

CURRICULUM VITAE

Rachel H. Ellaway, BSc (Hons), PhD

I. BIOGRAPHICAL DATA

Name: Rachel Helen Ellaway
Address: 3E19, Department of Community Health Sciences, CWPH Building, University of Calgary, 3280 Hospital Drive NW, Calgary, Alberta, T2N 4Z6, Canada
Email: Work: rachel.ellaway@ucalgary.ca, General: rellaway@gmail.com
Present rank: Full Professor (Tenured)
Division: Community Health Sciences
Institution: Cumming School of Medicine, University of Calgary

II. ACADEMIC RECORD

Postgraduate

Degree: Ph.D. in Medical Education
Dissertation: Evaluating a Virtual Learning Environment in Medical Education - <https://www.era.lib.ed.ac.uk/handle/1842/885>
Institution: College of Medicine and Veterinary Medicine, The University of Edinburgh, UK, 2006.

Undergraduate

B.Sc. (Honours) Visual Studies and Physical Sciences, Brookes University, Oxford, UK, 1986.

III. AWARDS AND DISTINCTIONS

2022 Visiting scholar, Institute of Health Sciences Education (IHSE), Faculty of Medicine and Health Sciences, McGill University, Montréal QC
2021 Meridith Marks Mentorship Award at Memorial University (Newfoundland, Canada)
2021 Association of Faculties of Medicine of Canada (AFMC) President's Award for Exemplary National Leadership in Academic Medicine
2020 The Royal College Lecturer for the Year 2020, Royal College of Physicians and Surgeons of Canada (RCPSC)
2019 Royal College of Physicians and Surgeons of Canada (RCPSC) Duncan Graham Award for

Outstanding Contribution to Medical Education

- 2019 Canadian Association for Medical Education (CAME) Ian Hart Award for Distinguished Contribution to Medical Education
- 2014 Association of Faculties of Medicine of Canada (AFMC) - Infoway, e-Health Award
- 2013 Canadian Association for Medical Education (CAME) Certificate of Merit Award
- 2012 Visiting Fellowship, Flinders University Northern Territories Medical Program, Darwin NT
- 2011 Association of Faculties of Medicine of Canada (AFMC) John Ruedy Award for Innovation in Medical Education
- 2008 Ontario Research and Innovation Optical Network (ORION) Learning Award
- 2007 Visiting Professor in Medical Education at St George's, University of London, UK (2007-2009).
- 2005 Queen's Anniversary Prize for Higher and Further Education in 2005 for the "Virtual Hospital Online" (work I designed and led) awarded to the University of Edinburgh at Buckingham Palace by HRH Queen Elizabeth II in 2006.
- 2003 Subject Specialist Advisor to the UK Higher Education Academy Subject Centre for Medicine, Dentistry and Veterinary Medicine (2003 – 2012)

Various visiting scholar episodes at: McGill University, University of British Columbia, University of Alberta, University of Saskatchewan, University of Manitoba, Western University, McMaster University, University of Toronto, University of Ottawa, New York University, Flinders University, University of Western Sydney, University of Newcastle, and St George's University of London.

IV. ACADEMIC APPOINTMENTS

Full time

- 2015 - present Full Professor (Tenured), Community Health Sciences, Cumming School of Medicine, University of Calgary, AB
- 2015 Full Professor (Tenured), Division of Human Sciences, Northern Ontario School of Medicine, Sudbury, ON
- 2011 - 2015 Associate Professor (Tenured), Division of Human Sciences, Northern Ontario School of Medicine, Sudbury, ON
- 2007 - 2011 Associate Professor (Tenure Track), Division of Human Sciences, Northern Ontario School of Medicine, Sudbury, ON
- 2003 - 2007 Accorded the responsibilities of Senior Lecturer, College of Medicine and Veterinary Medicine, The University of Edinburgh, UK.

Appointments

- 2017 – Director, Office of Health & Medical Education Scholarship, Cumming School of Medicine, University of Calgary.
- 2016 – 2017 Research Director, Office of Health & Medical Education Scholarship, Cumming School of Medicine, University of Calgary.

- 2015 – 2016 Co-Director, Office of Health & Medical Education Scholarship, Cumming School of Medicine, University of Calgary.
- 2014 – 2015 Assistant Dean Curriculum and Planning, Northern Ontario School of Medicine, Sudbury, Ontario, Canada.
- 2011 – 2013 Assistant Dean Curriculum and Planning and Director of Simulation, Northern Ontario School of Medicine, Sudbury, Ontario, Canada.
- 2007 – 2011 Assistant Dean Education Informatics, Northern Ontario School of Medicine, Sudbury, Ontario, Canada.
- 2003 – 2007 e-Learning Manager, Learning Technology Section, College of Medicine and Veterinary Medicine, The University of Edinburgh.
- 2000 – 2003 Special Projects Manager: Learning Technology Section, Medicine and Veterinary Medicine, The University of Edinburgh.
- 1999 – 2000 Project Leader and Studio Manager: Courseware Development and Medical Illustration, Learning Technology Section, Faculty Group of Medicine and Veterinary Medicine, The University of Edinburgh.
- 1996 – 1999 Studio Manager: Medical Illustration, The University of Edinburgh.

Other appointments

- 2022 – present Affiliate Member, Institute of Health Sciences Education (IHSE), Faculty of Medicine and Health Sciences, McGill University, Montréal QC.
- 2015 – present Member, O'Brien Institute for Public Health, Cumming School of Medicine, University of Calgary, AB
- 2015 – 2018 Adjunct Full Professor (Stipendiary), Northern Ontario School of Medicine, Sudbury, ON
- 2015 – 2018 Adjunct Professor, School of Rural and Northern Health, Laurentian University, Sudbury, ON
- 2014 – present Member, Centre for Health Education Scholarship (CHES), University of British Columbia
- 2012 – 2015 Adjunct Associate Professor, Faculty of Education, Lakehead University, Thunder Bay, ON
- 2011 – present Affiliated Scholar, Wilson Centre, University of Toronto
- 2011 – 2015 Affiliated Scholar, Centre for Rural & Northern Health Research, Laurentian University, ON
- 2012 – 2015 Adjunct Associate Professor, School of Rural and Northern Health, Laurentian University, Sudbury, ON

Continuing Professional Learning

Harvard Macy Institute: Leading Innovations in Health Care and Education program, 2010.

V. EDUCATIONAL ACTIVITIES

Undergraduate

Teaching

- 2015 onwards Shift in focus from undergraduate to graduate teaching and supervision.
- 2014 - 2015 Critical Reflection Incident reflection session facilitator for Year 1 and 2 students. Phase 1 Academic Week session organizer/presenter on Arts and Humanities with individual sessions on “Observation and Art”. Approx. 20 hours contact time.
- 2013 - 2014 On sabbatical.
- 2012 - 2013 Module Coordination Sessions on ‘Hidden Curriculum, ‘Learning Objectives and Outcomes’, ‘Approaches to Learning’ and ‘Medical Education Research’. Approx. 10 hours contact time.
- 2011 - 2012 Module Coordination Sessions on ‘Digital Professionalism’, ‘Learning Objectives and Outcomes’, ‘Approaches to Learning’ and ‘Medical Education Research’. Phase 1 Academic Week session on “Narrative”, Phase 1 Academic Week lead on Simulation sessions. Phase 2 Regional Day session on “Systems, Errors and Human Factors”. Approx. 10 hours contact time.
- 2010 - 2011 Case-Based Learning facilitator for modules CBM103 and CBM104 for the NOSM MD program. Phase 2 Regional Day lecture on “Systems and Errors in Digital Medicine”. Phase 1 Academic Week academic lead for simulation sessions. MCS on ‘Digital Professionalism’. Approx. 20 hours contact time.
- 2009 - 2010 Case-Based Learning facilitator for modules CBM103, CBM104, and CBM110 for the NOSM MD program. Year 3 MD program retreat academic lead for all simulation-themed activities. Phase 1 Academic Week session on “Narrative and Virtual Patients” and educational lead for simulation sessions. Approx. 25 hours contact time.
- 2008 - 2009 Training for NOSM MD learners on using Connect, OneNote, IT skills. Approx. 5 hours contact time.
- 2003 - 2007 Teaching multiple classes for the Computer Skills and Medical Informatics Vertical Theme for the Edinburgh MBChB program and facilitating other teachers’ contributions at all levels of the 5-year program, writing exam questions and tracking the assessment of the theme across the learners’ progress through the curriculum. Approx. 40 hours contact time per year.
- 2001 - 2003 Session lead for teaching informatics and computing skills to undergraduate Edinburgh MBChB students. Approx. 20 hours contact time per year.
- 1999 - 2001 Teaching computing skills to undergraduate Edinburgh MBChB students. Approx. 10 hours contact time per year.
- 1988 - 1990 Teaching Desktop Publishing and Communication Skills to Business Trainees and overseas communications students, Brighton College of Technology, Brighton, UK. Approx. 10 hours contact time per year.

Course/Theme Coordination

- 2014 - 2015 Theme 2 Course Committee Lead for modules CBM103 and CBM110.
- 2013 - 2014 On sabbatical.
- 2012 - 2013 Theme 2 Course Committee Lead for modules CBM102 and CBM103.
Theme 3 Course Committee Lead for module CBM110 and Phase 2, and Theme 3 Lead for Phase 2 Personal Research and Reflection projects.
Inaugural chair of NOSM Undergraduate Research Ethics Board taking Phase 2 student community-based research projects through the research ethics review processes.

- 2011 - 2012 Theme 2 Course Committee Lead for modules CBM103 and CBM109.
Theme 3 Course Committee Lead for module CBM110 and Phase 2, and Theme 3 Lead for Phase 2 Personal Research and Reflection projects.
- 2010 – 2011 Phase 1 Coordinator responsible for organization and operations for the first two years of the NOSM MD program.
- 2003 - 2007 Theme Head for Computer Skills and Medical Informatics Vertical Theme for the Edinburgh MBChB program with responsibility for curriculum design and development, assessment and teaching in medical informatics across the undergraduate program.

Curriculum development

- 2014 – 2015 Designed and led the UME Curriculum Conference for NOSM in Thunder Bay May 2015.
- 2013 - 2014 On sabbatical.
- 2012 – 2013 Design and implementation of an annual outcomes-based syllabus review process across the curriculum.
Development of Curriculum Threads on: Critical Appraisal and Evidence Based Medicine, Medical Humanities, Health Informatics, Community Activity.
Designed and led the UME Curriculum Conference in Thunder Bay March 2013.
- 2011 - 2012 Redeveloped the model for MD Program Objectives and Outcomes.
Redeveloped the MD Program Threads Policy. Development of Curriculum Threads on: Medical Humanities, Health Informatics.
Led the development of the MD program Curriculum map and database
- 2003 - 2007 On-going development of the Computer Skills and Medical Informatics Vertical Theme for the Edinburgh MBChB program.

Graduate

Teaching

- 2023-24 Course lead and tutor for MDCH 629 ‘Foundations of Practice and Science in Medical Education’ as part of the Masters in Community Health Sciences (Medical Education Specialization) program at the Cumming School of Medicine. 36 hours contact time for this single semester course.
Course lead and tutor for MDCH 730 ‘Doctoral Medical Education Research Seminar’ as part of the Masters in Community Health Sciences (Medical Education Specialization) program at the Cumming School of Medicine. 72 hours contact time for this double semester course.
- 2022-23 Course lead and tutor for MDCH 629 ‘Foundations of Practice and Science in Medical Education’ as part of the Masters in Community Health Sciences (Medical Education Specialization) program at the Cumming School of Medicine. 36 hours contact time for this single semester course.
- 2021-2022 On sabbatical.
- 2020 Guest lecturer, HSED 702: Advanced Topics in Health Sciences Education as part of the McGill

PhD programme in Health Sciences Education. 3 hours contact time.

2020-21

Course lead and tutor for MDCH 629 'Foundations of Practice and Science in Medical Education' as part of the Masters in Community Health Sciences (Medical Education Specialization) program at the Cumming School of Medicine. 36 hours contact time for this single semester course.

Course lead and tutor for MDCH 730 'Doctoral Medical Education Research Seminar' as part of the Masters in Community Health Sciences (Medical Education Specialization) program at the Cumming School of Medicine. 72 hours contact time for this double semester course.

Instructor for MDCH 631 'Implementation of Medical Education Research' as part of the Masters in Community Health Sciences (Medical Education Specialization) program at the Cumming School of Medicine. 18 hours contact time for six sessions on qualitative methods.

Course lead and tutor for MDCH 700 Directed Studies Course 'Trauma-informed education' as part of the Masters in Community Health Sciences (Medical Education Specialization) program at the Cumming School of Medicine. 18 hours contact time for this single semester course.

Course lead and tutor for MDCH 700 Directed Studies Course 'Admissions and selection' as part of the Masters in Community Health Sciences (Medical Education Specialization) program at the Cumming School of Medicine. 18 hours contact time for this single semester course.

2019-20

Course lead and tutor for MDCH 629 'Foundations of Practice and Science in Medical Education' as part of the Masters in Community Health Sciences (Medical Education Specialization) program at the Cumming School of Medicine. 36 hours contact time for this single semester course.

Course lead and tutor for MDCH 730 'Doctoral Medical Education Research Seminar' as part of the Masters in Community Health Sciences (Medical Education Specialization) program at the Cumming School of Medicine. 78 hours contact time for this double semester course.

Course lead and tutor for MDCH 700 Directed Studies Course 'Realist Inquiry' as part of the Masters in Community Health Sciences (Medical Education Specialization) program at the Cumming School of Medicine. 36 hours contact time for this single semester course.

Instructor for MDCH 631 'Implementation of Medical Education Research' as part of the Masters in Community Health Sciences (Medical Education Specialization) program at the Cumming School of Medicine. 18 hours contact time for six sessions on qualitative methods.

2018-19

Course lead and tutor for MDCH 629 'Foundations of Practice and Science in Medical Education' as part of the Masters in Community Health Sciences (Medical Education Specialization) program at the Cumming School of Medicine. 39 hours contact time for this single semester course.

Instructor for MDCH 631 'Implementation of Medical Education Research' as part of the Masters in Community Health Sciences (Medical Education Specialization) program at the Cumming School of Medicine. 12 hours contact time for four sessions on qualitative methods.

2017-18

Course lead and tutor for MDCH 730 'Doctoral Medical Education Research Seminar' as part of the Masters in Community Health Sciences (Medical Education Specialization) program at the Cumming School of Medicine. 78 hours contact time for this double semester course.

Co-course lead and tutor for MDCH 629 'Foundations of Practice and Science in Medical Education' as part of the Masters in Community Health Sciences (Medical Education Specialization) program at the Cumming School of Medicine. 39 hours contact time for this single semester course.

Instructor for MDCH 630 ‘Designing Medical Education Research’ as part of the Masters in Community Health Sciences (Medical Education Specialization) program at the Cumming School of Medicine. 3 hours contact time for a single session. On the philosophy of medical education research.

Instructor for MDCH 631 ‘Implementation of Medical Education Research’ as part of the Masters in Community Health Sciences (Medical Education Specialization) program at the Cumming School of Medicine. 15 hours contact time for five sessions on qualitative methods.

Instructor for MDCH 700, Topic 45 ‘Advanced Theory and Methods: Realist Inquiry and Structural Equation Modeling’ as part of the Masters in Community Health Sciences (Medical Education Specialization) program at the Cumming School of Medicine. 20 hours contact time.

- 2016-17 Course lead and tutor for MDCH 623 ‘Instructional methods in medical education’ as part of the Masters in Community Health Sciences (Medical Education Specialization) program at the Cumming School of Medicine. 39 hours contact time for this single semester course.
- 2015-16 Course lead and tutor for MDCH 623 ‘Instructional methods in medical education’ as part of the Masters in Community Health Sciences (Medical Education Specialization) program at the Cumming School of Medicine. 39 hours contact time for this single semester course.
- Co-evaluator for MDCH700 Directed Study Course on Realist Review for Laura Hinz.
- Single session tutor for MDCH625 on Hidden Curriculum. 3 hours contact time.
- 2014 Medical Error and Quality Improvement sessions for all NOSM PGY1 residents. Approx. 9 hours contact time per year.
- 2013 Personal Learning Plan (PLP) session for residents on the Critical Care Crash Course (C4) for residents at Health Sciences North, Sudbury. Approx. 5 hours contact time per year.
- 2011 - 14 Developed and taught a series of extended sessions on ‘The Philosophy of Science’ as part of IRNH 6105 ‘Research, Practice and Policy’ course in the Laurentian University’s Interdisciplinary PhD in Rural and Northern Health program. Approx. 20 hours contact time per year.
- 2010 – 11 Co-organizer and academic lead for weeklong intensive and international Anaesthesiology Bootcamp course for Family Practice Anaesthetists. Acted as Personal Learning Plan advisor/consultant for the course in 2012. Approx. 5 hours contact time per year.
- 2010 – 14 Organized and ran sessions on Digital Professionalism for all NOSM residents as part of their residency orientation week. Approx. 5 hours contact time per year.
- 2005 – 07 Tutor and activity coordinator, MSc in eLearning, University of Edinburgh. Approx. 10 hours contact time per year.

Supervision

NOTE: I was not eligible to take graduate students in Edinburgh, and the Northern Ontario School of Medicine had no graduate programs. My opportunities for graduate supervision were therefore very limited before my move to Calgary in 2015.

Primary Supervisor for students with completed degrees (5)

Coralea Kappel, elective BSc research project supervision, Laurentian University, (2014 – 2015).

Daniela Keren, “Social learning and studying among medical students: a qualitative study”, MSc Community Health Sciences (with specialization in Medical Education). University of Calgary (2016 – 2018).

Dianne Timmins, “The Presence and Priority of Nutrition in Family Medicine and Internal Medicine Residency Programs”, MSc Community Health Sciences, Medical Education specialization. University of Calgary (2019 – 2021).

Fareen Zaver, “Exploring the longitudinal experiences of physicians transitioning to unsupervised practice: A realist study”, MSc Community Health Sciences, Medical Education specialization. University of Calgary (2018 – 2021). Awarded a RCPSC Maudsley Fellowship in 2019.

Fernando Mejia, “Mapping the Transition to Competence By Design in Public Health and Preventive Medicine in Canada”. MSc Community Health Sciences, Medical Education specialization. University of Calgary (2017 – 2022).

Primary Supervisor for students with degrees in progress (3)

Catherine Patocka, title TBC, PhD Community Health Sciences, Medical Education specialization. University of Calgary (2019 – present) . Awarded a RCPSC Maudsley Fellowship in 2020.

Amanda Roze Des Ordons, title TBC, PhD Community Health Sciences, Medical Education specialization. University of Calgary (2020 – present).

Carla Ferreira, title TBC, PhD Community Health Sciences, Medical Education specialization. University of Calgary (2020 – present).

Member Supervisory Committee for students with completed degrees (9)

Janet Tworek, “Learning with Virtual Patients”, PhD in the Graduate Division of Educational Research, University of Calgary (2009 – 2012 completed).

David Pellegrini, MSc Computer Science, Laurentian University (MSc project only - 2014 – 2015 completed).

Nicole Delaloye, “The Consequences of Hierarchy in Acute Care Medicine: A Mixed Methods Study”, MSc Community Health Sciences specialization in Medical Education, University of Calgary (2015 – 2017 completed).

Julia Haber, “Understanding how practicing anesthesiologists conceptualize the learning and teaching of situation awareness”, MSc Community Health Sciences specialization in Medical Education, University of Calgary (2015 – 2017 completed).

Adriana De Visser, “Global Health Electives: Ethical Engagement in Building Global Health Capacity”, MSc Community Health Sciences specialization in Public Health. University of Calgary (2016 - 2018).

Laurel O’Gorman, “Exploring the role of unpaid domestic labour in maintaining the health of families in Northern Ontario”, Interdisciplinary PhD in Rural and Northern Health, Laurentian University (2014 – 2018).

Christina Tremblay, “Assessment in a Competency Based Education Model”, MEd, Lakehead University (2014 – 2015).

Lisa Morgan “The Perceptions of Women in Northern Ontario Regarding Their Reproductive Health Care”, Interdisciplinary PhD in Rural and Northern Health, Laurentian University (2011 – 2015).

Initially primary supervisor, moved to supervisory committee member on leaving NOSM in 2015.

Sophie Kam, “Conceptualizations of Family Physician Scope of Practice in Ontario”, Interdisciplinary PhD in Rural and Northern Health, Laurentian University (2012 – 2020).

Member Supervisory Committee for students with degrees in progress (2)

Karen Smider, “Geriatric Medicine and Medical Education”, Interdisciplinary PhD in Rural and Northern Health, Laurentian University (2013 – 2015). Initially primary supervisor, moved to supervisory committee member on leaving NOSM in 2015.

Adibba Adel, title TBC, MSc Community Health Sciences (with specialization in Medical Education). University of Calgary (2022-present).

Georgia Black, title TBC, MSc Community Health Sciences (with specialization in Medical Education). University of Calgary (2023-present).

Member Supervisory Committee for students withdrawn or deferred (4)

Ana Popovic, MSc Community Health Sciences (with specialization in Medical Education). University of Calgary (2015 – 2016). Withdrew in Fall 2016 to train as an Occupational Therapist.

Kirandeep Saini, MSc Community Health Sciences (with specialization in Medical Education). University of Calgary (deferred in 2016).

Gayle Adams-Carpino “The Changing Landscape of Interprofessional Education in Northern Ontario: A grounded theory study on Students’ Experiences Exploring Personal and Professional Identity and Collaborative Learning”, Interdisciplinary PhD in Rural and Northern Health, Laurentian University (2013 – 2015). Moved to supervisory committee member on leaving NOSM in 2015. Withdrawn 2017.

Katie Samoil, PhD Community Health Sciences, Medical Education specialization. University of Calgary (2020 – 2022 – co-supervising with Kent Hecker). Withdrew at the end of 2022.

Resident research supervision (5)

Lindsay McColl, “Developing a competency- based framework at the Northern Ontario School of Medicine – a resident’s perspective”, (2014 – 2015).

Fernando Mejia, “CBME in Public Health and Preventive Medicine (PHPM) in Canada”, resident research project. University of Calgary (2017 – 2018).

Kyo Farrington, Resident Education Scholars Program mentee, (2023 – present).

DanYang Tian, Resident Education Scholars Program mentee, (2023 – present).

Chloe Lee, Resident Education Scholars Program mentee, (2023 – present).

Undergraduate student research supervision (6)

Erene Stergiopoulos, AMS Phoenix Lexicon - summer research project supervision through the Wilson Centre, University of Toronto (2015).

Nima Nahiddi, AMS Phoenix Lexicon - summer research project supervision through the Wilson Centre, University of Toronto (2015).

Danielle Smith, Sharanya Ramesh, Matthew Smith, Ashley Jensen, supervision of an elective

research project on the Calgary Student Run Clinic (2016-2018).

Supervisor/Mentor - Graduate Research Assistants (2)

Karen Smider (PhD student, Northern and Rural Health), Laurentian University (2014).

Teresa Marsh (PhD student, Northern and Rural Health), Laurentian University (2011).

External PhD candidacy examiner (1)

External PhD examiner for **Sara Dolan** (2022) School of Nursing, The University of Calgary, Canada.

External PhD examiner (5)

External PhD examiner for **Gwen Cleveland** (2023) The University of Toronto, Canada.

External PhD examiner for **Lulu Alwazzan** (2018) The University of Ottawa, Canada.

External PhD examiner for **Ioannis Pantziaris** (2015), Karolinska Institutet, Stockholm Sweden

External PhD examiner for **Mihaela Botezatu** (2010), Karolinska Institutet, Stockholm Sweden

External PhD examiner for **Nabil Zary** (2007), Karolinska Institutet, Stockholm Sweden

External Masters examiner (2)

External MSc examiner for **Joseph Leung** (2011), The Chinese University of Hong Kong

External MPhil examiner for **Laura Naismith** (2007), The University of Birmingham, UK

Curriculum Development

- 2020-21 Developed the single semester MDCH 700 Directed Studies Course ‘Trauma Informed medical education’ as part of the Masters in Community Health Sciences (Medical Education Specialization) program at the Cumming School of Medicine.
- Developed the single semester MDCH 700 Directed Studies Course ‘Crew Medical Officer Selection’ with Dr. Kent Hecker as part of the Masters in Community Health Sciences (Medical Education Specialization) program at the Cumming School of Medicine.
- 2019-20 Developed the single semester MDCH 700 Directed Studies Course ‘Realist Inquiry’ as part of the Masters in Community Health Sciences (Medical Education Specialization) program at the Cumming School of Medicine.
- 2017-18 Developed the double semester course MDCH 730 ‘Doctoral Medical Education Research Seminar’ as part of the Masters in Community Health Sciences (Medical Education Specialization) program at the Cumming School of Medicine.
- Developed the single semester course MDCH 629 ‘Foundations of Practice and Science in Medical Education’ as part of the Masters in Community Health Sciences (Medical Education Specialization) program at the Cumming School of Medicine.
- Developed the qualitative half of the single semester course MDCH 631 ‘Implementation of Medical Education Research’ as part of the Masters in Community Health Sciences (Medical

- Education Specialization) program at the Cumming School of Medicine.
- 2015 – 2017 Led the redevelopment and revitalization of the Master’s and PhD programs in Community Health Sciences (Medical Education Specialization).
- 2015 – 2016 Redeveloped and rewrote MDCH 623 ‘Instructional methods in medical education’ course - part of the Masters in Community Health Sciences (Medical Education Specialization) program at the Cumming School of Medicine.
- 2014 – 2015 Co-lead for creating and developing a graduate studies program for NOSM including governance, supervisory accreditation, and academic standards and policies.
- Developed an outline Master’s program in Medical Studies (MMed) as the first offering in the NOSM graduate program.
- Designed and led a common PGY1 curriculum for all NOSM residency programs around health systems, medical error, and quality improvement as a way of teaching and developing CanMEDS roles. Piloted in the 2014-2015 academic year with a full rollout in the 2015-2016 academic year.
- 2012 – 2013 Worked on the implementation of the CFPC Triple-C competency-based curriculum for the NOSM Family Medicine residency program through designing and running faculty development workshops, developing a model of EPAs as Primary EPAs (PEPAs) and developing a consensus model for their validation and uptake.
- Worked on the development of the new Anesthesia residency program including curriculum mapping, the use of e-learning modalities and tracking competencies and milestones.
- Review of the portfolio and longitudinal learning model for the Family Medicine residency program.

Graduate Student Mentorship

In addition to my formal participation in supervising and training graduate students, I also act in a mentorship role as a senior academic in my field to many graduate students in our own program and in otherer programs around the world.

Continuing professional development

Teaching

- 2024 Session instructor for Teaching Excellence in Medical Education Program (TEMEP) session on “Learning Theories” University of Calgary, April 2024. 2 hours contact time for a single session.
- 2023 Session instructor for Teaching Excellence in Medical Education Program (TEMEP) session on “Learning Theories” University of Calgary, October 2023. 2 hours contact time for a single session.
- 2022 Joint session instructor for Teaching Excellence in Medical Education Program (TEMEP) session on “Learning Theories and Health Professions Education Research” University of Calgary, December 2022. 3 hours contact time for a single session.
- 2021-2022 On sabbatical.
- 2021 Workshop on: “What kind of education scholar are you?”. OHMES Symposium, Calgary AB (online), February 2021. 1.5 hours contact time for a single session.

- 2020 Resident Research Speed Dating event for Internal Medicine Residents. The University of Calgary, September 2020. 2 hours contact time for a single session.
- Session instructor for Teaching Excellence in Medical Education Program (TEMPEP) session on “Research in Medical Education” University of Calgary, April 2020. 3 hours contact time for a single session.
- Workshop on: “What kind of education scholar are you?”. OHMES Symposium, Calgary, March 2020. 1.5 hours contact time for a single session.
- Session lead “Routes to rural research: making your mark as a scholar-practitioner”. Cabin Fever Conference, Kananaskis AB, February 2020. 3 hours contact time for a single session.
- Session instructor for Teaching Excellence in Medical Education Program (TEMPEP) session on “Learning Theories” University of Calgary, January 2020. 3 hours contact time for a single session.
- 2012 – 2019 Co-designer and presenter with David A. Cook (Mayo Clinic) and John Sandars (University of Sheffield, UK) of the Essential Skills in Computer Enhanced Learning (ESCEL) Course as part of the AMEE Essential Skills in Medical Education (ESME) faculty development program at AMEE 2012 in Lyon, France, AMEE 2013 in Prague, Czech Republic, and AMEE 2014 in Milan, Italy. Revised version with Ellaway and Cook for AMEE 2015 in Glasgow, UK; AMEE 2016 in Barcelona, Spain; AMEE 2018 in Basel, Switzerland; AMEE 2019 in Vienna, Austria. 8 hours contact time per year.
- 2019 Session lead “Remediation in a Competency Based Medical Education Environment: Can We Develop a National Framework?” Banff Symposium on Practice-Based Remediation, Banff, September 2019.
- Session instructor for Teaching Excellence in Medical Education Program (TEMPEP) session on “Learning Theories” University of Calgary, January 2019. 3 hours contact time for a single session.
- 2018 Session on “Medical education scholarship and social accountability” as part of the International institute for Medical Education Leadership, University of Calgary, June 2018. 3 hours contact time for a single session.
- Session instructor for Teaching Excellence in Medical Education Program (TEMPEP) session on “Learning Theories” University of Calgary, January 2018. 3 hours contact time for a single session.
- 2016 Co-designer for University of Calgary Division of Respiratory Medicine 2016 Clinical, Educational & Research Conference and Retreat, including keynote presentation “Engaging in Educational Scholarship”. Ghost River Conference Centre, Alberta, March 2016.
- Lead for a three half-day session-based course “Scholarship in Health Education Research and Innovation (SHERI)”, offered through OHMES, University of Calgary with Lockyer J, Oddone Paolucci E, Palacios Mackay M, and Sharma N, ran in January 2016 and again in October 2016.
- 2015 Lead for a two-day intensive “A Celebration of Education Scholarship with Rachel Ellaway”. Department of Family and Community Medicine, University of Toronto. Seven sessions including: Grand rounds: “Generalism: an organizing principle for medical education scholarship”; Seminar: “Why everything you thought you knew about e-learning is wrong”; “Philosophy of science” session for grad students; Plenary: “Context tornados: distributed medical education and the coming storm”; Plenary: “You are cyborg: implications of extended mind”, September 2015.

- 2015 “Hockey Lines: from Innovation to Scholarship” workshop with Dr C Kupsh, ConFESS Colloquium, Health Sciences North, Sudbury, Ontario, May 2015.
- 4 workshops, Constellation Faculty Development Conference, Northern Ontario School of Medicine, Sudbury, March 2015: “Help! I have a learner that needs remediation: What do I do now?” with Dr. C Kupsh, “A survival guide to the NOSM undergraduate program” with Dr. E Hirvi and J Bachiu, “Large group learning and teaching” with Dr. B Macleod and J Friesen, “Preparing effective learning materials” with Dr. T Dubé.
- 2014 “Medical education futures” FD workshop. Western University Schulich School of Medicine, Chatham, ON, June 2014.
- “Multiple Lenses and Metaphors”. Workshop as part of the Wilson Centre Atelier in Qualitative Health Professions Education Research. The University of Toronto, ON, October 2014.
- 2013 Ellaway R. 2013 Multiple lenses, triangulation and links to realist approaches. Workshop as part of the Wilson Centre Atelier in Qualitative Health Professions Education Research. The University of Toronto, ON, October 2013.
- “Scenario-Based Learning” half-day faculty development workshop at the Ward of the 21st Century, University of Calgary, AB, July 2013.
- Constellation Faculty Development Conference workshops, Northern Ontario School of Medicine, Sudbury, January 2013: “This is Simulation!” with Dr. C Kupsh, S Morhart and S Farrell, “Exploring NOSM’s Hidden Curriculum” with Drs. L Graves and A Robinson, “You can do Medical Education Research” with Dr. L Graves.
- 2012 Simulation-focused Visiting Fellowship at Flinders University Northern Territories Medical Program in May and June 2012: running various simulation-based learning master classes and workshops as well as multiple presentations on the creative use of simulation in health professional education for physicians, educators, nurses, Aboriginal health workers and other health professional groups.
- “Simulation Planning and Evaluation” professional development course for Health Sciences North simulation trainers and educators, Sudbury: regular iterations July 2012 - present.
- Constellation Faculty Development Conference workshops, Northern Ontario School of Medicine, Thunder Bay, January 2012: “Medical Education in Your Community: Setting the Path for NOSM’s Future” with Dr. C Cervin, Dr. L Graves, K Beatty, S Berry, “Critical Literacy and Critical Thinking” with Dr. S Ritz, “e-Health, Quality Improvement and the Digital Professional” with Dr. R Baloolal.
- Faculty presenter for American Thoracic Society Postgraduate Workshop “Mastering clinical teaching skills for pulmonary and critical care” at ATS Annual Conference in San Francisco May 2012: Presentation: “The Myths of Digital Medical Education”.
- Organizer and presenter of train the trainer workshops for using virtual patients for Aboriginal Health Workers in Darwin, Northern Territories, Australia.
- 2011 Two CEPD workshops on Virtual Patients (one each in Sudbury and Thunder Bay) in April 2011 as part of the IPE-SIM series.
- IAMSE online seminar: “Opportunities and Challenges of Social Media in Medical Education”, April 2011.
- University of Ottawa “Digital Professionalism” seminar, December 2011.
- 2010 MedEdWorld online seminar: “Digital Professionalism”, December 2010.

NOSM CEPD Interprofessional Education Collaborator Series “Nossum Island: Adventures in Medical Education in Second Life” in January 2010.

LAMS online seminar: “Learning Design and Medicine”, given as part of the ‘Learning Designs in Medical Education Colloquium’ run by MELCOE and the University of Western Sydney School of Medicine, Australia, December 2010.

Seminar on “Digital Professionalism” as part of the University of Toronto Department of Medicine Education Scholarship Day in May 2010.

- 2009 Elliott Lake case narrative session October 2009, Elliott Lake ICL retreat teaching exercise for faculty and staff on using virtual patients and games.
- Multiple ‘Authoring Virtual Patients’ faculty development workshops – NOSM, McMaster University, Nipissing University, Canadore College, Confederation College, Collège Boréal, Laurentian University, Lakehead University.
- 2008 Multiple ‘Authoring Virtual Patients’ FD workshops (as above).
- 2007 Co-organizer and presenter of train the trainer workshops for using virtual patients for indigenous health professional education in Blantyre, Malawi 2007.
- 2006 Co-organizer and presenter of train the trainer workshops for using virtual patients for indigenous health professional education in Entebbe, Uganda 2006.

Mentorship

I have a formal longitudinal mentorship role with a number of colleagues at the University of Calgary and elsewhere. I also provide career counselling and other consultancy services to Calgary faculty and those elsewhere. I am also involved in many other various more and less formal mentorship relationships with colleagues around the world.

VI. ADMINISTRATIVE RESPONSIBILITIES

Committees

University of Calgary

- University of Calgary Institutional Events Strategic Committee: 2023
- Cumming School of Medicine Equity, Diversity, and Inequality Advisory Group: 2023
- Cumming School of Medicine Social Accountability & Planetary Health Advisory Group: 2023
- Cumming School of Medicine Education Advisory Group: 2022 – 2023
- Cumming School of Medicine Strategic Planning Group: 2022 – 2023
- Cumming School of Medicine Strategic Education Council: 2015 – present
- Cumming School of Medicine Senior Leadership Committee: 2018 – present
- Cumming School of Medicine Social Accountability working group: 2020 – 2022
- Cumming School of Medicine Awards Committee: 2020 – 2022
- Department of Kinesiology Promotions and Tenure Committee: 2019

University External Teaching and Learning Awards Committee: 2019 – 2021
University Knowledge Engagement Implementation Committee: 2018 – 2019
Community Health Sciences Medical Education Specialization Graduate Program Committee:
2015 – 2021
Office of Health and Medical Education Scholarship Advisory Committee (Chair): 2015 – present
Cumming School of Medicine Graduate Scholarship Review Committee: 2015 – 2018
Community Health Sciences Graduate Admissions Committee: 2016 – 2018
Cumming School of Medicine Advisory Committee on Educational Strategy: 2017 - 2018
University General Faculty Council: 2016 – 2019
Cumming School of Medicine PGME CBME Committee: 2016 – 2020
Cumming School of Medicine Diversity in Action working group, 2017 - 2019

Northern Ontario School of Medicine

Academic Council: 2007 – 2015
Academic Council Constitutional Review Committee: 2010-2011
Academic Council Governance and Nominations Committee: 2011-2015
Advisory Committee for the Multi-Year Tracking Study of Students and Graduates of the Northern
Ontario School of Medicine: 2012 – 2015
CEPD Advisory Committee: 2009 – 2013
Curriculum Working Group: 2011 – 2015, Chair 2014 – 2015
eStrategy Steering Group (Chair): 2007-2008
Faculty Development Advisory Committee: 2009 – 2013
Graduate Studies Committee: 2014 – 2015
Human Sciences Division: 2011 – 2015
Informatics Leadership Group: 2009 – 2010
Information Technology Strategy Advisory Group: 2011 – 2013
Organizational Alignment Review Committee: 2009 – 2010
Orientation Week Planning Committee: 2010 – 2015
Organizational Effectiveness Working Group: 2012 – 2013
Phase 1 Assessment group: 2009 – 2010
Phase 1 Committee: 2010 – 2015
Phase 2 Committee: 2011 – 2015
Phase 3 Committee: 2014 – 2015
Planning Group for the NOSM Graduate Studies Program: 2013 – 2014
Portfolio Steering Group: 2010 – 2013
Program Evaluation Committee: 2009 - 2013

Research Committee: 2011 – 2013

Simulation Oversight and Operations Committees: 2009 – 2010

Strategic Leadership Group: 2007 – 2008

Student Assessment and Promotion Committee: 2010 – 2015

Theme 2 Committee: 2011 – 2015

Theme 3 Committee: 2011 – 2014

Undergraduate Medical Education Committee: 2007 – 2015, Vice-Chair 2010 – 2015

UMEC Constitutional Review Working Group: 2010 – 2013

Multiple NOSM search committees including those for the Chief Administrative Officer 2009., the Chief Information Officer 2012., the Assistant Dean Research 2013, and the Associate Dean Undergraduate Medical Education 2014.

University of Edinburgh

Computing Skills and Medical Informatics Vertical Theme Committee (Chair), Teaching and Learning Executive, Coordinating Assessment Board and the Computing and Learning Technology Committee, Edinburgh Portal Steering Group, Digital Object Management System Steering Group, Scottish Deans' Medical Curriculum Group (member and Technical Subgroup Chair).

External committees

Chair, Education Grant Committee, Royal College of Physicians and Surgeons of Canada (RCPSC), 2024 – present.

Member, Education Grant Committee, Royal College of Physicians and Surgeons of Canada (RCPSC), 2016 – 2021.

Thunder Bay Regional Health Sciences Centre Bioethics Committee: 2009 – 2013

North East LHIN eHealth Advisory Council (NEEAC): 2010 – 2015

Laurentian University School of Rural and Northern Health Program Committee: 2010 – 2013

Health Sciences North Simulation Executive Group: 2012 – 2013

eCOFM (Council of Ontario Faculties of Medicine): 2007 – 2011

VII. PROFESSIONAL ACTIVITIES

Membership in Professional and Learned Societies

1. Member of Canadian Association for Medical Education (CAME-ACEM; 2008 – 2020)
2. Member of the UK Council for Health Informatics Professions (UKCHIP: 2006-2008)

Editorships

1. Editor in Chief for *Advances in Health Sciences Education* (2020 – present).
2. Deputy Editor for *Advances in Health Sciences Education* (2014 – 2019).
3. Associate Editor for *Advances in Health Sciences Education* (2011 – 2014)
4. Associate Editor for *Canadian Medical Education Journal* (2015 – 2018)
5. Associate Editor for *BMC Medical Education* (2009 – 2013)
6. Editorial Board member for *Medical Teacher* (2007 – 2023)
7. International Advisory Group member for *Advances in Simulation* (2015 – 2021)
8. Editorial Advisory Board member for the 3rd edition of Swanwick T (Ed); *Understanding Medical Education*. (2016)

Journal reviews

1. *Medical Teacher* (2003 – present)
2. *BMJ Ethics* (2006 – 2011)
3. *Medical Education* (2008 – present)
4. *BMC Medical Education* (2008 – present)
5. *Advances in Health Sciences Education* (2009 – present)
6. *Education Research International* (2011 – present)
7. *Academic Medicine* (2012 – present)
8. *Medical Education Online* (2012 – present)
9. *International Journal of Medical Education* (2012 – present)
10. *Perspectives on Medical Education* (2013 – present)
11. *BMC Medicine* (2014 – present)
12. *Journal of Medical Internet Research* (2014 – present)
13. *Journal of General Internal Medicine* (2016 – present)
14. *BMJ Open* (2017 – present)

Many other one-off interviews for a wide range of different journals.

Grant reviews

1. Grant reviewer for Intramural Research Grants, Royal College of Physicians and Surgeons of Canada (RCPSC), 2021 – present.
2. Grant reviewer for Medical Council of Canada (MCC), 2019 – present.
3. Grant reviewer for SSHRC, 2018 – present.
4. Grant reviewer for CanMEDS Research Development Grant, Royal College of Physicians and Surgeons of Canada (RCPSC), 2016 – 2021.
5. Grant reviewer for Medical Education Research Grant, Royal College of Physicians and Surgeons of Canada (RCPSC), 2016 – 2021.
6. Grant reviewer for Robert Maudsley Fellowship for Studies in Medical Education, Royal College of

Physicians and Surgeons of Canada (RCPSC), 2016 – 2018.

7. Chair and reviewer, OHMES Health Science and Medical Education Research and Innovation Funding Competition Committee, 2015 - present.
8. Grant reviewer for the Faculty of Graduate Studies Scholarship Committee, 2017 – 2019.
9. Grant reviewer for Cumming School of Medicine Graduate Scholarships 2015 – 2017.
10. Grant reviewer for the NOSMFA Research Development Grant call, Northern Ontario School of Medicine (2010, 2012)
11. Grant reviewer for the Scottish Medical Education Consortium (SMERC – 2014-2015)
12. Grant and fellowship reviewer for AMS Phoenix Project (2011 – 2015)

Appointment reviews

1. Application reviewer for Canada Research Chairs Program (2018).
2. Academic promotion external reviewer for various applicants at the Universities of Toronto, Ottawa, Colorado, and at Harvard, Peking, and McGill Universities (2014 - present).

National committees

1. Member, Intramural Grant Committee, Royal College of Physicians and Surgeons of Canada (2021 – present).
2. Member, AFMC Virtual Clinical Medical Education Taskforce (2020 – 2023).
3. Chair, Canadian Medical Education Research Centre Directors Group (2017 – 2023).
4. Member, AFMC Future of Admissions in Canada Think Tank (AFMC FACTT) (2018 – 2021).
5. Member, Education Research Development Committee, Royal College of Physicians and Surgeons of Canada (2016 – 2021).
6. Chair, Canadian Association of Medical Education (CAME), Communications Committee (2015 – 2016).
7. Member at Large, Canadian Association of Medical Education (CAME) Foundation Board (2015 – 2018).
8. Member, Canadian Association of Medical Education (CAME) Executive Committee (2015 – 2016).
9. Member AFMC-Canada Health Infoway eHealth Peer Leaders Committee (2015 – 2016)
10. Member of the Allied Medical Services (AMS) Phoenix Project Advisory Committee (2011 – 2015); Co-Chair of the AMS Phoenix Lexicon Working Group (2013 – present), member of the Grants Committee (2014 – 2015).
11. Member, Canadian Medical Education Research Centre Directors Group (2012-2017)
12. Chair of the national AFMC Informatics Resource Group (2008 – 2011), Emeritus Chair (2011 – 2013).
13. Member of the national AFMC-Infoway Physicians in Training e-Health Curriculum and e-Learning Initiative Steering Committee (2011 – 2014). Reviewer for Faculty Interprofessional eHealth Award, Canada Health Infoway (2014 – 2015).
14. Member of the national RCSPC CanMEDS 2015 E-Health Expert Working Group (2013 – 2014).
15. Member of the Scottish Deans' Medical Curriculum Group (2003 – 2007) – as a Group we developed

and published the Scottish Doctor outcome framework (see www.scottishdoctor.org)

16. Founding Chair of the Scottish Medical Education Informatics Group (2005 – 2007)
17. Chair and founder of the Northern Ontario Simulation for Healthcare Network (NOSH) (2008 – 2012).
18. Lead for “Information and Educational Technology in Postgraduate Medical Education” in the Future of Medical Education in Canada (FMEC) Postgraduate Project Environmental Scan (2010-2011).
19. Chair of an external expert review of e-Learning (technologies, organizations and processes) for the Faculty of Medicine and Dentistry at the University of Alberta in 2012.

International committees

1. Member of the Blindspots in Health Professions Education Working Group, Johns Hopkins University, Baltimore MD: 2021-2022.
2. Member of the Philosophy of Medical Education Transformation working group, Robert D. and Patricia E. Kern Institute for the Transformation of Medical Education, Medical College of Wisconsin: 2020.
3. Member of the AAMC Curriculum Inventory Research Working Group: 2016 – 2018.
4. Co-chair of the international MedBiquitous Virtual Patient Working Group (2005 – 2012), member of the MedBiquitous Executive (2007 – 2016), and Technical Director of MedBiquitous Europe (2008 – 2012).
5. Co-chair of the Technical Interoperability and Standards Subcommittee for the Society for Simulation in Healthcare (SSH, 2011 – 2013).
6. Member of the AMEE/MedEdWorld eLearning Committee (2009 – 2014).
7. Member of the Training for Health Equity Network (THENet) Evidence Group (2013 – 2015).
8. Member of the international invited expert panel on e-Assessment as part of the Ottawa Conference in Miami 2010.

Government agencies

1. Member of the Board of Directors of eHealth Ontario (2010 – 2012).
2. Member of the Corporate Governance Committee, eHealth Ontario (2010 – 2012).

Professional meetings

- Member, ICAM Conference Education Scientific Committee (2021 – present).
- Conference Chair for the OHMES Health and Medical Education Scholarship Symposia, 2016 - present, University of Calgary.
- Member of organizing committees for various conferences and meetings including:
 - AMEE 2004 (Edinburgh UK)
 - IAMSE 2009 (Leiden NL)
 - GCEMEM 2010 (Barossa, South Australia)
- Member of the Scientific Committees for:
 - Northern Health Research Conference, Sudbury, ON, 2010

- Conjoint WONCA Rural/TUFH/CLIC/TheNET conference in Thunder Bay, ON, 2012
- Muster conference, at Uluru, Australia, 2014
- Various committees for the Canadian Conference on Medical Education (CCME), including CCME 2013 Committee on Experience Dissemination, CCME 2015 Unconference Advisory Committee.
- Abstract reviewer for various conferences including:
 - CCME (2008-2017)
 - MedBiquitous (2007-2015)
 - Muster/Rendezvous (2010, 2012, 2014).
- Conference Chair for 2011 Northern Lights MiniSUN simulation conference, Sudbury, ON.
- Conference Co-Chair for the 2015 Community of Northern Faculty Engaged in Simulation Scholarship (CoNFESS) simulation colloquium in Sudbury, ON.
- Conference Co-Chair of the Creating Space IV medical humanities conference at CCME 2014, Ottawa, April 2014.
- Co-organizer and presenter of the educational program for 'Conference on the Move' as part of Rendez-Vous 2012 conference.

Other activities

- Principal architect and project lead for the free and open-source virtual patient authoring and delivery system 'OpenLabyrinth'. This tool is being used by multiple institutions around the world (more than 50 at the last count) and continues to be developed as part of an extended community of schools and colleges, scholars and technologists in North America, Europe, the former USSR, Asia, and Australasia. Adaptations of the platform for Chinese, Spanish and other languages have further extended its impact. The tool is one of the longest running VP systems in existence and is the only one that has held to an open-source approach from the outset. Since 2012 a team at the University of Calgary has developed OpenLabyrinth for which I have taken on an emerita/advisory role. The latest version is available on Github at <https://github.com/olab/Open-Labyrinth>
- Instigator, designer, reviewer and Maîtresse des Cérémonies for the AMEE Conference Fringe. I served in this capacity for 16 years: Edinburgh 2004, Amsterdam 2005, Genoa 2006, Trondheim 2007, Prague 2008, Malaga 2009, Glasgow 2010, Vienna 2011, Lyons 2012, Prague 2013, Milan 2014, Glasgow 2015, Barcelona 2016, Helsinki 2017, Basel 2018, and my last one in Vienna in 2019. The AMEE Fringe is the one regular opportunity in the worldwide medical education conference calendar for presenting experimental, performance-based and other unusual approaches to medical education. This annual event within the AMEE meeting has provided many with an opportunity to present, participate in or be exposed to unusual, creative, and challenging ideas and themes from across the medical humanities spectrum and beyond.
- Co-instigator of the Canadian Healthcare Education Commons (CHEC-CESC) and founding member of the AFMC CHEC-CESC Steering Group. CHEC-CESC is now the de facto online resource and venue for Canadian medical education projects and initiatives.
- Creator and editor of the CAME Voice/ACEM Voix, a weekly bilingual community blog for the Canadian Association for Medical Education (CAME-ACEM; 2014 – 2018). Author of several Voice articles: Why it's good to be a medical educator in Canada (with Jocelyn Lockyer, 2014), Dark ages and stewardship (2014), To hometown or not to hometown? (2014), The North Dakota Coastline Effect

(2014), What is the voice of Canadian Medical Education and where is it heard? 2015. I had edited and published 107 articles by the time I stepped down from this role in 2018.

VIII. RESEARCH SUPPORT

- Evidence-informed, Competency-based, Accredited, Compassion Training (EnACT). Co-I with Shane Sinclair as PI (Calgary). \$357,398 CIHR project. 2021-present.
- Creating synergies between education, practice and policy environments to catalyse capacity building of the scholar role in rehabilitation. (2021-2023) \$139,501 from SSHRC [national competition]. Co-I with Dr. Aliko Thomas as PI.
- Seeking Constructive Alignment in Systems of Assessment (SCASA) (2018-2021): \$131,563 USD from the US National Board of Medical Examiners (NBME) EJ Stemmler Medical Education Research Fund [international competition]. Co-PI with Palacios Mackay M, PI from 2020-2021.
- Needs Assessment of Training for Educational Leaders in Family Medicine (NATEL-FM) (2018): \$20,000 from the College of Family Practitioners of Canada (CFPC) program [national competition], principal investigator: Palacios Mackay M.
- CBD Residency Implementation Award (2017): \$25,000 from Royal College of Physicians and Surgeons of Canada (RCPSC) [National competition], principal investigator: Millar K.
- Understanding the impact of professional deference on compromised patient care within a pediatric resuscitation environment (2016): \$3,000 from ACHRI [Provincial competition], principal investigator: Delaloye N.
- QUEST (2016): \$50,000 from the College of Family Practitioners of Canada (CFPC) for a realist national evaluation of the Triple C program [national competition], principal investigator: Palacios Mackay M.
- CRAWWLA (2016-2019): \$40,000 from the University of Calgary [institutional competition], Taylor Institute Teaching Scholars Program.
- PRCC Impact Review (2016): \$10,000 AUD from Flinders University, South Australia for a review of the impact of the rural distributed medical education PRCC program at Flinders [direct commission], principal investigator: Myhre D.
- Research startup funds (2015): \$110,000 from the University of Calgary [non-competitive unrestricted institutional grant].
- OpenLabyrinth [Catalyst Grant] (2015): \$15,000 from the O'Brien Institute of Public Health for technical and research infrastructure support for the OpenLabyrinth software platform [Institutional competition], principal investigator: Topps D.
- "How can qualitative evidence synthesis contribute to humanistic healthcare? A meta-study" (2015): \$5,000 USD from Gold Foundation [national invitational competition], principal investigator: Kelly M.
- Exploring anesthesia education systems and platforms (2015): \$12,000 from the Sudbury Anesthesia Local Education Group [non-competitive unrestricted institutional grant].
- DITTO (2013-2014): \$25,000 from NOSM Medical Education Research fund for exploring how

- physicians become academic physicians in different settings and contexts [institutional competition].
- SAVUS (2013-2014): \$9,000 from NOSM Medical Education Research fund for exploring learner activism at NOSM and beyond [institutional competition].
 - Health Services Virtual Organization (HSVO) Redux (2011-2012): \$65,000 from CANARIE for additional development and testing of the HSVO Network Enabled Platform for distributed integrated simulation-based education working with McGill University, University of Calgary, University College Cork and the iDeal group [competition among existing CANARIE-funded projects].
 - CEMESTR (2011-2012): \$7,500 from NOSMFA Research Development Fund for a large-scale thematic and systematic review of community-engaged medical education [institutional competition]. Additional funding provided by CIHLC collaborative.
 - Impact of an Intensive Simulation-Based Crisis Management and Technical Skills “Boot-Camp” Course on a Family Practice Anesthesia Program (2011): \$73,525 from Northern Ontario Academic Medicine Association (NOAMA) [institutional competition], principal investigator: Anderson R.
 - G4 (2009-2011): £200,000 from JISC, UK to investigate the replacement of paper-based PBL with virtual patients - collaborating with St Georges University of London [UK national competition], principal investigator: Poulton T.
 - Health Services Virtual Organization (HSVO) (2008-2011): \$2,050,000 from CANARIE for collaborative project with McGill University, Stanford University, National Research Council Canada (NRC), Canadian Communications Research Centre (CRC), IIL and iDeal to create and evaluate a network enabled platform for integrated simulation-based training and assessment – national competition [Canadian national competition].
 - PINE (2008-2009): \$65,000 from Inukshuk Wireless, Canada to create 60 interprofessional virtual patients reflecting issues in Canadian and northern healthcare. Collaboration with Laurentian, Confederation, Ryerson and McMaster [Canadian national competition]. The outputs of this project are online at <http://pine.nosm.ca/pine>
 - VERSE (2008-2009): \$205,000 from Canadian Fund for Innovation to create virtual reality-based research infrastructure for healthcare education research. Collaboration with Lakehead University – note grant vired from larger original funded proposal [Canadian national competition], principal investigator: Strasser R.
 - CHERRI (2006-2007): £27,000 from JISC, UK to undertake a review of consent and licencing issues around the use of clinical recordings used in educational settings [UK national competition].
 - University of Edinburgh e-Learning fund (2004-2007): £320,000 for various internal technology-based projects [institutional competition].
 - METRO (2003): £7,000 from Higher Education Academy, UK to create an assessment taxonomy for inclusion in MeSH [UK national competition].
 - ACETS (2002-2005): £247,000 from JISC, UK to investigate the phenomena of educators reusing third party digital materials in the form of learning objects [UK national competition], principal investigator: Dewhurst D.

As supervisor

- Fareen Zaver, Royal College of Physicians and Surgeons of Canada (RCPSC) Maudsley Fellowship, 2019. \$40,000.

- Catherine Patocka, Royal College of Physicians and Surgeons of Canada (RCPSC) Maudsley Fellowship, 2020. \$40,000.
- Catherine Patocka, CIHR Doctoral Award: Frederick Banting and Charles Best Canada Graduate Scholarships, 2020. \$105,000
- Amanda Roze des Ordon, Royal College of Physicians and Surgeons of Canada (RCPSC) Maudsley Fellowship, 2021. \$40,000.
- Amanda Roze des Ordon, SSHRC Doctoral Fellowship, 2023. \$35,000.

Research and Academic Consultancy

As Director of OHMES at the University of Calgary I provide research and academic consultancies and mentorship to faculty with an interest in educational scholarship in the Cumming School of Medicine.

Prior to my appointment at the University of Calgary I undertook a number of external research consultancies:

- 2007-2011 “WISE Trial” funded as an NLM R01 project: acted as an evaluation and qualitative research specialist to the project involving 7 US medical schools (n=2380 students), lead: New York University, NY.
- 2009-2011 “Renewing the Curriculum to More Effectively Accommodate Clinical Rotations” funded by the Australian Learning & Teaching Council: acted as an external reviewer for the project developing Learning Design techniques for PBL in medical education at University of Western Sydney, Australia.
- 2007-2010 “eVIP” funded by the European Union’s eContentPlus Program: acted as an educational and technical consultant to this EU-funded project involving 8 European medical schools. The project created more than 320 free and open-source virtual patient cases along with multiple publications on the development and use of virtual patients.

I have also acted in an academic advisory role to a number of organizations including the World Health Organization, NHS Education Scotland, the National Institute for Clinical Excellence (NICE), the UK Higher Education Academy, the Scottish Deans’ Medical Curriculum Group, JISC, NBME, MedBiquitous and a number of medical schools in the UK, Australia, Canada and the US.

IX. PRESENTATIONS

*(students marked *)*

Invited Addresses

1. de Jong PGM, Osheroff N, **Ellaway RH**. Challenges and opportunities for health sciences educators in today’s and tomorrow’s world. Keynote panel, International Conference on Medical Education (ICAM), Vancouver, April 2024.
2. **Ellaway RH**. 2023. Queer intersectionalities in biochemistry education. Webinar. Association of Biochemistry Educators (ABE), USA, December 2023.
3. **Ellaway RH**. 2023. Science cannot justify itself: exploring the philosophies of medical education science. Keynote. German Association for Medical Education, online, November 2023.
4. **Ellaway R**. Am I a serious medical education scholar? Rogano Meeting, Glasgow, UK, August 2023.

5. **Ellaway RH.** 2023. The lesser angels of our nature. Workshop. Reimagining Residency Initiative, American Medical Association, online, April 2023.
6. **Ellaway RH.** 2023. The challenges of changing medical education. Lecture. Memorial University Newfoundland visiting scholar, March 2023.
7. **Ellaway RH.** 2023. What kind of scholar will you be? Workshop. Memorial University Newfoundland visiting scholar, March 2023.
8. **Ellaway RH.** 2023. Getting published: Ways and Means. Workshop. KEEP Lab, McGill University, QC, March 2023.
9. **Ellaway RH,** Pirie J, Mills L. 2022. Supporting Struggling Learners in CBME. ICBME Webinar, online, December 2022.
10. **Ellaway RH.** 2022. Technology changes nothing in medical education ... except for everything. Keynote. Transform Medical Education Conference. London, UK, November 2022.
11. **Ellaway RH.** 2022. What does “dissemination” mean for Medical Education in 2022? SDRME Annual Conference. Burlington, VT, June 2022.
12. **Ellaway RH.** 2022. Primum Non Nocere. IHSE, McGill visiting professor, May 2022.
13. **Ellaway RH.** 2022. Pattern Theory. IHSE, McGill visiting professor, May 2022.
14. **Ellaway RH.** 2022. Resistance in Medical Education. IHSE, McGill visiting professor, May 2022.
15. **Ellaway RH.** 2022. Academic crimes, misdemeanours, and forensics. IAMSE Webinar, online, April 2022.
16. **Ellaway RH.** 2022. What value evaluation? Canadian CPD Deans Retreat, online, April 2022.
17. **Ellaway RH.** 2021. Creating learning entities: Augmentation in health professions education. Webinar. International Association of Medical Science Educators (IAMSE), September 2021, online.
18. **Ellaway RH.** 2021. Everything changed, nothing changed: What we have learned about online learning and assessment in medical education. Keynote. Medical Education Conference of Hong Kong Academy of Medicine, Hong Kong, PRC, May 2021, online.
19. **Ellaway RH.** 2021. Strange Entanglements: Technologies and Entities in Healthcare Education. Scottish Medical Education Conference, NHS Education for Scotland, UK. May 2021, online.
20. **Ellaway RH.** 2021. Augmentation and Health Professional Education. Keynote. Irish Network of Healthcare Educators (INHED) Conference, online, March 2021, online.
21. **Ellaway RH.** 2021. Rethinking the ways we use data in health professions education. Keynote for University of Manitoba's Health Professions Education Research Day, Winnipeg, MB, May 2020. Postponed to January 2021, online.
22. **Ellaway RH.** 2020. Digital professionalism. Trinity University, Dublin. Invited address to the National Forum for the Enhancement of Teaching and Learning: 2020/21 National Seminar Series, Ireland: September 2020, online.
23. **Ellaway RH.** 2020. Entropy in medical education. The 2020 Royal College Lecture in Residency Education, ICRE Conference, September 2020, online.
24. **Ellaway RH.** 2020. Confronting contexts. Keynote for ANZAHPE Conference, Melbourne, Australia, July 2020, rescheduled online August 2020.
25. **Ellaway RH.** 2020. Moral agency in health professional education scholarship. Invited address to

Monash University, Melbourne, Australia, July 2020, online

26. **Ellaway RH.** 2020. Ideology and accountability in medical education systems. Invited address to OPED Conference, Calgary AB, January 2020.
27. **Ellaway RH.** 2019. All medical education is simulation. MERIT Grand Rounds, McMaster University, Hamilton ON, December 2019.
28. **Ellaway RH.** 2019. Inspiring change by creating innovative and transformative curricula. AFMC Summit on Health Canada Initiative on Opioid Prescribing. Ottawa, October 2019.
29. **Ellaway RH.** 2019. Ideology, moral agency, and axiology in medical education scholarship. Annual Weston Lecture in Medical Education, Centre for Education Research & Innovation (CERI), 2019 Research Symposium, Western University, London ON, October 2019.
30. **Ellaway RH,** Boulet J. 2019. Should candidates have access to the technology of their choice during assessments? Medical Council of Canada, Ottawa, September 2019.
31. **Ellaway RH.** 2018. Precision, economics and competency-based medical education. O'Brien Institute Seminar Series, University of Calgary, October 2018.
32. **Ellaway RH.** 2018. Everything changed, nothing changed: the technology paradox in health professional education. 3rd International Conference on Medical Education Informatics (MEI2018), Leeds, UK, September 2018.
33. **Ellaway RH.** 2018. Competency-Based Education: Challenges and Cautions. ICBME Collaborators: 2018 World Summit on CBME, Basel, Switzerland, August 2018.
34. Norman G, Monteiro S, Kuper A, **Ellaway R.** 2018. "You say tomAYto and I say tomAHto": An exploration of epistemologies. The 2018 Bayfield Conference, Bayfield, ON, June 2018.
35. **Ellaway RH.** 2018. Don't try this at home: World domination and academic leadership laid bare. OHMES Leadership Lecture, University of Calgary, April 2018.
36. **Ellaway R.** 2017. Navigating the utopian and dystopian waters of learning analytics. Keynote for Learning Analytics Symposium, International Conference on Residency Education. Quebec City, October 2017.
37. **Ellaway R.** 2017. CanMEDS is a Theory: Owning the provisionality of educational reform. Research Rounds, Royal College of Physicians and Surgeons of Canada. Ottawa, June 2017.
38. **Ellaway R,** Palacios-Mackay M. 2017. Qualitative Understanding and Evaluation Study of Triple C. CFPC Family Medicine Residency Training Retreat: Looking Back and Moving Forward. Toronto, May 2017.
39. **Ellaway R.** 2017. Where do medical learners begin and end? Boundary issues in medical education scholarship. ACH Lunch and Learn, Alberta Children's Hospital, Calgary AB, April 2017.
40. **Ellaway R.** 2017. What place does ideology have in medical education scholarship? Grand Rounds, University of Saskatchewan College of Medicine, Saskatoon SK, January 2017.
41. **Ellaway R.** 2017. Where does a learner start and end? Exploring the cyborg paradox in medical education. Canadian Association of Medical Education (CAME) National webinar, January 2017.
42. **Ellaway R.** 2016. Ideology and moral agency in health professional education scholarship. Gordon Page Invited Lecturer, CHES Celebration of Scholarship, Centre for Health Education Research, University of British Columbia, Vancouver BC, October 2016.
43. **Ellaway R.** 2016. Integration, Continuity, and Longitudinality. "What I'm Thinking About..." Rounds, Centre for Health Education Research, University of British Columbia, Vancouver BC,

October 2016.

44. **Ellaway R.** 2016. Realist inquiry. CHES Fellows Research Meeting, Centre for Health Education Research, University of British Columbia, Vancouver University of British Columbia, October 2016.
45. **Ellaway R.** 2016. Ideology and health professional education. Conversation Café, University of Alberta, Edmonton, September 2016.
46. **Ellaway R.** 2016. The trouble with context in medical education scholarship. Medical Education rounds, University of Alberta, Edmonton, September 2016.
47. **Ellaway R.** 2016. Moral Agency and Scholarship in a Time of Social Accountability. Keynote address, ICEMEN Conference, Sault St Marie, ON, June 2016.
48. **Ellaway R, Sharma M, Kuper A, Whitehead C.** 2016. A Modest Proposal. The 2016 Bayfield Conference, Bayfield, ON, June 2016.
49. **Ellaway R.** 2016. Routes to Scholarship. Health and Medical Education Scholarship Symposium, February 2016, Calgary, AB.
50. **Ellaway R.** 2015. Context, Mechanism, Outcome: realist methods in health professional education. W21C Journal Club, December 2015, Calgary, AB.
51. **Ellaway R.** 2015. Context and the other. Invited panel, Cumming School of Medicine Third Annual Symposium on Humanities in Health Care. November 2015, Calgary, AB.
52. **Ellaway R.** 2015. Communities and community relationships in medical education: a critical realist systematic review. AMEE MedEdWorld Webinar, November 2015.
53. **Ellaway R.** 2015. Technology and the extended mind. Keynote address, MedBiquitous Conference, Baltimore MD, April 2015.
54. **Ellaway R.** 2015. Context in medical education. Keynote address, The Hodges Education Scholarship International Symposium, The Wilson Centre, University of Toronto, March 2015.
55. **Ellaway R.** 2015. If you've seen one: Deconstructing community relationships in medical education. Keynote address, Health and Medical Education Scholarship Symposium. University of Calgary, February 2015.
56. **Ellaway R.** 2015. If you've seen one: Deconstructing Community Relationships in Medical Education. NOSM Human Sciences Division Seminar, Sudbury, ON.
57. **Ellaway R.** 2014 Jeux Sans Frontières: exploring the relationships between communities and medical education. Program for Educational Research and Development (PERD) Rounds, McMaster University, Ontario, December 2014.
58. **Ellaway R.** 2014 Digital professionalism and the extended mind. Flinders University, Adelaide, South Australia, October 2014.
59. **Ellaway R.** 2014 Digital professionalism. Canadian Association of Medical Education (CAME) National webinar, June 2014.
60. **Ellaway R.** 2014 "Activity, Realism, Context" workshop. Research on Medical Education Outcomes (ROME) Group. New York University, NY, March 2014.
61. **Ellaway R.** 2014. Seminar "The Extended Mind: Cognitive Artifacts and Systems in Medicine and Medical Education" for Association of Academic Professionals in Obstetrics and Gynaecology of Canada (APOG) annual meeting, Toronto, December 2014.
62. **Ellaway R.** 2014. Exploring the intersections of medical schools and communities. Keynote address, The Global Community Engaged Medical Education Muster, Uluru NT, Australia, October 2014.

63. **Ellaway R.** 2014. Using realist methods to explore the relationships between medical schools and communities. Masterclass, The Global Community Engaged Medical Education Muster, Uluru NT, Australia, October 2014.
64. Bates J, **Ellaway R.** 2014. A Glass Bead Game: Exploring the dark matter of context in medical education. The 2014 Bayfield Conference, Bayfield, ON, June 2014.
65. **Ellaway R.** 2014 With and without: Mobile Devices and Clerkship Assessment. Clerkship Administrators' 8th Annual Meeting at the Canadian Conference on Medical Education, Ottawa, 2014.
66. **Ellaway R.** 2013 Educational Prosthesis: technologies for augmenting health professional education. MES Rounds, Sick Kids Hospital, Toronto, ON, October 2013.
67. **Ellaway R.** 2013 NOSM and Social Accountability. Wilson Centre, University of Toronto, ON, October 2013.
68. **Ellaway R.** 2013 Designing things for learners to do: activity and deliberate practice in health professional education. Everywhere colloquium, St George's University of London, UK, September 2013.
69. **Ellaway R,** Topps D. 2013 Scenario-Based Learning. Faculty development workshop, University of Calgary, AB, July 2013.
70. **Ellaway R.** 2013. Educational Prosthesis: technologies for augmenting health professional education. Keynote address, 2nd Annual Sunnybrook Education Conference: Digital Learning. Sunnybrook Hospital, Toronto, October 2013.
71. **Ellaway R.** 2013 Economies of Presence and Standardized Patient Education. Keynote address, ASPE Annual Meeting, Atlanta, GA, June 2013.
72. **Ellaway R.** 2013 Hiding in plain sight: the challenges of accounting for activity in medical education scholarship. Keynote address, AIME Annual Meeting, University of Ottawa, April 2013.
73. **Ellaway R** 2013 Do or do not: Activity in Health Education Technology. MedBiquitous 2013 Annual Conference, Baltimore, MD.
74. **Ellaway R** 2012. Seminar "Digital Professionalism" for Association of Academic Professionals in Obstetrics and Gynaecology of Canada (APOG) annual meeting, Toronto, December 2012.
75. **Ellaway R.** 2012. The Naming of Parts. The Bayfield Conference, Bayfield, ON, June 2012.
76. **Ellaway R.** 2012. Adventures in Simulation at the Northern Ontario School of Medicine. Rendez-Vous Conference, Thunder Bay, ON. October 2012.
77. **Ellaway R.** 2012. Presentation and workshop: "CPD in an Information Age" 4th National CPD Accreditation Conference. College of Family Physicians of Canada (CFPC) and the Royal College of Physicians and Surgeons of Canada (RCPSC), Toronto, ON.
78. **Ellaway R.** 2012. NOSM is a lab. NOSM Human Sciences Division Seminar, Sudbury, ON.
79. **Ellaway R.** 2012. Social Media and CPD. AFMC Standing Committee on Continuing Professional Development seminar. 2012 Canadian Conference on Medical Education, Banff, AB.
80. **Ellaway R.** 2012. Integrated series of simulation-related presentations as a part of a visiting fellowship at Flinders University Northern Territories Medical Program in Australia, including: "Developing Simulation for Health Practitioners", "Simulation Learning in Medicine: Can it Replace the Real Deal?", "All Health Professional Education is Simulation" and "Simulation and e-Learning".
81. **Ellaway R.** 2011. e-Everything: Medical Education in a Digital World. European Respiratory Society Educational Research Seminar, Dublin, Ireland.

82. **Ellaway R.** 2011. Health Informatics and Health Professional Education. Health Informatics Symposium, Algoma University, Sault St Marie, ON.
83. **Ellaway R.** 2011. The Roads Not Taken: Exploring the Growing Crises of Medical Education Research. CRaNHR Symposium, Laurentian University, Sudbury, ON.
84. **Ellaway R.** 2011. Virtual Patients. Northern Lights MiniSUN Simulation Conference, Sudbury, ON.
85. **Ellaway R, Topps D.** 2010. A Network Enabled Platform for Healthcare Training and Assessment. ORION Summit, Toronto, ON.
86. **Ellaway R, Topps D, et al.** 2010. Health Services Virtual Organization. Lakehead University Research Day. Thunder Bay, ON.
87. **Ellaway R, Topps D.** 2010. Pathways for Interactive Narrative Education (PINE). Lakehead University Research Day. Thunder Bay, ON.
88. **Symington C, Sanche R, Ellaway R, Topps D.** 2010. Virtual Educational Research Services Environment (VERSE) and Lakehead University Virtual Reality Environment (LUVRE). Lakehead University Research Day. Thunder Bay, ON.
89. **Ellaway R.** 2010. Extending and Integrating Simulation. NOSM-Confederation College Collaboration Meeting, Thunder Bay, ON.
90. **Ellaway R.** 2010. Ambient Healthcare Professions Education Research. NOSM Faculty Retreat, Sudbury, ON.
91. **Ellaway R.** 2010. Impact of eVIP. Presentation to European Commission program director for the eContent Plus Program, Luxembourg.
92. **Ellaway R.** 2010. "HSVO: Creating the Simulation Continuum." at the Canada 3.0 Conference, in Stratford ON.
93. **Ellaway R.** 2010. "HSVO Simulation Integration" at the US Veterans Affairs eHealth University, meeting in Las Vegas, NV.
94. **Ellaway R.** 2009. Interoperability is Dangerous and Destructive. MedBiquitous Annual Meeting, Baltimore, MA, April 2009
95. **Ellaway R.** 2009. The Realities of the Virtual Patient. ICVP. Krakow, Poland.
96. **Ellaway R, Tworek J.** 2009. Curriculum Development: that would be a good thing! Workshop. Comprehensive Longitudinal Integrated Clerkship meeting (CLIC), Edmonton, AB.
97. **Ellaway R.** 2009. Virtual Patients 101. Workshop. Comprehensive Longitudinal Integrated Clerkship meeting (CLIC), Edmonton, AB.
98. **Ellaway R.** 2009. HSVO NEP-11 CANARIE NEP Synergy Meeting, Winnipeg, MB.
99. **Ellaway R** 2009. "The HSVO Service Continuum". CANARIE-Cybera Summit, Banff, AB
100. **Ellaway R, Dev P.** 2009. "Think Globally, Act Locally: A Canada-California Partnership". CANARIE-Cybera Summit, Banff, AB.
101. **Ellaway R.** 2009. Virtual Patients. eLearning Colloquium, University of British Columbia, Vancouver, BC.
102. **Ellaway R.** 2009. There is no such thing as eLearning. Invited seminar presentation, McMaster University, Hamilton ON.
103. **Ellaway R.** 2009. Posthuman Medical Education: finding the learner in the machine. Visiting Professor Inaugural Address at St Georges University of London, UK.

104. **Ellaway R.** 2009. I, Virtual Patient. Invited seminar University of Pittsburgh, PA.
105. **Ellaway R, Topps D.** 2009. Virtual Patients, Serious Games and Narrative Simulations. Thunder Bay, ON, Thunder Bay Medical Society Summer School. Thunder Bay, ON.
106. **Ellaway R.** 2008. The Open Source Medical School: challenges to Learner, Faculty and Institutional Identities. Invited seminar presentation, McGill University, Montréal, QC.
107. **Ellaway R.** 2008. Narrative and play as themes in the new instructional design. Invited seminar presentation, McMaster University, Hamilton ON.
108. **Ellaway R.** 2008. Open Source and Open Learning. Software Freedom Day 2008, Laurentian University, September 2008 - <https://zone.biblio.laurentian.ca/dspace/handle/10219/306>
109. **Ellaway R.** 2008. MedBiquitous Philip Dodds Memorial Lecture 2008: What Are We Saying To Each Other? Keynote address, MedBiquitous, Baltimore, MD.
110. **Ellaway R.** 2008. VLEs: The Walls Come Tumbling Down. Keynote address, AFMC/CAME Annual Conference, Montréal, QC.
111. **Ellaway R.** 2008. Education Clouds, Research Clouds. Ontario's Digital Economy Conference, Huntsville, ON.
112. **Ellaway R.** 2006. PathCAL. JISC Conference 2006, Birmingham, UK.
113. **Ellaway R.** 2006. Lifting the lid on the learning object economy. Lifelong Learning for All Conference, SOAS, London, UK.
114. **Ellaway R.** 2006. I say portfolio. Severn Institute Annual Conference, NHS Severn and Wessex Deanery, Bristol, UK.
115. Dewhurst D, **Ellaway R.** 2006. CLIVE and the Curriculum. AUVEC Inaugural Meeting, Entebbe, Uganda.
116. **Ellaway R** 2002. Learning Technology is Lego. University of Edinburgh Technology Conference, University of Edinburgh, UK.

Conference Presentations

1. Patocka C*, Cooke L, Ma I, **Ellaway R.** Coaching models are not 'one-size-fits-all'. ICRE Conference, Halifax NS, October 2023.
2. Patocka C*, Cooke L, Ma I, **Ellaway R.** A pattern review of feedback in health professions education. AMEE Conference, Glasgow, UK, August 2023.
3. Wyatt TR, Ma T, Eichbaum Q, van Schalkwyk S, **Ellaway R.** Conflict and Resistance: Framing Healthy Responses to Systemic Harm and Injustice. AMEE Conference, Glasgow, UK, August 2023.
4. Bamidis P, Ramani S, Dieckmann P, **Ellaway R.** Medical Education Escape Rooms; Love them, but am I learning? A critical discussion on contemporary serious gaming. AMEE Conference, Glasgow, UK, August 2023.
5. Roze des Ordons A*, **Ellaway R.** Trauma in medical education – A metanarrative review. AMEE Conference, Glasgow, UK, August 2023.
6. Wyatt T, **Ellaway R.** Resistance in Health Professions Education. AAMC Learn, Serve, Lead Conference, Nashville, USA, November 2022.
7. Patocka C*, **Ellaway R,** Cooke L, Ma I. Problematizing the F-Word. ICRE Conference, Quebec City,

October 2022.

8. Pusic M, Rafel J, **Ellaway R**. Learning analytics: pushing the envelope at every level, including yours. ICRE Conference, Quebec City, October 2022.
9. Tolsgaard M, Driessen E, **Ellaway R**. What makes research good? (symposium). AMEE Conference, Lyon, France: August 2022.
10. Zaver F*, **Ellaway R**, Cooke L, Lord J, Sherbino J. Prepared to practice? The longitudinal challenges physicians face in their first year of practice. CCME conference, Calgary, April 2022.
11. Timmins D*, **Ellaway R**, Kachra R, Fenton T. Exploring systemic barriers to providing nutrition care in residency programs. CCME conference, Calgary, April 2022.
12. Cavalcanti R, Hamstra S, Pusic M, **Ellaway R**, Cuddy M. 2021. Learning Analytics at the cutting edge. ICRE Conference, May 2021, online.
13. Horsley T, **Ellaway RH**. Considering Knowledge Syntheses: Where to begin. Canadian Conference on Medical Education, April 2021, online.
14. Horsley T, Steinert Y, Leslie K, Oswald A, Friesen F, **Ellaway RH**. The use of BEME review in the medical education literature. Canadian Conference on Medical Education, April 2021, online.
15. Razack S, Duncan D, **Ellaway R**. ICRE, Advancing CBME Through Aristotelian Critique and Analysis. ICRE/ICBME Conference Webinar, January 2021
16. Horsley T, **Ellaway RH**. Considering knowledge syntheses: Where to begin. ICRE Conference, September 2020, online.
17. Strasser R, Couper I, **Ellaway RH**, Worley P, Van Schalkwyk S. Context is Critical: exploring pedagogies of place in health professions education. AMEE Conference 2019, Vienna, Austria, August 2019.
18. Dimitrova V, Topps D, **Ellaway R**, Treasure-Jones T, Pusic MV, Palombi O. Leveraging Learning Analytics in Medical Education. AMEE Conference 2019, Vienna, Austria, August 2019.
19. **Ellaway RH**, Watling C, Molloy E, Schrewe B, Bates J. CCME 2019 Education Research Symposium: Researching the Intersection of Workplace Learning and Diversity of Contexts in Clinical Training. Canadian Conference on Medical Education, April 2019, Niagara Falls, ON.
20. Topps D, **Ellaway RH**. One hundred thousand hours: data from a decade on Youtube. Canadian Conference on Medical Education, April 2019, Niagara Falls, ON.
21. Watling C, Bates J, Teunissen P, Topps M, **Ellaway RH**, Myers K, Tessaro J, Asgarova S. Community-Based Rotations and Professional Identity Development. Canadian Conference on Medical Education, April 2019, Niagara Falls, ON.
22. Lord J, Gaudet J, Eng R, **Ellaway RH**, Adegbesan C, Pokharel SS, Millar K. Anticipating competence by design: faculty and resident perspectives. Canadian Conference on Medical Education, April 2019, Niagara Falls, ON.
23. Bates J, Watling C, Schrewe B, **Ellaway RH**, Teunissen P. Adjusting to new contexts of clinical training. Canadian Conference on Medical Education, April 2019, Niagara Falls, ON.
24. Watling C, Tessaro J, Myers K, Bates J, Topps M, Teunissen P, **Ellaway RH**, Asgarova S. Getting to capability: how trainees adjust to new clinical workplace contexts. Canadian Conference on Medical Education, April 2019, Niagara Falls, ON.
25. Tremblay C*, **Ellaway RH**, van Barneveld C, Anderson R. Perceived Needs and Challenges with electronic portfolio implementation in the discipline of Anesthesiology. AMEE Conference 2018,

- Basel, Switzerland, August 2018.
26. Dimitrova V, Treasure-Jones T, **Ellaway RH**, Topps D, Pusic M. Adopting Learning Analytics in Medical Education. AMEE Conference 2018, Basel, Switzerland, August 2018.
 27. Schrewe B, **Ellaway RH**, Watling C, Bates J. The contextual curriculum: Learning in and from the matrix. AMEE Conference 2018, Basel, Switzerland, August 2018.
 28. Blitz J, Couper I, **Ellaway RH**, Strasser R, Van Schalkwyk S, Worley P. Context matters: Exploring the role of place in health professions education. AMEE Conference 2018, Basel, Switzerland, August 2018.
 29. Topps D, **Ellaway RH**, Helmer J. Lessons learned from a decade on YouTube. AMEE Conference 2018, Basel, Switzerland, August 2018.
 30. Topps M, **Ellaway RH**, Bates J, Kearney R, Hartford W. Getting to Capability: how residents adjust to new contexts. Canadian Conference on Medical Education, Halifax NS, April 2018.
 31. Palacios M, **Ellaway RH**, Lee S, Hofmeister M, Finlay J. A pan-Canadian realist audit of the Triple C competency-based curriculum for family medicine residency training. Canadian Conference on Medical Education, Halifax NS, April 2018.
 32. Myhre D, **Ellaway RH**, Malhi R, Walker I, Bajaj S. A critical scoping review of the connections between social mission and medical school admissions. Canadian Conference on Medical Education, Halifax NS, April 2018.
 33. Malhi R, Myhre D, **Ellaway RH**, Doig C, de Groot J, Hatfield J. Calgary Admissions to the Medical Program: Analysis of Value Networks. Canadian Conference on Medical Education, Halifax NS, April 2018.
 34. Keren D*, Lockyer J, Kelly M, Chick N, **Ellaway RH**. Undergraduate medical students' experiences with social studying and learning. Canadian Conference on Medical Education, Halifax NS, April 2018.
 35. Bates J, Hartford W, Topps M, Kearney R, **Ellaway RH**. 2017. Rural training sites: all small towns are not the same. RIME, AAMC Learn, Serve, Lead Conference, Boston MA, November 2017.
 36. Bates J, Topps M, Kearney R, Hartford W, **Ellaway RH**. Getting to capability: how residents adjust to new contexts. RIME, AAMC Learn, Serve, Lead Conference, Boston MA, November 2017.
 37. Topps M, **Ellaway RH**, Kearney R, Hartford W, Bates J. Transitions across contexts and building resident resilience. International Conference on Residency Education. Quebec City, October 2017.
 38. Topps M, **Ellaway RH**, Kearney R, Hartford W, Bates J. Trainee perceptions of and responses to contextual change. International Conference on Residency Education. Quebec City, October 2017.
 39. Kearney R, Topps M, **Ellaway RH**, Hartford W, Bates J. Challenging causality in community-based training. International Conference on Residency Education. Quebec City, October 2017.
 40. Topps D, Cullen M, **Ellaway RH**. Turk Talk: Enhancing language skills in learners. International Conference on Residency Education. Quebec City, October 2017.
 41. Bates J, **Ellaway RH**, Topps M, Kearney R, Hartford W. Getting to capability: how residents adjust to new contexts. CHES Celebration of Scholarship, University of British Columbia, October 2017.
 42. Whitehead C, Kuper A, **Ellaway RH**, Norman G, Schreiber M, Hodges B. Research symposium: The Ideology of no Ideology: Recognizing Hidden Values in Medical Education Research. AMEE Conference 2017, Helsinki, Finland, August 2017.
 43. Topps M, Bates J, **Ellaway RH**, Kearney R, Hartford W. Challenging the Interchangeability of Rural

- Training Contexts. AMEE Conference 2017, Helsinki, Finland, August 2017.
44. Palacios-Mackay M, **Ellaway RH**, Lee S, Hofmeister M, Finlay J. A Realist Audit of a National CBME Initiative in Family Medicine. AMEE Conference 2017, Helsinki, Finland, August 2017.
 45. **Ellaway RH**, Palacios-Mackay M, Lee S, Hofmeister M, Finlay J. Contextual variation in the success and adoption of CBME. AMEE Conference 2017, Helsinki, Finland, August 2017.
 46. Myhre D, **Ellaway RH**, Topps M. Exploring the DNA of Influence: How we got to where we are. Canadian Conference on Medical Education, Winnipeg MB, May 2017.
 47. Topps D, Cullen M, **Ellaway RH**. Turk Talk: enhancing language skills in learners. Canadian Conference on Medical Education, Winnipeg MB, May 2017.
 48. Topps D, Albersworth C, **Ellaway RH**, Topps M. Activity Metrics: measuring what learners do, not what teachers say they do. CHES Celebration of Scholarship, University of British Columbia, Vancouver BC, October 2016.
 49. Corral J, **Ellaway RH**, Topps D. Exploring cyborg learners in the health professions. AMEE Conference, Barcelona, Spain, August 2016.
 50. Graves L, Cumming BA, **Ellaway RH**. Exploring integration, continuity, and longitudinality in Canadian clerkships. AMEE Conference, Barcelona, Spain, August 2016.
 51. Kulasegaram M, Pusic M, Leppink J, **Ellaway RH**, Topps D. Bigger or Better: A Programmatic Approach to the Promises and Perils of Using "Big Data" in Medical Education. Canadian Conference on Medical Education, Montréal QC, April 2016.
 52. Bates J, **Ellaway RH**, Teunissen P. Contextual Competence. Canadian Conference on Medical Education, Montréal QC, April 2016.
 53. Stergiopoulos E*, Martimianakis MA, Nahiddi N*, **Ellaway RH**. A Lexicon for Compassion: Student Perspectives on a Critical Discourse Analysis. Canadian Conference on Medical Education, Montréal QC, April 2016.
 54. Bennion L, Rawling J, Murphy S, Topps D, Topps M, **Ellaway RH**. ADAGE: Automatic Data Answer Generator. Canadian Conference on Medical Education, Montréal QC, April 2016.
 55. Topps D, Pusic M, **Ellaway RH**, Kulasegaram M. 2016. Assessment and Educational Analytics. Ottawa/ANZAHPE Conference, Perth, Australia, March 2016.
 56. **Ellaway RH**, Kappel C*. War Stories: exploring physician experiences of contextual change in professional practice. CHES Celebration of Scholarship, Vancouver BC, October 2015.
 57. Bates J, **Ellaway RH**, Teunissen P. Contextual competence: how learners and preceptors adjust to changes in context. CHES Celebration of Scholarship, Vancouver BC, October 2015.
 58. **Ellaway RH**, Graves L, Ringsted C, Whitehead C, Bates J. Generalism in Medical Education Scholarship. AMEE Conference, Glasgow UK, September 2015.
 59. **Ellaway RH**, Graves L, Strasser R, O’Gorman L*, Marsh D, Cervin C, Fink P. Translating CEMESTR: modeling medical education-community relationships. AMEE Conference, Glasgow UK, September 2015.
 60. Bates J, **Ellaway RH**, Teunissen P. 2015. Contextual Competence: how learners and preceptors adjust to changes in context. Canadian Conference on Medical Education, Vancouver BC, April 2015.
 61. **Ellaway RH**, Graves L, Cummings B. 2015. Continuity, longitudinality, and integration in the design of Canadian undergraduate medical education. Canadian Conference on Medical Education, Vancouver BC, April 2015.

62. Kalet A, Chou C, Bebeau MJ, **Ellaway** RH. 2014. Emerging Solutions: Remediation in Medical Education. American Association of Medical Colleges (AAMC) Annual Meeting, Chicago IL, October 2014.
63. **Ellaway** RH, Topps M, Baron T, Peek A. 2014. Learner experiences of a hybrid distributed pediatrics residency program. The Global Community Engaged Medical Education Muster, Uluru NT, Australia, October 2014.
64. Bachiu J, Friesen J, Dabous J, **Ellaway** RH. 2014. Comparable learning experiences at NOSM's Longitudinal Integrated Clerkship. The Global Community Engaged Medical Education Muster, Uluru NT, Australia, October 2014.
65. Farrell S, **Ellaway** RH, Graves L, Abourbih J. 2014. Expanding the boundaries of clinical skill development in undergraduate medical education: Instruction in Point of Care Ultrasound (POCUS) at the Northern Ontario School of Medicine. The Global Community Engaged Medical Education Muster, Uluru NT, Australia, October 2014.
66. **Ellaway** RH, Greenhill J. 2014. Approaches to distributed, socially accountable, and community-engaged medical education research. The Global Community Engaged Medical Education Muster, Uluru NT, Australia, October 2014.
67. Anderson R, **Ellaway** RH, u,* McIsaac S. 2014. Education analytics for residency programs: Making Resident LogBook data work for you. International Conference on Residency Education, Toronto, October 2014.
68. Anderson R, **Ellaway** RH, McIsaac S, Tremblay C*. 2014. Case of the week: Helping residents plan and prioritize clinical decisions in a distributed environment. International Conference on Residency Education, Toronto, October 2014.
69. Larkins S, Willems S, Iputo J, Elsanousi S, Cristobal F, **Ellaway** R, Johnston K, Ross S, Palsdottir B, Michielsen K, Neusy A. 2014. Representation of underserved populations in medical education institutions with a social accountability mandate – results from a cross-sectional survey in five THENet Schools. Third Global Symposium on Health Systems Research, Cape Town, South Africa, September 2014.
70. Roberts C, **Ellaway** RH, Casiro O, Dolmans D. 2014. Advancing Clinical Education through Longitudinal Integrated Clerkships. AMEE Conference, Milan, Italy, August 2014.
71. **Ellaway** R, Graves L, Whitehead C. 2014 Generalism in medical education research: Diffusion of effort or a matter of scale? AMEE Conference, Milan, Italy, August 2014.
72. **Ellaway** R, Strasser R, Graves L, Marsh D, Cervin C, O'Gorman L*, Fink P. 2014 Communities and medical education: rummaging around in Pandora's box. AMEE Conference, Milan, Italy, August 2014.
73. Topps M, Baron T, Peek A, **Ellaway** RH. 2014 The best of both worlds: Validating the power of combining distributed medical environments with tertiary training for general pediatrics. AMEE Conference, Milan, Italy, August 2014.
74. Larkins S, Willems S, Iputo J, Elsanousi S, Cristobal F, **Ellaway** R, Johnston K, Ross S, Palsdottir B, Michielsen K, Neusy A. 2014. Representation of underserved populations in medical education institutions with a social accountability mandate – results from a cross-sectional survey in five THENet Schools. Primary Health Care Research Conference, Canberra, Australia, July 2014.
75. Yavner SD, Pusic MV, Kalet AL, Song HS, Hopkins MA, Nick MW, **Ellaway** RH. 2014. Twelve tips for improving the effectiveness of web-based multimedia instruction (WBMI) for clinical learners. Annual Conference on Innovative Pedagogy and Course Redesign, Fairfield University, Fairfield, CT.

May 2014.

76. Topps D, **Ellaway** RH, Simpson S. 2014. OpenLabyrinth: a new approach to openness in virtual patient platforms. MedBiquitous Annual Conference 2014, Johns Hopkins University School of Medicine, Baltimore, MD, May 2014.
77. Renton S, Beatty K, Briggs M, Dubé T, Farrell S, Legault P, **Ellaway** RH. 2014. Developing Critical Reflection Skills using Critical Incident Reporting. Canadian Conference on Medical Education, Ottawa, April 2014.
78. Topps D, Lee S, Sharma N, **Ellaway** R, Woodham L. 2014. Scenario Based Learning: blending feedback modalities. Canadian Conference on Medical Education, Ottawa, April 2014.
79. Kuper A, Whitehead C, **Ellaway** R, Hodges B. 2014. The Non-Medical Expert Roles: Methodological Challenges to Assessment and Evaluation. Ottawa Conference, Ottawa, April 2014.
80. Bachiu J, Beatty K, Ritz S, **Ellaway** R. 2014 Critical Perspectives on Assessment through Socially Accountability Lenses. Ottawa Conference, Ottawa, April 2014.
81. Mongeau S, Graves L, **Ellaway** R. 2014. Community Engagement in Action: Developing and Sustaining Distributed Clinical Placements in Undergraduate Medical Education. Canadian Conference on Medical Education, Ottawa, April 2014.
82. Farrell S, Graves L, Abourbih J, **Ellaway** R. 2014 Use of Point of Care Ultrasound in Undergraduate Medical Education. Canadian Conference on Medical Education, Ottawa, April 2014.
83. Bachiu J, Martyn M, **Ellaway** R, Graves L, Dube T, Dabous J. 2014 The NOSM Curriculum Map: linking assessment, learning objectives and events. Canadian Conference on Medical Education, Ottawa, April 2014.
84. Durocher D, Graves L, Friesen J, **Ellaway** RH. 2014 Evaluating Student-Led Presentations: a pilot project to investigate the student lecturing in medical school. Canadian Conference on Medical Education, Ottawa, April 2014.
85. Cooper G, **Ellaway** R, Tithecott G, Bere P, Piccinin L. 2014 Making the Most of Orientation: Transitioning New Medical Students and Managing the Risks Associated With Traditional Orientation Approaches. Canadian Conference on Medical Education, Ottawa, April 2014.
86. **Ellaway** R, Graves L, Istvan P. 2013 Medical Training: To hometown or not to hometown, that is the question. TUFH Annual Conference, Ayutthaya, Thailand, 2013.
87. **Ellaway** R, Graves L, Picinnin L, Cooper G, Dubé T 2013 Medical Training: Orientation to a community-engaged medical school: social accountability in a time of personal transition. TUFH Annual Conference, Ayutthaya, Thailand, 2013.
88. **Ellaway** R, Strasser R, Graves L, Marsh D, Cervin C, O'Gorman L, Fink P. 2013 CEMESTR: what happens when medical schools and communities intersect? CLIC International Conference, Big Sky, Montana, 2013.
89. Istvan P, **Ellaway** R, Clark D, Graves L. 2013. Preparing yourself, your colleagues, and your patients for students training in their hometown: Using reflective techniques for opening conversations. CLIC International Conference, Big Sky, Montana, 2013.
90. **Ellaway** R, Strasser S, Graves L, Marsh D, Cervin C. 2013. Communities and medical education: from complexity to understanding. AMEE 2013 Conference, Prague, Czech Republic.
91. Yavner SD, Kalet AL, Goldman R, Pusic MV, Song HS, Nick MW, **Ellaway** RH, Plass JL. 2013 Too Tired for Textbooks: Medical Students' Use of Multimedia Learning Environments. 2013 American Educational Research Association (AERA) Conference, San Francisco, CA.

92. Bachiu J, **Ellaway** R, Graves L, Dubé T, Martyn M, Friesen J, Cardinal N. 2013 Curriculum Cartography at Canada's Newest Medical School. 2013 Canadian Conference on Medical Education, Quebec City, QC.
93. Joy A, Topps D, **Ellaway** D, Corral J, Lachapelle K, Lee S. 2013 Beyond Virtual Patients. 2013 Canadian Conference on Medical Education, Quebec City, QC.
94. **Ellaway** R, Ritz S, Beatty K. 2013 Critical Perspectives on Quality Improvement in Medical Education. 2013 Canadian Conference on Medical Education, Quebec City, QC.
95. Graves L, **Ellaway** R, Cervin C, Ferris K, Berry S, Powell C. 2013 Lessons Learned: Evaluating the Intervention of an Accreditation Collaborative as an Academic Quality Improvement Program and Process. 2013 Canadian Conference on Medical Education, Quebec City, QC.
96. Topps D, **Ellaway** R, Corral J, Lee S. 2013 Virtual Patients – Quality Improvements in the 4th Generation. Canadian Conference on Medical Education, Quebec City, QC.
97. Al-Idrissi T, **Ellaway** R, Graves L. Ellaway R 2013 Introducing Social Accountability to Incoming Medical Students. 2013 Canadian Conference on Medical Education, Quebec City, QC.
98. **Ellaway** R 2013 Artificial Narratives. Creating Spaces III, Quebec City, QC.
99. **Ellaway** R, Martyn M, Bachiu J, Friesen J 2013 Curriculum Mapping in a New Distributed Medical School. MedBiquitous 2013 Annual Conference, Baltimore, MD.
100. **Ellaway** R, Poulton T, Woodham L. 2013. Learning with Scenarios: Exploring Tools, Activities and Affordances. MedBiquitous 2013 Annual Conference, Baltimore, MD.
101. **Ellaway** R, Joy A, Topps D, Lachapelle K. 2013. Hybrid Simulation with Virtual Patients. IMSH Annual Conference 2013, Orlando FL.
102. **Ellaway** R and Graves L. 2012. Developing Responsible Approaches to Community-Based Research for Undergraduate Medical Students. NAPCRG Annual Meeting, New Orleans, LA. December 2012.
103. **Ellaway** R, Graves L, Dubé T, Cooper G, Al-Idrissi T, Csontos L, Schroeder C. 2012. The Community and the Learner: which comes first? NAPCRG Annual Meeting, New Orleans, LA. December 2012.
104. **Ellaway** R, Graves L, Abourbih J, Farrell S, Dzuba E, Boyd T. 2012. TeleSP for DME. NAPCRG Annual Meeting, New Orleans, LA. December 2012.
105. **Ellaway** R, Graves L and Newbery S 2012. Curriculum Design for Socially Accountable and Community Engaged Medical Education. Generalists Conference, AAMC Annual Meeting, San Francisco, CA. November 2012.
106. Kalet A, **Ellaway** R et al 2012. Implementing Web-Based Core Curriculum In The Surgery Clerkship: Context Matters. RIME Conference, AAMC Annual Meeting, San Francisco, CA. November 2012.
107. **Ellaway** R. 2012. Increasing the transparency and accountability of medical education through the use of activity theory. Rendez-Vous Conference, Thunder Bay, ON. October 2012.
108. **Ellaway** R, Ritz S and Beatty K. 2012. Accounting for social accountability: developing critiques of social accountability within medical education. Rendez-Vous Conference, Thunder Bay, ON. October 2012.
109. Beatty K, Dubé T, **Ellaway** R, Farrell S, Renton S, Robertson J. 2012. Taking the Rough with the Smooth: an e-portfolio pilot in undergraduate medical education. Rendez-Vous Conference, Thunder Bay, ON. October 2012.
110. Graves L, **Ellaway** R, Berry S 2012. Challenges, Enablers, and Opportunities of Running a Community-Engaged Longitudinal Clerkship. AMEE 2012 Conference, Lyon, France.

111. Dornan T, **Ellaway** R, Tworek J*. 2012. Lecturing Well: an Evidence-Based Approach. AMEE 2012 Conference, Lyon, France.
112. **Ellaway** R, Cooper G, Dubé T, Al-Idrissi T. 2012. The hidden curriculum of orientation. AMEE 2012 Conference, Lyon, France.
113. Iskrenko E, Jivram T, **Ellaway** R, Poulton T. 2012. The introduction of authentic clinical problem-solving into Problem Based Learning, using interactive virtual patients: the impact on student behaviour and performance. AMEE 2012 Conference, Lyon, France.
114. **Ellaway** R and Topps D. 2012. The HSVO Simulator Environment Control Specification (SECS). MedBiquitous 2012 Annual Conference, Baltimore, MD.
115. **Ellaway** R and Goldiez B 2012. Interoperability Standards for Healthcare Simulators. MedBiquitous 2012 Annual Conference, Baltimore, MD.
116. **Ellaway** R, Smothers V, Farrell J, Rehak D. 2012. MedBiquitous XML Design Patterns. MedBiquitous 2012 Annual Conference, Baltimore, MD.
117. **Ellaway** R and Poulton T 2012. Developing Strategic Approaches to E-learning. MedBiquitous 2012 Annual Conference, Baltimore, MD.
118. Greene P and **Ellaway** R 2012. Using HIT to support quality and education. MedBiquitous 2012 Annual Conference, Baltimore, MD.
119. Topps D, **Ellaway** R, Helmer J 2012. Clinisnips and YouTube: use of clinical videos across the world. 2012 Canadian Conference on Medical Education, Banff, AB.
120. Ritz S, Beatty K, **Ellaway** R 2012. Framing of ‘Social Accountability’ in Medical Education: Creating an Open Space for Discourse. 2012 Canadian Conference on Medical Education, Banff, AB.
121. Iskrenko E, Jivram T, **Ellaway** R and Poulton T 2012. The results of the implementation of a new online interactive Problem Based Learning (PBL) Programme. Ottawa Conference, Kuala Lumpur, Indonesia.
122. **Ellaway** R. 2012. All Medical Education is Simulation. IMSH 2012, San Diego, CA.
123. **Ellaway** R, Goldiez B and Severinghaus R 2012. Data Interoperability & Standards for Simulation: A Workshop and Panel Discussion. IMSH 2012, San Diego, CA.
124. **Ellaway** R, Topps D, Lachapelle K and Joy A 2012. Analyzing Patterns of Participant Behavior in Integrated and Distributed Simulation. IMSH 2012, San Diego, CA.
125. Topps D, **Ellaway** R, Rose F, Piper J and Matthews L 2012. Hockey Lines: an approach for maximizing learner participation in team-based simulation. IMSH 2012, San Diego, CA.
126. Cooper C, **Ellaway** R, Al-idrissi T, Schroeder C, Dubé T, Csontos L. 2011. Key Factors in Conducting a Successful Orientation to Medical School. Northern Health Research Conference, Huntsville, Ontario; June 2011.
127. **Ellaway** R, Bonin L, Carbonneau J, Hildebrandt K, Knight J, Kupsh C, Lortie Carlyle S, Morrison B, Peer J and Rose F 2011. NOSHN: where scale fails and networks are the only way forward. RCPSC 2011 Simulation Summit, Montréal, QC.
128. **Ellaway** R, Topps D and Lachapelle K 2011. Simulation Integration. 2011 Canadian Conference on Medical Education, Toronto.
129. **Ellaway** R, Topps D, Lachapelle K, Joy A. 2011. Cyberinfrastructure for Simulation Instruction. RCPSC 2011 Simulation Summit, Montréal, QC.
130. **Ellaway** R, Topps D, Lachapelle K, Joy A. 2011. New Approaches to Simulation Activity Analysis.

- RCPSC 2011 Simulation Summit, Montréal, QC.
131. **Ellaway R**, Topps D, Lachapelle K, Joy A. 2011. Simulation through the Lens of Learning Design. RCPSC 2011 Simulation Summit, Montréal, QC.
 132. **Ellaway R**, Topps D, Lachapelle K, Joy A. 2011. Exploring Simulation Integration (poster), IMSH, New Orleans, LA.
 133. **Ellaway R**, Topps D, Lachapelle K, Joy A. 2011. Exploring Simulation Integration (podium presentation), IMSH, New Orleans, LA.
 134. **Ellaway R**, Topps M, Topps D. 2011. Digital professionalism: Avoiding the follies of friending and the tarnish of tweets. International Conference on Residency Education, Quebec City QC.
 135. Ritz S, **Ellaway R**, Beatty K. 2011. Advancing ‘Social Accountability’ Through Critical Literacy: How Can We Promote an Understanding of Power and Privilege in Medical Learners? 2011 Canadian Conference on Medical Education, Toronto, ON.
 136. Topps D, **Ellaway R**, Rose F, Piper J, Matthews L. 2011. Hockey Lines to enhance group participation in team-based simulation. RCPSC 2011 Simulation Summit, Montréal, QC.
 137. Topps D, Lockyer J, **Ellaway R**. 2011. Needs-based Personal Learning – Jumping Off a CLIFF (Clinical Learning Information Friendly Framework). 2011 Canadian Conference on Medical Education, Toronto.
 138. Tworek J* and **Ellaway R** 2011. Implementing a Digital Professionalism Framework. AMEE 2011, Vienna, Austria.
 139. **Ellaway R**, Topps D, Lachapelle K 2010. Designing learning activities for the Integrated and Distributed Simulation Cloud. AMEE, Glasgow, UK
 140. **Ellaway R** 2010. Cyborg Learners, Cyborg Teachers. GCEME Muster, Barossa, Australia.
 141. **Ellaway R**, Topps, D 2010. Simulation Distribution, Simulation Integration. GCEME Muster, Barossa, Australia.
 142. **Ellaway R**, Tworek J*, The Nguyen H, Topps, D 2010. Developing and Using Virtual Patients - games, narratives and designs. GCEME Muster, Barossa, Australia.
 143. **Ellaway R**, Tworek J*, The Nguyen H, Topps, D 2010. Developing and Using Virtual Patients – an introduction. GCEME Muster, Barossa, Australia.
 144. **Ellaway R** 2010. Virtual Patients for Assessment. Ottawa Conference. Miami, FL.
 145. **Ellaway RH** 2010. OpenLabyrinth: An Abstract Pathway-Based Serious Game Engine for Professional Education. 2010 IEEE International Conference on Digital Information Management (ICDIM), Thunder Bay, ON.
 146. **Ellaway RH**, Cooperstock, J, Spencer, B 2010. Simulation Integration for Healthcare Education, Training and Assessment. 2010 IEEE International Conference on Digital Information Management (ICDIM), Thunder Bay, ON.
 147. **Ellaway R**, Sanche, R, Symington, C, Topps, D. 2010. VERSE: workflows for Simulation and Virtual World Telemetry and Control. MedBiquitous/ICVP. London, UK.
 148. **Ellaway R**, Topps, D, Abourbih, J, James, S, Witham, R, Smith, A 2010. Analysing the Impacts of an Educational Intervention: a case study. Northern Health Research Conference. Sudbury, ON.
 149. **Ellaway R**, Topps, D, James, S, Winn, C, Berry, S, Witham, R 2010. Pathways for Interactive Narrative Education. CCME. St Johns, NF.

150. **Ellaway R**, Topps, D, MacDonald, J, Copeland, B, Olmos, A, Spencer, B 2010. HSVO: a Functional XML Specification for Integrating Simulation Devices. MedBiquitous/ICVP. London, UK.
151. **Ellaway R**. 2010. Creating and Using Branching Virtual Patients with OpenLabyrinth IMSH, Phoenix, AZ.
152. **Ellaway R**, Sanche, R. et al. 2010. Unlocking Second Life: Developing Virtual World Simulation Capability Using Free and Open Source Tools IMSH, Phoenix, AZ.
153. **Ellaway R**, Sanche, R. et al. 2010. VERSE: workflows for Simulation and Virtual World Telemetry and Control. MedBiquitous/ICVP. London, UK.
154. **Ellaway R**, Topps, D. et al. 2010. HSVO: a Functional XML Specification for Integrating Simulation Devices. MedBiquitous/ICVP. London, UK.
155. Helmer J, Topps D, **Ellaway R**. 2010. Analysis of video publication and collaboration approaches. AMEE, Glasgow, UK.
156. Lortie-Carlyle S, Kupsh C, Topps D, **Ellaway R**. 2010. Using Team Based Simulation to Break Down Interprofessional Silos: What is Our Role in Ensuring Positive Change? GCEMEM, Barossa, Australia.
157. Ritz S, **Ellaway R**, Baird J. 2010. Using a “Wiki” to Facilitate Faculty Collaboration in the Development of Vignettes for Student Assessment. CCME. St Johns, NF.
158. Sandars J, **Ellaway R**, Kennedy D. 2010. Cyborg Learners and Teachers – the challenge to medical education. AMEE, Glasgow, UK.
159. Topps D, **Ellaway R**, Kupsh C, Lortie-Carlyle S. 2010. Remote simulation teaching. GCEMEM, Barossa, Australia.
160. Topps D, Lachapelle K, Kupsh C, **Ellaway R**. 2010. Simulation for remote and distributed teaching, training and assessment. AMEE, Glasgow, UK.
161. Topps, D, **Ellaway R**. et al. 2010. Collaborative Simulation Networks in a Distributed Medical Education Environment. IMSH, Phoenix, AZ.
162. Tworek J* and **Ellaway R** 2010. Pre-technical Assessment of Virtual Patient Designs. MedBiquitous/ICVP. London, UK.
163. Tworek J*, **Ellaway R**, Topps D, Pennell S and Ryan R 2010. Designing Educational Experiences for Neomillennial Learners: Virtual Worlds to Support Complex Information Spaces in Medical Education. CCME. St Johns, NF.
164. Lachapelle, K, **Ellaway R**, et al. 2009. A simulation continuum: Integrating technology for teaching, learning, and remote simulation. Workshop. International Conference on Residency Education (ICRE). Victoria, BC.
165. Topps D. and **Ellaway RH**. 2009. Chapter and Verse: developing an education informatics research infrastructure. Northern Health Research Conference. Thunder Bay, ON.
166. **Ellaway R**, Topps D. 2009. Health Services Virtual Organization. Northern Health Research Conference. Thunder Bay, ON.
167. **Ellaway R**, Topps D, et al. 2009. Design Patterns in Case-based Education. Northern Health Research Conference. Thunder Bay, ON.
168. **Ellaway R**, Topps D. 2009. OpenLabyrinth: Developing Virtual Patient Narratives. EDUCAUSE, Denver, CO.
169. **Ellaway R**, Topps, D. 2009. Interfacing High Fidelity Mannequins with Web- Based Training. MedBiquitous Annual Meeting, Baltimore, MD.

170. **Ellaway R**, Topps, D. 2009. What Does That Mean? Author Selection Of Virtual Patient Metrics. MedBiquitous Annual Meeting, Baltimore, MD.
171. Topps, D, **Ellaway R**. 2009. Everything is 'Other': Praxis and Representation of ED2 Encounters. MedBiquitous Annual Meeting, Baltimore, MD.
172. **Ellaway R**, Topps D. 2008. The thigh bone's connected to the hip bone: SKELML and the development of KAMLs. MedBiquitous, Baltimore, MD.
173. **Ellaway R**, Topps D. 2009. edgware: Developing Next Generation Network Enabled Learning Environments. Canadian Conference on Medical Education; Edmonton, AB.
174. Topps D, **Ellaway R**. 2009. Everything is Other. Canadian Conference on Medical Education; Edmonton, AB.
175. Topps D, **Ellaway RH**, Matte, M, Barnstorf J. 2009. Praxis Practicalities. Canadian Conference on Medical Education; Edmonton, AB.
176. Topps D., Lortie-Carlyle, S., **Ellaway RH**, Rose F, Baird J. 2009. Collaborative Simulation Networks in a Distributed Medical Education Environment. Canadian Conference on Medical Education; Edmonton, AB.
177. **Ellaway R**, Topps D. 2008. Virtual Patients for Objective Performance Assessment. Northern Health Research Conference, North Bay, ON.
178. **Ellaway R**, Topps D., et al. 2008. Medium and Message: Surfacing an Informatics Curriculum in a Distributed MD Program. ICEMEN, Sudbury, ON.
179. McGee, J.B, **Ellaway R**, Smothers, V. 2008. Virtual Patients. Workshop, IAMSE, Salt Lake City, UT.
180. Miller, A, Campbell, C, Balasubramaniam, C, Bissell, A, **Ellaway R**, Poulton, T. 2008. Digital content in the academic medicine environment - exemplars from both sides of the pond. AMEE, Prague, Czech Republic.
181. Posel, N, McGee, JB, Albright, S, **Ellaway R**. 2008. From Theory to Practice: The Pedagogy of Creating Virtual Patients, Workshop, GEA at AAMC San Antonio, TX
182. Topps, D. and R. **Ellaway** 2008. PocketSnips. MedBiquitous, Baltimore, MA.
183. Topps, D. and R. **Ellaway** 2008. The Canadian Healthcare Education Commons. Northern Health Research Conference, North Bay, ON.
184. Topps, D, R. **Ellaway**, et al. 2008. Praxis: what happened? ICEMEN, Sudbury, ON.
185. Topps, D, R. **Ellaway**, et al. 2008. This Day has 22 Hours. ICEMEN, Sudbury, ON.
186. Tworek*, J, R. **Ellaway**, et al. 2008. The Canadian Healthcare Education Commons: _ Virtual Patient Cases and _ Canadian Medical Education. AFMC/CAME Annual Conference, Montréal, QC.
187. Smothers V, **Ellaway R**, Balasubramaniam C. 2008. eViP: sharing virtual patients across Europe. AMIA Annu Symp Proc 2008; Nov 6: p1140.
188. Dewhurst, D, Cromar, S. and **Ellaway R**. 2007. A new model for developing computer-based alternatives to using animals in tertiary education. Proceedings of the 6th World Congress on Alternatives & Animal Use in the Life Sciences, Tokyo, Japan, Japanese Society for Alternatives to Animal Experiments, Tokyo, Japan.
189. **Ellaway R**, Albright, S, McGee, J. and Candler, C. 2007. Unlocking the Power of Virtual Patients. AAMC/GEA 2007, Washington, DC.
190. **Ellaway R**, Sun, G. P, Sandars, J, Begg, M. and Cook, D. 2007. e-Learning v e-Teaching: autonomy or

- control? AMEE, Trondheim, Norway.
191. Poulton, T, Conradi, E, Fors, U, Fisher, M, Huwendiek, S, **Ellaway R**, Leng, B. d, Davies, D, Muntean, V. and Laidler, P. 2007. eViP: An EC-funded project to create a bank of multilingual, multicultural, virtual patients. AMEE 2007, Trondheim, Norway.
 192. McGee, J. B, **Ellaway R**, Greene, P. and Smothers, V. 2007. Working With the MedBiquitous Virtual Patient Standard. Slice of Life 2007, Salt Lake City, UT.
 193. **Ellaway R**, Begg, M. and Dewhurst, D. 2007. Daedalus: aiding the authoring process for virtual patients using game-informed learning principles. Slice of Life 2007, Salt Lake City, UT.
 194. **Ellaway R**, Begg, M. and Dewhurst, D. 2007. I'm melting! I'm melting! Web 2.0 and the Death of the VLE. Slice of Life 2007, Salt Lake City, UT
 195. Triola, M, Campion, N, McGee, J, Albright, S, Greene, P, Smothers, V. and **Ellaway R**. 2007. An XML Standard for Virtual Patients: Exchanging Case-Based Simulations in Medical Education. AMIA Annu Symp Proc. 2007, Chicago, IL.
 196. Begg, M, Ellaway R, Edgar, S. and Dewhurst, D. 2006. Approaching the case authoring process for the next generation of virtual patients, Symposium on Medical Interactive eLearning (SMILE) 2006, Sestri Levante, Italy.
 197. Bell, C, Rhind, S. and **Ellaway R**. 2006. The R(D)SVS Curriculum Mapping Project. AVTRW, Scarborough, UK.
 198. Cockram, M, Aitchison, K, Begg, M, Muirhead, R, Hodgson-Jones, L, **Ellaway R**, Scott, P, Eisler, M. and Rhind, S. 2006. The virtual farm – enhancing veterinary education. AMEE 2006, Genova, Italy.
 199. Cumming, A, **Ellaway R**. and Ross, M. 2006. Tuning Task Force of the MEDINE Thematic Network. AMEE 2006, Genova, Italy.
 200. **Ellaway R**. 2006. ACETS: Assemble, Catalogue, Exemplify, Test and Share. MedBiquitous 2006, Baltimore, MD.
 201. **Ellaway R**. 2006. Labyrinth. AMEE 2006, Genova, Italy.
 202. **Ellaway R**. 2006. The Impact of the UK Thematic Network in Medicine, Dentistry and Veterinary Medicine. Thematic Networks 2006, Stockholm, Sweden.
 203. **Ellaway R**. 2006. Towards a Scottish Professional Healthcare Portfolio. NHS Education Scotland Portfolios Conference, Edinburgh, UK.
 204. **Ellaway R**. 2006. Weaving the 'e's Together to Support the Learner, MedBiquitous 2006, Baltimore, MD.
 205. **Ellaway R**. and Begg, M. 2006. Constructive Alignment and the Integration of e-Learning into the Curriculum, Symposium on Medical Interactive eLearning (SMILE) 2006, Sestri Levante, Italy.
 206. **Ellaway R**. and McGee, J. B. 2006. Virtual Patients. Slice of Life Conference 2006, Lausanne, Switzerland.
 207. **Ellaway R**, Cameron, H. and Ross, M. 2006. Towards a Clinical Commons, SLICE. Slice of Life Conference 2006, Lausanne, Switzerland.
 208. **Ellaway R**, Begg, M. and Dewhurst, D. 2006. Enterprise-Level but Programme-Specific approaches to e-Learning Provision in Healthcare Education. Slice of Life Conference 2006, Lausanne, Switzerland.
 209. **Ellaway R**, Cameron, H. and Ross, M. 2006. A clinical commons for using and exchanging clinical recordings for use in academic non- clinical settings, Symposium on Medical Interactive eLearning (SMILE) 2006, Sestri Levante, Italy

210. **Ellaway R**, Cameron, H. and Ross, M. 2006. CHERRI Sharing Clinical Recordings for Non-clinical Educational Use. MedBiquitous 2006 Conference, Baltimore, MD.
211. **Ellaway R**, Cameron, H. and Ross, M. 2006. Clinical Recordings for Academic Non-clinical Settings. Edinburgh, UK, JISC.
212. **Ellaway R**, Candler, C, Greene, P. and Smothers, V. 2006. An Architectural Model for MedBiquitous Virtual Patients. MedBiquitous 2006 Conference, Baltimore, MD.
213. **Ellaway R**, Evans, P, McKillop, J, Cameron, H, Morrison, J, McKenzie, H, Mires, G, Pippard, M, Simpson, J, Cumming, A, Harden, R. and Guild, S. 2006. A tool for cross-referencing the Scottish Doctor and Tomorrow's Doctors outcome frameworks, AMEE 2006, Genova, Italy.
214. **Ellaway R**, Fors, U. and McGee, J. B. 2006. Virtual Patients. MedBiquitous 2006 Conference, Baltimore, MD.
215. **Ellaway R**, Rhind, S, Dewhurst, D, McConnell, G. and Jones, T. 2006. Constructive Alignment of the Edinburgh Online Veterinary Learning Environment. AVTRW 2006 Conference, Scarborough, UK.
216. **Ellaway R**, Warren, P, Bell, C, Evans, P. and Rhind, S. 2006. OPAL (Outcomes for Personal and Adaptive Learning), AMEE 2006, Genova, Italy.
217. Greene, P. and **Ellaway R**. 2006. The significance of standards in e-learning - the MedBiquitous experience. Symposium on Medical Interactive eLearning (SMILE) 2006, Sestri Levante, Italy.
218. Smothers, V, **Ellaway R**, Candler, C, McGee, J. B. and Greene, P. 2006. Exchanging, adapting, and reusing virtual patients: the MedBiquitous Virtual Patient Architecture. Symposium on Medical Interactive eLearning (SMILE) 2006, Sestri Levante, Italy.
219. Warren, P. M, Evans, P, Cameron, H. E. and **Ellaway R**. 2006. Mapping the medical curriculum: the Edinburgh experience. ASME 2006 Conference, Aberdeen, UK.
220. Reid, WA; Fox, S; **Ellaway R**; et al.2006. Development of web-based interactive pathology computer-assisted learning programs (PathCAL). 189th Meeting of the Pathological Society of Great Britain and Ireland, Cambridge, UK. Journal Of Pathology. 208(S): p11A.
221. Begg, M, Bradshaw, J. and **Ellaway R**. 2005. Edinburgh Electronic Postgraduate Portfolio (EePoP). ALT-C 2005, Manchester, UK.
222. Begg, M, Scollay, J. M, Dalziel, L, **Ellaway R**, Cameron, H. S. and Parks, R. W. 2005. The Online System for Clinical Assessment - an alternative to OSCE. AMEE 2005, Amsterdam, NL.
223. **Ellaway R**. 2005. A quick overview of current activities in e-Learning in Medicine and Veterinary Medicine. University of Edinburgh e-Learning Conference 2005, Edinburgh, UK.
224. **Ellaway R**. 2005. ACETS and the 'Semi-structured Learning Design Statement'. UNFOLD, Berlin, Germany.
225. **Ellaway R**. and Dewhurst, D. 2005. Evaluating VLEs: Problems and Solutions. ED-MEDIA, Montreal, QC.
226. **Ellaway R**. and Dewhurst, D. 2005. Many to Many: Object-Based Managed Learning Environments. Slice of Life, Portland, OR.
227. **Ellaway R**, Begg, M, Dewhurst, D. and MacLeod, H. 2005. In a Glass Darkly: identity, agency and the role of the learning technologist in shaping the learning environment. ICE2, Cumbria, UK.
228. **Ellaway R**, Dewhurst, D. and Cromar, S. 2005. RECAL: Architecting Teaching Materials for the Future. ED-MEDIA, Montreal, Canada.
229. **Ellaway R**, Dewhurst, D, Leeder, D, Allen, T, Hardy, S. and Baxter, M. Q. 2005. Learning Objects and

- Reuse: What Really Happens? ASME, Newcastle upon Tyne, UK.
230. **Ellaway** R, Dewhurst, D, Leeder, D, Allen, T, Hardy, S. and Baxter, M. Q. 2005. RLO Reality Check: the ACETS Project. ED-MEDIA, Montreal, Canada.
 231. **Ellaway** R, Dewhurst, D, Leeder, D, Allen, T, Hardy, S. and Baxter, M. Q. 2005. What Just Happened – Stories from the Reusability Frontline. Slice of Life, Portland, OR.
 232. **Ellaway** R, Dewhurst, D, Leeder, D, Hardy, S. and Mills, E. 2005. Recycled learning objects: the ACETS project. AMEE 2005, Amsterdam, NL.
 233. **Ellaway** R, Hardy, S. and Mills, E. 2005. Using the ACETS Semi-structured Learning Design Statement. CETIS Pedagogy Forum, Newcastle-upon-Tyne, UK.
 234. Fox, S, **Ellaway** R, Dewhurst, D. and Begg, M. 2005. Less is More: enabling mass and rapid development of learning materials in healthcare subjects. ALT-C 2005, Manchester, UK.
 235. **Ellaway** R. 2004. Learning Outcomes and e-Learning in Medicine. e-Learning Results Conference, Sestri-Levante, Italy.
 236. **Ellaway** R, Begg, M. and Fox, S. 2004. Building the Next Generation of Online Environments for Learning Communities in Healthcare Education. AMEE 2005. Edinburgh, UK.
 237. **Ellaway** R, Dewhurst, D. and Cromar, S. 2004. “Do not go gently”: using standards-driven component technologies to save CAL materials from a lingering death. Slice of Life, Leiden, NL.
 238. Dozier, M, Yewdall, S, **Ellaway** R. and Cameron, H. 2003. A Medline objective structured clinical examination (OSCE) for undergraduate medical students. ASME, Edinburgh, UK.
 239. **Ellaway** R, Dewhurst, D. and Cameron, H. 2003. Developing critical approaches to the impact of technology in medical education. ASME, Edinburgh, UK.
 240. **Ellaway** R, Dewhurst, D. and Cumming, A. 2003. Virtual Learning Environments and Communities of Practice. AMEE, Bern, Switzerland.
 241. **Ellaway** R, Dewhurst, D. and Leeder, D. 2003. Assemble, Catalogue, Exemplify, Test and Share: the ACETS Project. AMEE, Bern, Switzerland.
 242. **Ellaway** R, Haig, A. and Dozier, M. 2003. In METRO-land: developing a controlled vocabulary for medical education conference. AMEE, Bern, Switzerland.
 243. Leeder, D. and **Ellaway** R. 2003. ACETS - taking a pedagogical approach to using learning objects. ASME, Edinburgh, UK.
 244. Wylde, K, **Ellaway** R, Cumming, A. and Cameron, H. 2003. A new online rapid response student feedback system to aid curriculum development. ASME, Edinburgh, UK.
 245. Wylde, K, **Ellaway** R, Cumming, A. and Cameron, H. 2003. Electronic submission and delivery of student feedback. AMEE, Bern, Switzerland.
 246. **Ellaway** R and Dewhurst, D 2002. The Reusable Learning Object. SRHE conference, Glasgow, UK.
 247. **Ellaway** R, Cameron, H and Dewhurst, D 2002. A Framework for Analysing Determinism in Educational Practice when Using Learning Technology. ALT-C, Sunderland, UK.
 248. **Ellaway** R, Cameron, H, Dewhurst, D and Young, A 2002. An electronic portfolio: managing document-based reflective learning and assessment across a 5 year medical program. Ottawa Conference, Ottawa, ON.
 249. **Ellaway** R, Dewhurst, D, Cumming, A, Cameron, H, Broadhurst, J 2002. Using Technology to Support Clinical Skills Training. Ottawa Conference, Ottawa, ON.

250. **Ellaway R**, Dewhurst, D, Cameron, H 2002. Do no harm: revealing technological determinism in educational practice. SRHE conference, Glasgow, UK.
251. **Ellaway R**, Moge N, Alexander W 2002. Locating Service Provision in an Organisational Context: a framework for exploring the orientation of educational services. SRHE conference, Glasgow, UK.
252. **Ellaway R**, Reid W, Dewhurst D, Fox S 2002. Online pathology teaching grows up: developing a reusable learning object model for delivering teaching resources. Ottawa Conference, Ottawa, ON.
253. Warren P, **Ellaway R** and Evans, P 2002. Meet George... Using learning technology in a 'blended' approach to enhance the integration of knowledge and understanding across a 5-year medical course. ASME, Norwich, UK.
254. Moge,N, **Ellaway R** and Alexander, W. 2002. The cube and the advantages of assimilation. Proceedings of the 2002 ASCILITE Conference, Auckland, NZ.
255. **Ellaway RH**, Dewhurst DG, Douglas P. 2001. Matching a VLE to a Highly Complex and Interconnected Undergraduate Medical Curriculum. CAL 2001, University of Warwick, UK.
256. **Ellaway RH**, Dewhurst DG, Douglas P. 2001. The Difference that Makes the Difference: challenging the generic VLE course model. ALT-C 2001 Conference, Edinburgh, UK.
257. **Ellaway RH**, Moge, N and Alexander, W 2001. Learning Technology Development and Deployment: exploring the influence of the orientation and alignment of learning technology services within an institution. ALT-C 2001 Conference, Edinburgh, UK.
258. **Ellaway RH**, Dewhurst DG, Douglas P, Cumming A, Evans P, Cameron H 2001. The Edinburgh Electronic Medical Curriculum - scaffolding medical education with a virtual learning environment. ASME 2001, Dublin, Eire.
259. **Ellaway R**, Cameron H, Ramdin L, Dewhurst D, Cumming A 2001. The virtual OSCE - clinical skills development through combined practical and computer-mediated training and assessment. ASME Conference, Dublin, Eire.

X. PUBLICATIONS

*(students marked *)*

Peer reviewed manuscripts:

1. **Ellaway RH**, O'Brien B, Sherbino J, Maggio LA, Artino AR, Nimmon L, Park YS, Young M, Thomas A. (2024) Is there a Problem with Evidence in Health Professions Education? Academic Medicine. Accepted, in press.
2. Pusic M, **Ellaway RH**. 2023. Researching Models of Innovation and Adoption in Health Professions Education. Medical Education. doi: 10.1111/medu.15161. Online ahead of print.
3. Thomas A, **Ellaway RH**. 2023. Whose problem is it anyway? Confronting myths of 'problems' in health professions education. Medical Education. 57(8):706-711.
4. Wyatt T, Ma TL, **Ellaway RH**. 2023. Physician Resistance to Social Injustice: A Scoping Review. Social Science and Medicine. 320: 115727: <https://doi.org/10.1016/j.socscimed.2023.115727>
5. Cleland J, Mcleod A, **Ellaway RH**. 2023. CARDA: Guiding document analyses in health professions education research. Medical Education. 57(5):406-417.

6. Myles SM*, Wenghofer EF, **Ellaway RH**, Yeo MT. 2022. Ontario Family Physicians' Perspectives About their Scope of Practice: What is it, What Drives it and How Does it Change? *BMC Primary Care*. 23(1):251.
7. **Ellaway RH**, Thompson NL*, Temple-Oberle C, Pacaud D, Frecker H, Jablonski TJ, Demers J, Mattatall F, Raiche J, Hull A, Jalil R. 2022. An undergraduate medical curriculum framework for providing care to transgender and gender diverse patients: A modified Delphi study. *Perspectives on Medical Education*. 11(1):36-44.
8. Gottlieb D, Chan T, Zaver F*, **Ellaway RH**. 2022. Confidence-Competence Alignment and the Role of Self-Confidence in Medical Education. *Medical Education*. 56(1):37-47.
9. **Ellaway RH**, Wyatt T. 2022. When I Say ... Resistance. *Medical Education*. 56(10):970-971.
10. Thomas A, **Ellaway RH**. 2021. Rethinking Implementation Science for Health Professional Education: A manifesto for change. *Perspectives on Medical Education*. 10(6):362-368.
11. Cleland J, Mcleod A, **Ellaway RH**. 2021. The curious case of case study research. *Medical Education*. 55(10); 1131-1141
12. Thoma B, **Ellaway RH**, Chan T. 2021. From Utopia through Dystopia: Charting a Course for Learning Analytics in Competency-Based Medical Education. *Academic Medicine*. 96(7S):S89-S95.
13. **Ellaway RH**, Wyatt T. 2021. What Role Should Resistance Play in Training Health Professionals? *Academic Medicine*. 96(11);1524-1528.
14. Teunissen PW, Watling C, Schrewe B, Topps M, Asgarova S, Myers K, **Ellaway RH**. 2021. Contextual Competence: how residents develop competent performance in new settings. *Medical Education*. 55(9): 1100-1109
15. Brown A*, Hecker K, Bok H, **Ellaway R**. 2021. Strange bedfellows: exploring methodological intersections between realist inquiry and structural equation modeling. *Journal of Mixed Methods Research*. <https://doi.org/10.1177/1558689820970692>
16. Varpio L, **Ellaway RH**. 2021. Shaping our worldviews: a conversation about and of theory. *Adv Health Sci Educ Theory Pract*. 26(1):339-345.
17. Horsley T, Steinert Y, Leslie K, Oswald A, Friesen F, **Ellaway RH**. 2020. The use of BEME reviews in the medical education literature. *Medical Teacher*. 42(10):1171-1178.
18. Keren D*, Lockyer J, Kelly M, Chick N, **Ellaway RH**. 2020. In our own time: medical students' informal social studying and learning. *Teaching and Learning in Medicine*. 32(4):353-361
19. de Visser A*, Hatfield J, **Ellaway RH**, Buchner D, Seni J, Nambi Najjuma J, Hollaar G. 2020. Global Health Electives: Ethical Engagement in Building Global Health Capacity. *Medical Teacher*. 42(6):628-35.
20. MacLeod A, **Ellaway RH**, Paradis E, Park YS, Rees C, Young M, Varpio L. 2020. Being Edgy in Health Professions Education: Concluding the Philosophy of Science Series. *Academic Medicine*. 95(7):995-8.
21. **Ellaway RH**, Kehoe A, Illing J. 2020. Critical Realism and Realist Inquiry in Medical Education. *Academic Medicine*. 95(7):984-8.
22. **Ellaway RH**. 2020. Postmodernism and Medical Education. *Academic Medicine*. 95(6):856-9.
23. Roze des Ordons AL*, MacIsaac L, Hui J, Everson J, **Ellaway RH**. 2019. Compassion in the clinical context: constrained, distributed and adaptive. *Journal of General Internal Medicine*. 35(1):198-206.s
24. Kelly M, **Ellaway RH**, Scherpbier A, King N, Dornan T. 2019. Body pedagogics: embodied learning

- for the health professions. *Medical Education*. 53(10):967-977.
25. Smith DM*, Ramesh S*, Smith MK*, Jensen A*, **Ellaway RH**. 2019. The Calgary Student Run Clinic in Context: A Mixed-Methods Case Study. *Canadian Medical Education Journal*: 10(3):e27-e38
 26. Roze des Ordons AL*, MacIsaac L, Everson J, Hui J, **Ellaway RH**. 2019. A pattern language of compassion in intensive care and palliative care contexts. *BMC Palliative Care*: 18:15.
 27. Stergiopoulos E*, **Ellaway RH**, Nahiddi N*, Martimianakis MA. 2019. A lexicon of concepts of humanistic medicine. *Academic Medicine*; 94(7):1019-1026.
 28. **Ellaway RH**, Malhi R, Woloshuk W, de Groot J, Doig C, Myhre D. 2019. An axiological case study of a medical school's admissions values. *Academic Medicine*; 94(8):1229-1236.
 29. Bates J, Teunissen P, Schrewe B, **Ellaway R**, Watling C. 2019. Embracing standardization and contextualization in medical education. *Medical Education*; 53(1):15-24.
 30. **Ellaway RH**, Topps D, Pusic M. 2019. Data, big and small: emerging challenges to medical education scholarship. *Academic Medicine*; 94(1):31-36.
 31. Kelly M, **Ellaway RH**, Reid H, Ganshorn H, Yardley S, Bennett D, Dornan T. 2018. Considering axiological integrity: a methodological analysis of qualitative evidence syntheses and its implications for health professions education. *Advances in Health Sciences Education*. 23(4):833-851.
 32. Wozniak H, **Ellaway RH**, de Jong PGM. 2018. What have we learned about using digital technologies in health professional education? *Medical Journal of Australia*; 209 (10): 431-433.
 33. Schrewe B, **Ellaway RH**, Watling C, Bates J. 2018. The contextual curriculum: Learning in and from the matrix. *Academic Medicine*; 93(11):1645-1651.
 34. **Ellaway RH**, Palacios Mackay M, Lee S, Hofmeister M, Malin G, Archibald D, Lawrence K, Dogba J, Côté L, Ross S. 2018. The impact of a national competency-based medical education initiative in family medicine. *Academic Medicine*, 93(12):1850-1857.
 35. Cheng A, Calhoun A, Topps D, Adler MD, **Ellaway R**. 2018. Using the METRICS model for defining routes to scholarship in healthcare simulation. *Medical Teacher*, 40(7):652-660.
 36. **Ellaway RH**, Topps D. 2017. METRICS: a pattern language of scholarship in medical education. *MedEdPublish*; 1305 – <https://mededpublish.org/articles/6-199>
 37. **Ellaway RH**, Malhi R, Bajaj S, Walker I, Myhre D. 2018. A critical scoping review of the connections between social mission and medical school admissions: BEME Guide No. 47. *Medical Teacher*;40(3):219-226.
 38. **Ellaway RH**, Van Roy K, Preston R, Greenhill J, Clithero A, Elsanousi S, Richards J, Labarda C, Graves L, Mammen M, Assayed AA, Willems S. 2018. Translating medical school social missions to student experiences. *Medical Education*; 52(2):171-181.
 39. Kalet A, Chou CL, **Ellaway RH**. 2017. To fail is human: remediating remediation in medical education. *Perspectives on Medical Education*; 6(6):418-424.
 40. **Ellaway RH**, Bates J, Teunissen PW. 2017. Ecological theories of systems and contextual change in medical education. *Medical Education*; 51(12):1250-1259.
 41. Haber J*, **Ellaway RH**, Chun R, Lockyer J. 2017. Exploring anesthesiologists' understanding of situational awareness: a qualitative study. *Canadian Journal of Anesthesia*, 64(8):810-819.
 42. **Ellaway RH**, Chou CL, Kalet AL. 2017. Situating remediation: accommodating success and failure in medical education systems. *Academic Medicine*; 93(3):391-398.

43. Keren D*, **Ellaway RH**, Lockyer J. 2017. Social studying and learning among medical students: a scoping review. *Perspectives on Medical Education*; 6(5):311-318.
44. **Ellaway RH**, Dubé T, Cooper G, Graves L. 2017. Resetting the compass: hidden curricula of orientation to a distributed, community-engaged medical school. *Canadian Medical Education Journal*, 24;8(1):e88-e100.
45. **Ellaway RH**. 2017. Moral agency and the medical education researcher. *Medical Education*. 51(1):3–5.
46. **Ellaway RH**. 2016. A conceptual framework of game-informed principles for health professions education. *Advances in Simulation*; 1:28.
47. **Ellaway RH**, Topps D, Topps M. 2016. Where do physicians start and end? *Medical Education* 50(12): 1224-1226.
48. Schrewe B, Bates J, **Ellaway RH**, Pratt D, Watling C. 2016. The Cross-Canada Quintet Presents: Variations on Music: Movements in the Keys of H, P, & E. *Medical Education* 50(12):1229-1232.
49. **Ellaway RH**, Graves L, Cummings BA. Dimensions of integration, continuity and longitudinality in clinical clerkships. *Med Educ*. 2016;50(9):912-21.
50. Bates J, **Ellaway RH**. 2016. Mapping the dark matter of context: a conceptual scoping review. *Medical Education* 50(8):807–816.
51. Masters K, **Ellaway RH**, Topps D, Archibald D, Hogue RJ. 2016. AMEE Guide 105: Mobile technologies in medical education. *Medical Teacher* 38(6):537-49.
52. **Ellaway RH**, Bates J. 2015. Exploring patterns and pattern languages of medical education. *Medical Education* 49(12):1189-96.
53. **Ellaway RH**, O’Gorman L*, Strasser R, Marsh DC, Graves L, Fink P, Cervin C. 2016. A critical hybrid realist-outcomes systematic review of relationships between medical education programmes and communities: BEME Guide No. 35. *Medical Teacher* 38(3):229-45.
54. Topps M, **Ellaway RH**, Baron T, Peek A. 2015. The best of both worlds: resident experiences of urban and regional contexts in a hybrid pediatrics residency program. *Journal of Graduate Medical Education* 7(4):560-6.
55. Cook DA, **Ellaway RH**. 2015. Evaluating Technology-Enhanced Learning: A Comprehensive Framework. *Medical Teacher* 37(10):961-70.
56. Strasser R, Worley P, Cristobal F, Marsh DC, Berry S, Strasser S, **Ellaway RH**. 2015. Putting communities in the Driving Seat: the realities of Community Engaged Medical Education. *Academic Medicine*, 90(11):1466-70.
57. **Ellaway RH**, Coral J*, Topps D, Topps MH. 2015. Exploring digital professionalism. *Medical Teacher* 37(9):844-9.
58. Woodham LA, **Ellaway RH**, Round J, Vaughan S, Poulton T, Zary N. 2015. Medical students’ perceptions of different media in interactive online virtual patients for problem-based learning. *Journal of Medical Internet Research*, 17(6): e151.
59. **Ellaway RH**, Topps D, Lee S, Armson H. 2015. Virtual patient activity patterns for clinical learning. *Clinical Teacher* 12(4);267–271.
60. Whitehead C, Kuper A, Hodges B, **Ellaway RH**. 2015. Conceptual and practical challenges in the assessment of physician competencies. *Medical Teacher* 37(3):245-51.
61. Topps DA, **Ellaway RH**, Kupsh CC. 2015. Hockey lines for simulation-based learning. *Clinical*

- Teacher,12(3):161-164.
62. Larkins S, Michielsen K, Iputo J, Elsanousi S, Mammen M, Graves L, Willems S, Cristobal FL, Samson R, **Ellaway RH**, Ross S, Johnston K, Derese A, Neusy AJ. 2015. Impact of selection strategies on representation of underserved populations and intention to practice: findings from a network of medical schools pursuing social accountability. *Medical Education*, 49(1);60-72.
 63. Yavner SD, Pusic MV, Kalet AL, Song H, Hopkins MA, Nick M, **Ellaway RH**. 2015. Twelve Tips for Improving the Effectiveness of Web-based multimedia instruction for Clinical Learners. *Medical Teacher*, 37(3):239-44.
 64. **Ellaway RH**, Poulton T, Jivram T. 2015. Decision PBL: a 4-year retrospective of using virtual patients in problem-based learning. *Medical Teacher*, 7(10):926-34.
 65. Poulton T, **Ellaway RH**, Round J, Jivram T, Kavia S, Hilton S. 2014. The impact on exam performance of replacing linear paper-based patient cases in problem-based learning with decision-based virtual patients. *Journal of Medical Internet Research*, 16(11):e240.
 66. Ritz SA, Beatty K, **Ellaway RH**. 2014. Accounting for social accountability: Developing critiques of social accountability within medical education. *Education for Health*, 27(2):152-157.
 67. **Ellaway RH**. 2014 Virtual patients as activities: exploring the research implications of an activity theoretical stance. *Perspectives on Medical Education* 3(4):266-77.
 68. **Ellaway RH**, Bates A*, Girard S*, Buitenhuis D*, Lee K*, Warton A*, Russell S*, Caines J*, Traficante E*, Graves L. 2014. Exploring the consequences of mixing students with varying biomedical science backgrounds. *Medical Education* 48(7): 674–686.
 69. **Ellaway RH**, Cooper G, Al-Idrissi T, Dubé T, Graves L. 2014. Discourses of Student Orientation to Medical Education Programs. *Medical Education Online*, 19: #23714 – online at <http://dx.doi.org/10.3402/meo.v19.23714>
 70. **Ellaway RH**, Pusic M, Yavner S, Kalet A. 2014. Context matters: emergent variability in an effectiveness trial of online teaching modules. *Medical Education* 48(4): 386–96.
 71. **Ellaway RH**, Albright S, Smothers V, Cameron T, Willett T. 2014. Curriculum Inventory: modeling, sharing and comparing medical education programs. *Medical Teacher* 36(3):208-15.
 72. **Ellaway RH**, Pusic M, Galbraith RM, Cameron T. 2014. Developing the role of big data and analytics in Medical Education. *Medical Teacher* 36(3):216-22.
 73. **Ellaway RH**. 2014. When I say ... epistemic curiosity. *Medical Education* 48(2):113-4.
 74. **Ellaway RH**, Fink P, Campbell A, Graves L. 2013. Left to their own devices: medical learners' use of mobile technologies. *Medical Teacher* 36(2):130–8.
 75. **Ellaway RH**, Graves L, Berry S, Myhre D, Cummings BA, Konkin J. 2013. Twelve tips for designing and running Longitudinal Integrated Clerkships. *Medical Teacher* 35(12):989-95.
 76. **Ellaway RH**, Graves L, Greene P. 2013. Medical Education in an electronic health record mediated world. *Medical Teacher* 35(4); pp282-6.
 77. Sarpel U, Hopkins MA, More F, Yavner S, Pusic M, Nick MW, Song H, **Ellaway RH**, Kalet AL. 2013. Medical students as human subjects in educational research. *Medical Education Online*, 18: 19524 - <http://dx.doi.org/10.3402/meo.v18i0.19524>
 78. Kalet A, **Ellaway RH**, Song H, Nick M, Sarpel U, Hopkins M, Hill J, Plass J, Pusic M. 2013 Factors influencing medical student attrition and their implications in a large multi-center randomized education trial. *Advances in Health Science Education* 18(3):439-50.

79. Topps D, **Ellaway** R, Helmer J. 2012. YouTube as a Platform for Publishing Clinical Skills Videos. *Academic Medicine*, 88(2):192-97.
80. Beatty K, Strasser R, Graves L, **Ellaway** RH. 2012. Accreditation Collaborative: a systems approach to institutional accountability. *Medical Education* 46(11):1123-4.
81. **Ellaway** R 2011. Reflecting on multimedia design principles in medical education. *Medical Education* 45(8):766-7.
82. **Ellaway** RH, Davies D 2011. Design for Learning: Deconstructing Virtual Patient Activities. *Medical Teacher* 33(4):303-10.
83. **Ellaway** R 2011. E-learning: Is the revolution over? *Medical Teacher* 33(4):297-302.
84. Amin Z, Boulet J, Cook D, **Ellaway** R, Fahal A, Kneebone R, Maley M, Ostergaard D, Ponnamperna G, Wearn A, Ziv A. 2011. Technology-Enabled Assessment of Health Professions Education. *Medical Teacher* 33(5):364-9.
85. **Ellaway** R, Topps, D, MacDonald, J, Copeland, B, Olmos, A and Spencer, B 2010. HSVO: A Functional XML Specification for Integrating Simulation Devices. *Bio-Algorithms and Med-Systems* 6(11):47-51.
86. **Ellaway** R, Sanche, R, Symington, C and Topps, D 2010. VERSE: Workflows for Simulation and Virtual World Telemetry and Control. *Bio-Algorithms and Med-Systems*. 6(11):81-4.
87. **Ellaway** RH 2010. OpenLabyrinth: An Abstract Pathway-Based Serious Game Engine for Professional Education. *Proceedings of the 2010 IEEE International Conference on Digital Information Management (ICDIM):490-495.*
88. **Ellaway** RH, Cooperstock, J, Spencer, B 2010. Simulation Integration for Healthcare Education, Training and Assessment. *Proceedings of the 2010 IEEE International Conference on Digital Information Management (ICDIM):484-489.*
89. Sweet, J and **Ellaway** R 2010. Reuse as heuristic: from transmission to nurture in learning activity design. *Innovations in Education and Teaching International* 47:215-22.
90. **Ellaway** R. 2010. The AMEE Fringe, the antidote for PowerPoint poisoning. *Medical Teacher* 32(2):108-112.
91. Tworek J*, **Ellaway** R. 2010. Pre-Technical Assessment of Virtual Patient Designs. *Bio-Algorithms and Med-Systems* 6(11), 2010, p14.
92. **Ellaway** R, Topps D. 2009. Rethinking fidelity, cognition and strategy: medical simulation as gaming narratives. *Studies in Health Technology and Informatics*. 142:82-87.
93. **Ellaway** R, Topps D, Lachapelle K, Cooperstock J. 2009. Integrating simulation devices and systems. *Studies in Health Technology and Informatics*. 142:88-90.
94. Topps D, Evans RJ, Thistlethwaite JE, Nan Tie R, **Ellaway** RH. 2009. The one minute mentor: a pilot study assessing medical students' and residents' professional behaviours through recordings of clinical preceptors' immediate feedback. *Educ Health*; 22(1): Epub 2009 May 8.
95. **Ellaway** R, Kneebone, R, Lachapelle, K, Topps D. 2009. Connecting and combining simulation modalities for integrated teaching, learning and assessment. *Medical Teacher* 31(8):725-31.
96. **Ellaway** RH, Poulton T, Smothers V, Greene P. 2009. Virtual Patients Come of Age. *Medical Teacher* 31(8):683-4.
97. Round J, Conradi E, Poulton T, **Ellaway** R. 2009. Training staff to create simple interactive Virtual Patients, the Impact on a medical and healthcare institution. *Medical Teacher* 31;764-9. (an error

- omitted my name on the official author listing).
98. Huwendiek S, deLeng B, Zary N, Ruiz J, **Ellaway R**. 2009. Towards a Typology of Virtual Patients. *Medical Teacher* 31(8):743-8.
 99. Bell C, **Ellaway R**, Rhind S. 2009. Getting Started with Curriculum Mapping in a Veterinary Degree Program. *J Vet Med Educ* 36:100-106.
 100. Topps D, Helmer J, Carter L, Kupsh C, Witham R, McMillan-Boyles C, Piccinin L, **Ellaway R**, Duff-Cloutier J, Campbell C, Hart B. 2009. PocketSnips: Health Education, Technology, and Teamwork. *Journal of Distance Education* 23(2):147-55.
 101. **Ellaway R**, Dalziel J, Dalziel B. 2008. Learning Design in Healthcare Education. *Medical Teacher* 30(2):180-4.
 102. **Ellaway R**, Martin RD. 2008. What's Mine Is Yours - Open Source as a New Paradigm for Sustainable Healthcare Education. *Medical Teacher* 30(2):175-9.
 103. **Ellaway R**, Masters K. 2008. AMEE Guide 32: e-Learning in medical education Part 1: Learning, teaching and assessment. *Medical Teacher* 30(5):455-73.
 104. Masters K, **Ellaway R**. 2008. AMEE Guide 32: e-Learning in medical education Part 2: Technology, management and design. *Medical Teacher* 30(5):474-89.
 105. **Ellaway R**, Poulton T, Fors U, McGee JB, Albright S. 2008. Building a Virtual Patient Commons. *Medical Teacher* 30(2):170-4.
 106. Smothers, V, **Ellaway R** and Greene, P. 2008. The E-learning evolution-leveraging new technology approaches to advance healthcare education. *Medical Teacher* 30(2):117-8.
 107. Smothers V, Greene P, **Ellaway R**, Detmer D. 2008. Sharing innovation: the case for technology standards in health professions education. *Medical Teacher* 30(2):150-4.
 108. Begg M, **Ellaway R**, Dewhurst D, Macleod H. 2007. Transforming Professional Healthcare Narratives into Structured Game-Informed-Learning Activities. *Innovate* 3(6).
 109. **Ellaway R**, Evans, P, McKillop, J, Cameron, H, Morrison, J, McKenzie, H, Mires, G, Pippard, M, Simpson, J, Cumming, A, Harden, R. and Guild, S. 2007. Cross-referencing the “Scottish Doctor” and “Tomorrow’s Doctors” learning outcome frameworks. *Medical Teacher* 29(7):630 – 35.
 110. **Ellaway R**. 2006. Weaving the ‘e’s Together. *Medical Teacher* 28(7):587-90.
 111. **Ellaway R**, Begg, M, Dewhurst, D. and MacLeod, H. 2006. In a Glass Darkly: identity, agency and the role of the learning technologist in shaping the learning environment. *E-Learning* 3(1):75-87.
 112. Dewhurst D, **Ellaway R**, Cromar S. 2006. ReCAL-preserving traditional computer-based learning materials in pharmacology. *Acta Pharmacologica Sinica*; 27(S1); 447.
 113. Maxwell, SRJ, McQueen, D.S. and **Ellaway R**. 2006. eDrug: a dynamic interactive electronic drug formulary for medical students. *British Journal of Clinical Pharmacology* 62(6):673-81.
 114. Begg, M, **Ellaway R**, Dewhurst, D. and Macleod, H. 2006. Virtual Patients: considerations of narrative and game play Digital Game Based Learning: Proceedings of the 4th International Symposium for Information Design Burmester, M, Gerhard, D. and Thissen, F. Karlsruhe, Germany, Universitätsverlag Karlsruhe:101-13.
 115. **Ellaway R**, Dewhurst D, Cromar S. 2005. RECAL: creating computer-based alternatives using a sustainable learning objects approach. ALTEX: Alternativen zu Tierexperimenten; Special Issue for the 5th World Congress on Alternatives and Animal Use in the Life Sciences, Berlin, Germany Theme1, Session 1.2:16.

116. **Ellaway R**, Pettigrew G, Rhind S, Dewhurst D. 2005. The Edinburgh Electronic Veterinary Curriculum: An Online Program-Wide Learning and Support Environment for Veterinary Education. *Journal of Veterinary Medical Education* 32(1):38-46.
117. **Ellaway R**, Dewhurst D, Cromar S. 2004. Challenging the Mortality of Computer Assisted Learning Materials in the Life Sciences: The RECAL Project. *Bioscience Education E-journal* 3.
118. **Ellaway R**, Dewhurst D, McLeod H. 2004. Evaluating a virtual learning environment in the context of its community of practice. *ALT-J, Research in Learning Technology*, 12(2): 125-145.
119. Haig A, **Ellaway R**, Dozier M, Liu D, McKendree J. 2004. METRO the creation of a taxonomy for medical education. *Health Information & Libraries J* 21(4): 211-219.
120. Turner AN, **Ellaway R**, Yewdall S. 2004. Teaching web authoring: valuable skills, paperless courses. *Medical Teacher* 26(4): 333-335.
121. **Ellaway R**, Dewhurst D, Cumming A. 2003. Managing and supporting medical education with a virtual learning environment - the Edinburgh Electronic Medical Curriculum. *Medical Teacher* 25(4): 372-380.
122. Alexander W, Broadhurst J. **Ellaway R**. 2003. Meeting Across the Metadata Divide. *Assignment* 21(1): 13-16.
123. Moge N, **Ellaway R**, Alexander W. 2002. The cube and the advantages of assimilation. Proceedings of the 2002 ASCILITE Conference, Auckland, NZ. Paper online at <http://www.ascilite.org/conferences/auckland02/proceedings/papers/018.pdf>

Peer reviewed protocols

Ellaway RH, Myhre D, Bajaj S, Walker I. 2016. Best Evidence Medical Education (BEME) systematic review protocol for “Social Accountability in Medical School Admissions (SAMSA)” online at [http://bemecollaboration.org/downloads/2516/Social%20Accountability%20in%20Medical%20School%20Admissions%20\(SAMSA\)%20FINAL.pdf](http://bemecollaboration.org/downloads/2516/Social%20Accountability%20in%20Medical%20School%20Admissions%20(SAMSA)%20FINAL.pdf)

Ellaway RH, Strasser R, Graves L, Marsh D, Cervin C, Fink P. 2012. Best Evidence Medical Education (BEME) systematic review protocol for “Community Engaged Medical Education: Systematic Thematic Reviews (CEMESTR)” online at http://www.bemecollaboration.org/downloads/1342/CEMESTR_WEB.pdf

Non-peer reviewed manuscripts

Columns

The following were published in my eMedical Teacher column in *Medical Teacher* between 2007 and 2014:

1. **Ellaway R**. 2014. Medical education and the war with the machines. *Medical Teacher*: 36(10):917-8.
2. **Ellaway R**. 2014. Ahistorical perspectives on educational technologies. *Medical Teacher*: 36(9):828-30.
3. **Ellaway R**. 2014. Panoptic, synoptic, and omnoptic surveillance. *Medical Teacher*: 36(6):547-9.
4. **Ellaway R**. 2014. Skunkworks. *Medical Teacher*: 36(4):362-4.
5. **Ellaway R**. 2014. Best possible or best available? *Medical Teacher*: 36(2):183-5.
6. **Ellaway R**. 2014. The informal and hidden curricula of mobile device use in medical education. *Medical Teacher*: 36(1):89-91.
7. **Ellaway R**. 2013. Turning a ‘human factors’ lens on medical education. *Medical Teacher*: 35(12):1057-9.

8. **Ellaway R.** 2013. Scholarship in an age of big data. *Medical Teacher*: 35(7):613-5.
9. **Ellaway R.** 2013. Cheating and the new moral compass. *Medical Teacher*. 35(6):526-8.
10. **Ellaway R.** 2013. Educational Technology is a Process. *Medical Teacher*: 35(5):426-8.
11. **Ellaway R.** 2012. In loco docentis. *Medical Teacher* 34(10):871-4.
12. **Ellaway R.** 2012. Educational Methods, Educational Systems. *Medical Teacher* 34(5):428-30.
13. **Ellaway R.** 2012. On your own with everyone else. *Medical Teacher* 34(3):259-61.
14. **Ellaway R.** 2011. The Unbearable Rightness of Innovation. *Medical Teacher* 33(12):1038-40.
15. **Ellaway R.** 2011. Everything is Simulation. *Medical Teacher* 33(11):954-5.
16. **Ellaway R.** 2011. Makers. *Medical Teacher* 33(10):865-7.
17. **Ellaway R.** 2011. Social Accountability in a Digital World. *Medical Teacher* 33(8):688-90.
18. **Ellaway R.** 2011. Cyberinfrastructure. *Medical Teacher* 33(7):596-8.
19. **Ellaway R.** 2011. Authenticity. *Medical Teacher* 33(6):510-2.
20. **Ellaway R.** 2011. Value Networks. *Medical Teacher* 33(5):428-30.
21. **Ellaway R.** 2011. The Digital Null. *Medical Teacher* 33(4):342-4.
22. **Ellaway R.** 2011. Apps. *Medical Teacher* 33(3):258-60.
23. **Ellaway R.** 2011. Economies of Presence. *Medical Teacher* 33(2):173-5.
24. **Ellaway R.** 2011. Is it ok to say 'no'? *Medical Teacher* 33(1):88-90.
25. **Ellaway R.** 2010. Myths. *Medical Teacher* 32(12):1012-4.
26. **Ellaway R.** 2010. Augmented Realities. *Medical Teacher* 32(9):791-793.
27. **Ellaway R.** 2010. Digital Professionalism. *Medical Teacher* 32(8):705-7.
28. **Ellaway R.** 2010. Automagical. *Medical Teacher* 32(7):621-3.
29. **Ellaway R.** 2010. Cybernetics just keeps feeding back. *Medical Teacher* 32(6):540-2.
30. **Ellaway R.** 2010. Flour Babies and Robots. *Medical Teacher* 32(5):445-7.
31. **Ellaway R.** 2010. Remember and Forget. *Medical Teacher* 32(4):350-1.
32. **Ellaway R.** 2010. Cyborg Medical Education. *Medical Teacher* 32(3):273-5.
33. **Ellaway R, Topps D.** 2010. Thermodynamics of Learning. *Medical Teacher* 32(2):186-8.
34. **Ellaway R.** 2010. Apples and Architraves: a Descriptive Framework for e-Learning Research. *Medical Teacher* 32(1):95-7.
35. **Ellaway R.** 2009. Internal Simulation, Internal Interactivity. *Medical Teacher* 31(12):1099-1100.
36. **Ellaway R.** 2009. Simulation and Dissimulation. *Medical Teacher* 31(11):1042-3.
37. **Ellaway R.** 2009. An Aesthetics of Technology-Mediated Medical Education. *Medical Teacher* 31(10):962-963.
38. **Ellaway R.** 2009. Video, video, video. *Medical Teacher* 31(9):875-7.
39. **Ellaway R.** 2009. Crossing the DMZ: Evidence and Opinion Based Practice. *Medical Teacher* 31(8):784-5.
40. **Ellaway R.** 2009. Information Ecologies in Medical Education. *Medical Teacher* 31(7):677-9.

41. **Ellaway R.** 2009. Optics on eAssessment. *Medical Teacher* 31(6): TBC
42. **Ellaway R.** 2009. Ethics of Everywhere. *Medical Teacher* 31(5):468-70.
43. **Ellaway R.** 2009. The Power of Context. *Medical Teacher* 31(4):382-3.
44. **Ellaway R.** 2009. I'm not myself today. *Medical Teacher* 31(3):274-6.
45. **Ellaway R.** 2009. Portfolio Design Notation. *Medical Teacher* 31(2): TBC
46. **Ellaway R.** 2009. Life in the Cloud. *Medical Teacher* 31(1):72-3.
47. **Ellaway R.** 2008. Simple is. *Medical Teacher* 30(9&10):894-5.
48. **Ellaway R.** 2008. Distributed Medical eTeaching. *Medical Teacher* 30(8):828-9.
49. **Ellaway R.** 2008. The Children of Memex. *Medical Teacher* 30(7):734-5.
50. **Ellaway R.** 2008. Can you guess who it is yet? *Medical Teacher* 30(6):648-9.
51. **Ellaway R.** 2008. Living in a Non-Rivalrous World. *Medical Teacher* 30(5):551-2.
52. **Ellaway R.** 2008. Everyone's an Informatician! *Medical Teacher* 30(4):450-1.
53. **Ellaway R.** 2008. Nomothesis. *Medical Teacher* 30(3):342-3.
54. **Ellaway R.** 2008. We are the Borg. *Medical Teacher* 30(2):226-7.
55. **Ellaway R.** 2008. "What I meant was ..." - the power of Use Cases. *Medical Teacher* 30(1):112-3.
56. **Ellaway R.** 2007. eMedical Teaching, Narrative and Play. *Medical Teacher* 29(9/10):1001-2.
57. **Ellaway R.** 2007. Your FaceBook or Mine? *Medical Teacher* 29(8):849-50.
58. **Ellaway R.** 2007. Educational Technology as Mirror and Spotlight. *Medical Teacher* 29(7):728-9.
59. **Ellaway R.** 2007. Hippocratic and Ecological e-Teaching. *Medical Teacher* 29(6).
60. **Ellaway R.** 2007. Don't be a Boiled Frog. *Medical Teacher* 29(5):519-20.
61. **Ellaway R.** 2007. Patterns of educational technology adoption and use. *Medical Teacher* 29(4):420-421.
62. **Ellaway R.** 2007. Wikis and Medical Education. *Medical Teacher* 29(2/3):291-2.
63. **Ellaway R.** 2007. Is Tiny More? *Medical Teacher* 29(1):75-6.
64. **Ellaway R.** 2007. e's and PLEs. *Medical Teacher* 28(8):751-2.

Editorials, commentaries, letters

1. **Ellaway RH.** 2023. Trust, but verify (editorial). *Adv Health Sci Educ Theory Pract.* 28(5): in press.
2. **Ellaway RH.** 2023. Disclaimers (editorial). *Adv Health Sci Educ Theory Pract.* 28(4):1017-1021
3. **Ellaway RH, Tolsgaard M.** 2023. Artificial scholarship: LLMs in health professions education research (editorial). *Adv Health Sci Educ Theory Pract.* 28(3):659-664.
4. **Ellaway RH.** 2023. Inattention in health professions education scholarship (editorial). *Adv Health Sci Educ Theory Pract.* 2023;28(2):319-322.
5. Kassam A, Lord J, **Ellaway RH.** 2023. Making sense of competency-based medical education (letter). *Medical Teacher.* 45(7):793.
6. **Ellaway RH.** 2023. How much is enough? (editorial). *Adv Health Sci Educ Theory Pract.* 28(1):1-5.
7. Wyatt T, **Ellaway RH.** 2023. On the Importance of Professional Resistance (letter). *Academic Medicine.* 98(10):1101-1102.

8. **Ellaway RH**. 2023. Hiding in Plain Sight: Response to Clement et al. on ‘noticing’ (letter). *Medical Education*. 57(6):595..
9. Roze des Ordon A*, **Ellaway RH**, Eppich W. 2022. The many spaces of psychological safety in health professions education (commentary). *Medical Education*. 56(11):1060-1063.
10. O’Sullivan P, **Ellaway RH**. 2022. This is the first ... (editorial). *Adv Health Sci Educ Theory Pract*. 27(4).
11. **Ellaway RH**. 2022. The Quest for Normality. (editorial). *Adv Health Sci Educ Theory Pract*. 27(3).
12. **Ellaway RH**, Hecker K. 2022. What role does basic research have in an applied field? (editorial). *Adv Health Sci Educ Theory Pract*. 27(2).
13. **Ellaway RH**. 2022. Academic Standards. (editorial). *Adv Health Sci Educ Theory Pract*. 27(1).
14. **Ellaway RH**. 2021. Patients! (editorial). *Adv Health Sci Educ Theory Pract*. 26(5).
15. **Ellaway RH**. 2021. Language games and scholarly writing (editorial). *Adv Health Sci Educ Theory Pract*. 26(4).
16. **Ellaway RH**. 2021. Disaster scholarship (editorial). *Adv Health Sci Educ Theory Pract*. 26(3).
17. **Ellaway RH**. 2021. Attending to the logics of inquiry (editorial). *Adv Health Sci Educ Theory Pract*. 26(2).
18. **Ellaway RH**. 2021. Theoriophobia, theoriophilia (editorial). *Adv Health Sci Educ Theory Pract*. 26(1).
19. **Ellaway RH**, Tolsgaard M, Martimianakis T. 2020. What divides and what unites us? (editorial). *Adv Health Sci Educ Theory Pract*. 25(5).
20. **Ellaway RH**. 2020. Mixed methods, crimes, and misdemeanours (editorial). *Adv Health Sci Educ Theory Pract*. 25(4); 777-779.
21. Tolsgaard M, Cleland J, Wilkinson T, **Ellaway RH**. 2020. How we make choices and sacrifices in medical education during the COVID-19 pandemic (commentary). *Medical Teacher*. 42(7):741-743.
22. **Ellaway RH**, Tolsgaard M, Norman G. 2020. Peer review is not a lottery: AHSE’s Fast Track (editorial). *Adv Health Sci Educ Theory Pract*. 25(3); 519–521.
23. **Ellaway RH**, Cleland J, Tolsgaard M. 2020. What we learn in time of pestilence (editorial). *Adv Health Sci Educ Theory Pract*. 25(2).
24. D’Eon M, **Ellaway RH**, Martimianakis M, Dubé T. 2020. Medical education post COVID-19 (editorial). Canadian Science Policy Centre, online at <https://sciencepolicy.ca/news/medical-education-post-covid-19>
25. Norman G, **Ellaway RH**. 2020. Hold the front page! (editorial). *Adv Health Sci Educ Theory Pract*. 25(1).
26. Kassam A, **Ellaway RH**. 2019. Acknowledging a Holistic Framework for Learner Wellness: The Human Capabilities Approach. *Academic Medicine*: 2020; 95(1); 9-10 (letter).
27. Tolsgaard MG, **Ellaway R**, Woods N, Norman G. 2019. Salami-slicing and plagiarism: How should we respond? (editorial) *Adv Health Sci Educ Theory Pract*. 2019;24(1):3-14.
28. **Ellaway RH**. 2019. The hidden curriculum: taxonomic dilemmas and pattern languages. (letter). *Academic Medicine*. 94(1):10-11.
29. **Ellaway R**, Bates J. 2018. Distributed medical education in Canada (editorial). *CMEJ* 2018, 9(1):e1-5.
30. **Ellaway RH**. 2016. CanMEDS is a theory (editorial). *Advances in Health Science Education*, 21(5):915-7.

31. **Ellaway RH.** 2016. Ideology and health professional education scholarship (editorial). *Advances in Health Science Education*, 21(3):501–3.
32. **Ellaway RH.** 2016. Medium, message, panopticon: the electronic health record in residency education (commentary). *Journal of Graduate Medical Education*, 8(1):104-5.
33. **Ellaway RH.** 2014. Challenges of synthesizing medical education research (editorial). *BMC Medicine*; 12:193.
34. **Ellaway RH,** Pusic M, Galbraith RM, Cameron T. 2014 Authors' response to a letter to the Editor regarding: Developing the role of big data and analytics in Medical Education. *Medical Teacher* (online first).
35. **Ellaway RH,** Fink P, Campbell A, Graves L. 2014 Authors' response to a letter to the Editor regarding: Left to their own devices: medical learners' use of mobile technologies. *Medical Teacher* 36(8):738.
36. Topps D, **Ellaway R,** Helmer J. 2013. In reply: YouTube as a Platform for Publishing Clinical Skills Videos. *Academic Medicine* 88(9); 1195.
37. Smothers V, Davis N, **Ellaway R.** 2013. Supporting Learners in a Technology Mediated World (editorial). *Medical Teacher.* 35(4); 271.
38. **Ellaway R.** 2012. What's not to LIC? (commentary). *Advances in Health Science Education.* 18(1);135-138.

Reports

1. **Ellaway RH.** Palacios Mackay M, Leduc C, Lee S, Archibald D, Raman M, Wycliffe-Jones K, Norcini J. 2021. Aligning Programs and Systems of Assessment: Seeking Constructive Alignment in Systems of Assessment (SCASA) Project Report. National Board of Medical Examiners, Edward J Stemler Medical Education Research Fund.
2. **Ellaway R.** 2021. Contextual Competence: A white paper for the MCC. University of Calgary, May 2021.
3. Rawling J, Cullen M, Topps D, **Ellaway R.** 2021. Situational Judgement Testing (SJT) in Licentiate Assessment in Canada: A white paper for the MCC. University of Calgary, May 2021.
4. **Ellaway R.** 2019. The Office of Health and Medical Education Scholarship. Health and Medical Education Scholarship in Calgary: 2019-2024. Calgary, AB: The University of Calgary.
5. Palacios Mackay MF, **Ellaway RH,** Oddone Paolucci E, Lee S. 2019. Needs Assessment of Training for Educational Leaders in Family Medicine (NATEL-FM). Commissioned by the College of Family Physicians of Canada, Ottawa, ON.
6. Palacios Mackay MF, **Ellaway RH,** Hofmeister M, Lee S, Finlay JL. 2016. Qualitative Understanding and Evaluation Study of Triple C. Commissioned by the College of Family Physicians of Canada, Ottawa, ON.
7. Myhre D, **Ellaway RH,** Topps M. 2016. Parallel Rural Community Curriculum (PRCC) Impact Study. Commissioned by Flinders Medical School, Adelaide, South Australia.
8. Cooke L, Myhre D, Beattie T, Kurz E, Topps M, Coderre S, Hatfield J, DeGroot J, **Ellaway R,** Lockyer J. 2016. Precision Education for Tomorrow. The Cumming School of Medicine, University of Calgary.
9. **Ellaway RH,** Martimianakis T, Nahiddi N, Stergiopoulos E. 2015. A discursive lexicon for the AMS Phoenix Project. AMS Phoenix Project, Toronto, ON, November 2015.
10. Beaupré P, Bhyat R, **Ellaway R,** Farrell G, Gold I, Hayward R, Ho K, Hurley K, Littleford J, Ross G,

- Zelmer J, Contant C, Peirce C, Shore B, Charlebois M. 2012. Environmental Scan of e-Health in Undergraduate Medical Curriculum: Key Informant Interviews and Survey Report. Association of Faculties of Medicine of Canada (AFMC), Ottawa, ON.
11. Beupré P, Bhyat R, **Ellaway** R, Farrell G, Gold I, Hayward R, Ho K, Hurley K, Littleford J, Ross G, Zelmer J, Contant C, Peirce C, Shore B, Charlebois M. 2012. Environmental Scan of e-Health in Undergraduate Medical Curriculum: Review of the Literature, Competencies and Standards. Association of Faculties of Medicine of Canada (AFMC), Ottawa, ON.
 12. Graves L, **Ellaway** R, Strasser R. 2012. Northern Ontario School of Medicine. In 'A Snapshot of the New and Developing Medical Schools in the United States and Canada'. Association of American Medical Colleges (AAMC), Washington, DC; pp108-111.
 13. **Ellaway** R, Topps M, Barr T. 2011. Information and Educational Technology in Postgraduate Medical Education. Future of Medical Education in Canada (FMEC) Postgraduate Project.
 14. Bates J, Frost H, Schrewe B, Jamieson J, **Ellaway** R. 2011. Distributed Education and Distance Learning In PGME. Future of Medical Education in Canada (FMEC) Postgraduate Project.
 15. **Ellaway** R. 2011. Independent Evaluation Report on "Renewing the Curriculum to More Effectively Accommodate Clinical Rotation". Commissioned by Macquarie University and the University of Western Sydney for an Australian Learning & Teaching Council (ALTC) funded project.
 16. **Ellaway** R, Topps D. (eds) 2011. Expanding Simulation. Northern Ontario School of Medicine, Sudbury, Ontario.
 17. **Ellaway** R, Lanphear J 2010. Medical Education for the Future - GCEME Muster Synopsis Report. GCEME Muster, Barossa, Australia.
 18. **Ellaway** R, Cameron H, Ross M, Laurie G, Maxwell M, Pratt R. 2006. Clinical Recordings for Academic Non-clinical Settings: CHERRI Project Report. JISC/University of Edinburgh.
 19. **Ellaway** R, Dewhurst D, Mills E, Hardy S, Leeder D. 2005. ACETS: Assemble, Catalogue, Exemplify, Test and Share. The Higher Education Academy Subject Centre for Medicine, Dentistry and Veterinary Medicine, Newcastle-upon-Tyne.

Technical standards

1. **Ellaway** R and Smothers V. 2013. ANSI/MEDBIQ CI.10.1-2013 Curriculum Inventory Specifications. MedBiquitous, Baltimore, MD. Online at <http://www.medbiq.org/sites/default/files/files/CurriculumInventorySpecification.pdf>
2. Smothers V, Azan B, **Ellaway** R 2010. ANSI /MEDBIQ VP.10.1-2010 MedBiquitous Virtual Patient Specifications and Description Document. MedBiquitous, Baltimore, MD. Online at http://www.medbiq.org/working_groups/virtual_patient/VirtualPatientDataSpecification.pdf
3. **Ellaway** R, Candler C, Greene P, Smothers V. 2006. An Architectural Model for MedBiquitous Virtual Patients. MedBiquitous White Paper. MedBiquitous, Baltimore MD. Online at <http://groups.medbiq.org/medbiq/display/VPWG/MedBiquitous+Virtual+Patient+Architecture>

Competency and outcome frameworks

1. **Ellaway** R, Hayward R, Ho K, Hurley K, Littleford J. eHealth competencies for undergraduate medical education. 2014. eHealth Competencies for Undergraduate Medical Education. Association of Faculties of Medicine of Canada and Canada Health Infoway, Ottawa, ON. Online at: https://chec-cesc.afmc.ca/sites/all/files/resource_files/eHealth%20Competencies%20for%20UME.pdf

2. Ho K, **Ellaway R**, Littleford J, Hayward R, Hurley K. eHealth competencies for postgraduate medical education: 2014. The CanMEDS 2015 eHealth Expert Working Group Report. Royal College of Physicians and Surgeons of Canada, Ottawa, ON. Online at: http://www.royalcollege.ca/portal/page/portal/rc/common/documents/canmeds/framework/ehealth_ewg_report_e.pdf
3. McKillop J, Simpson J, Evans P, **Ellaway R**, Cameron H, Cumming A, Gibbs T, Guild S, Harden R, McKenzie H, Mires G, Morrison J, Pippard M, Dowie A. 2007. Learning Outcomes for the Medical Undergraduate in Scotland: A Foundation for Competent and Reflective Practitioners - 3rd Edition. Scottish Deans' Medical Curriculum Group, Dundee, Scotland - August 2007. Online at <http://www.scottishdoctor.org/resources/scottishdoctor3.doc>

Books

1. Bleakley A, Eichbaum Q, **Ellaway RH**. Metahumanity: new perspectives on metacognition in medical work. Routledge: 2025.
2. **Ellaway RH**. Pattern (in development). A methodological treatise expanding on Alexander's concepts of pattern languages to establish an empirical and procedurally robust approach to using pattern analysis in the social sciences.
3. **Ellaway RH**, Topps DA. Augmentation: changing capabilities in Teaching and Learning in Higher Education (in development). An expansive treatise on the many ways in which augmentation (both adding to and subtracting from human capabilities) can be and is being used in higher education.
4. **Ellaway RH**, Topps DA. Decision and Consequence: Designing and Using Dynamic Educational Cases (in development). An historical reprise and education design book based around Open Labyrinth, the path and consequence-based learning platform I originally developed in the early 2000s.
5. **Ellaway RH**. The logics of medical education (in early development). An analytical approach to the logics that underly systems of medical education, how these logics can be used to identify inconsistencies, and how, as a methodology, logics can be used to support system improvements.
6. **Ellaway RH**. Alignment and medical education (in planning).
7. Kassam A, Razack S, **Ellaway RH**. Ethics of Medical Education (in planning).

Books, chapter

1. **Ellaway RH**. 2023. Plumbers, Visitors, or Citizens? Contested Elision and Identity among Health Professions Para-educators. In: A Cast of Thousands: The Invisible Workers of Medical Education. MacLeod A, Varpio L. (eds.). Waukesha, WI: Ten|16 Press.
2. **Ellaway RH**. 2023. Foundations? In: Rees-Sidhu C, Gordon L, O'Brien B, Monrouxe L, Palermo C (eds.). Foundations of Health Professions Education Research: A Practical Guide. Hoboken, NJ: Wiley-Blackwell: ix-xi.
3. **Ellaway RH**. 2022. Researching technology use in medical education. In: Cleland J, Durning S. Research in Medical Education, 2nd Edition. Wiley: 61-70.
4. **Ellaway RH**. 2021. Remediation: the measure of a profession. In: Kalet A, Chou C. Remediation in Medical Education, 2nd Edition. Springer.
5. **Ellaway RH**. 2021. Digital Technologies in Medical Education. In: A Practical Guide for Medical Teachers (6e). Dent J, Harden R, Hunt D (Eds). Edinburgh, UK: Churchill Livingstone: 171-178.

6. **Ellaway R** 2019. Activity designs for professional learning. In: Design for Learning: rethinking pedagogy for the digital age (3e). Beetham, H. and Sharpe, R. (Eds). Routledge: 188-203.
7. Bates J, **Ellaway RH**, Watling C. 2018. The Influence of workplace context on learning and teaching. In: Delany C Molloy E (Eds). Learning and Teaching in Clinical Contexts: A practical guide. Edinburgh, UK: Elsevier: 85-101.
8. **Ellaway RH**. 2018. Technology-enhanced learning. In: Swanwick T (Ed). Understanding Medical Education (3e). Oxford, UK: Wiley-Blackwell: 139-50.
9. **Ellaway RH**. 2017. The use of technology in medical education. In: Agarwal AK (Ed). Teaching skills for healthcare educators. Edinburgh, UK: Churchill-Livingstone - in press.
10. **Ellaway RH**. 2017. Using Digital Technologies. In: A Practical Guide for Medical Teachers (5e). Dent J, Harden R, Hunt D (Eds). Edinburgh, UK: Churchill Livingstone – 152-161.
11. Topps D, **Ellaway RH**, Topps M. 2017. Using activity data and analytics to address medical education's social contract. In Shachak, Borycki, Reis (Eds.). Health Professionals' Education in the Age of Clinical Information Systems, Mobile Computing and Social Networks. Edinburgh UK, Elsevier: 453-470.
12. Bokser S, Smith B, Alegria D, **Ellaway RH**. 2015. Information Technology. In: Poncelet A, Hirsh D (Eds). Longitudinal Integrated Clerkships (LICs): principles, outcomes, practical tools and future directions. Omaha, NE: Alliance for Clinical Education: 147-56.
13. Tworek J*, **Ellaway R**, Dornan T. 2013. Large Group Teaching. In: Walsh, K (Ed). The Oxford Textbook of Medical Education. Oxford, UK: Oxford University Press: 163-73.
14. **Ellaway RH**. 2013. Digital Medical Education. In: A Practical Guide for Medical Teachers (4e). Dent J, Harden R (Eds). Edinburgh, UK, Churchill Livingstone: 221-30.
15. **Ellaway R** 2013. Activity designs for professional learning. In: Design for Learning: rethinking pedagogy for the digital age (2e). Beetham, H. and Sharpe, R. (Eds). Routledge: 188-203.
16. Amin Z, Boulet JR, Cook D A, **Ellaway R**, Fahal A, Kneebone R, Maley M, Ostergaard D, Ponnampereuma G, Wearn A, Ziv A. 2013. In: Technology-Enabled Assessment of Health Professions Education. In International Best Practices for Evaluation in the Health Professions. McGaghie, W (Ed). Oxford, UK, Radcliffe Publishing: 45-58.
17. **Ellaway R**, Tworek J*. 2012. The Net Generation Illusion: challenging conformance to social expectations. In 'Teaching and Learning with the Net Generation: Concepts and Tools for Reaching Digital Learners', Ferris, SP (Ed), Chicago, IL: IPG Publishing: 324-39.
18. Begg M, **Ellaway R**, Dewhurst D, Macleod H. 2011. Logos and Mythos: The Political Dilemmas of Web 2.0 in an Accreditation-Driven Educational Environment. Digital Difference: Perspectives on Online Learning. Land, R. and Bayne, S. Rotterdam, NL: Sense: 73-82.
19. **Ellaway R**. 2010. Developing Learning Resources. In Dornan T, Mann K, Scherpbier A, Spencer J (Eds). Medical Education: Theory and Practice. Edinburgh, UK; Elsevier: 265-82.
20. Dornan, T, **Ellaway R**. 2010. Teaching and learning in large groups. In Medical Education: Theory and Practice. T. Dornan, K. Mann, A. Scherpbier and J. Spencer (Eds). Edinburgh, Elsevier; 157-70.
21. **Ellaway R**, Topps D 2010. Preparing for Practice: Issues in Virtual Medical Education. Emerging Ethical Issues of Life in Virtual Worlds. C. Wankel and S. Malleck. Charlotte, Information Age Publishing: 101-117.
22. Martin CM, Biswas R, Sturmberg JP, Topps D, **Ellaway R**, Smith K 2010. Patient Journey Record Systems (PaJR) for Preventing Ambulatory Care Sensitive Conditions: A Developmental Framework. In

- 'User-Driven Healthcare and Narrative Medicine', Biswas R, Martin C (Eds). Hershey, PA; IGI Global: 93-112
23. **Ellaway R. H.** 2009. E-learning and e-teaching. In *A Practical Guide for Medical Teachers* (3rd Ed). Dent, J. & Harden, R. (Eds) Edinburgh, UK, Churchill Livingstone: 229-37.
 24. **Ellaway RH, Topps D** 2009. Healthcare Education Informatics. In *A Practical Guide for Medical Teachers* (3rd Ed). Dent, J. & Harden, R. (Eds) Edinburgh, UK, Churchill Livingstone:238-45.
 25. **Ellaway R.** 2007. *Discipline Based Designs for Learning: The Example of Professional and Vocational Education. Design for Learning: rethinking pedagogy for the digital age.* Beetham, H. and Sharpe, R, Routledge:153-65.
 26. **Ellaway R, Cameron, H, Ross, M, Laurie, G, Maxwell, M. and Pratt, R.** 2007. Towards a Clinical Commons: using clinical recordings in academic non-clinical settings. In: *Digital Images in Education: Realising the Vision.* Carpenter, L, Milloy, C, Estelle, L. and Williams, J. (Eds). London, UK; JISC Collections. Online at: https://www.jisc-collections.ac.uk/Documents/Publications/images_book_final_lo.pdf
 27. McConnell, S, **Ellaway R, Dewhurst, D. and Haywood, J.** 2006. Lessons Learned from the Pilot Implementation of a Learning Object Repository in a Large UK University. *OCLC Systems & Services: International Digital Library Perspectives.*
 28. de la Varre, C, **Ellaway R. and Dewhurst, D.** 2005. Analysis of the large-scale use of online discussion boards in a blended learning environment. *Exploring the frontiers of e-learning: borders, outposts and migration.* Cook, J. and Whitelock, D. Manchester, UK, ALT:86-97.
 29. Dewhurst, D. and **Ellaway R.** 2005. *Virtual Learning Environments. Practical Guide for Medical Teaching* (2nd Ed). Dent, J. and Harden, R. (Eds), Churchill Livingstone: 201-10.

Abstracts - published

1. Dewhurst D, **Ellaway R, Fox S.** 2001. An Interactive Computer-Assisted Learning Program (CAL) to Teach Foundation Level Respiratory Physiology to Undergraduate Students. *Proceedings of the Western Pharmacology Society* 44, 258.
2. Dewhurst D, **Ellaway R, Douglas P.** 2001. Implementing Virtual Learning Environment (VLE) for a University Medical Curriculum. *Proceedings of the Western Pharmacology Society* 44, 279.
3. Findlater F, Shaw J, **Ellaway R, Dewhurst D.** 2000. An interactive multimedia computer-assisted learning program to teach basic anatomy and mechanical function of the respiratory system to medical students. *British Journal Of Pharmacology*, 131;U71.

Communications – other

1. Rawling, J., Cullen, M., Topps, D., & Ellaway, R. (2021). *Situational Judgement Testing (SJT) in Licentiate Assessment in Canada* (V1 ed.). Calgary, AB, Canada: Scholars Portal Dataverse. <https://doi.org/doi:10.5683/SP3/81OZWO>
2. Topps D, Wirun C, **Ellaway RH.** 2019. Getting Value from Open Educational Repositories. ResearchGate - DOI: 10.15694/mep.2019.000121.1
3. Topps D, **Ellaway RH, Greer G.** 2019. PiHPES Project: broadened perspectives on learning analytics. ResearchGate - https://www.researchgate.net/publication/332755030_PiHPES_Project_broadened_perspectives_on_learning_analytics

4. Topps D, **Ellaway RH**, Corral J. 2018. Agile Writing for Busy Clinical Educators. ResearchGate - DOI: 10.15694/mep.2019.000140.1
5. Topps D, Armson H, Mehta A, **Ellaway RH**. 2017. How to use and create a 4R (Rapid Reporting of Real-time Results) report in OpenLabyrinth. ResearchGate - DOI: 10.13140/RG.2.2.36717.18409
6. **Ellaway RH**, Malhi R, Bajaj S, Walker I, Myhre D. 2017. BEME Spotlight 47: A critical scoping review of the connections between social mission and medical school admissions: BEME Guide No. 47. BEME Collaboration, Dundee, UK. Online at: <https://bemecollaboration.org/Published+Reviews/BEME+Guide+No+47/>
7. **Ellaway RH**, O’Gorman L, Strasser R, Marsh DC, Graves L, Fink P, Cervin C. 2016. BEME Spotlight 35: A critical hybrid realist-outcomes systematic review of relationships between medical education programmes and communities: BEME Guide No. 35. BEME Collaboration, Dundee, UK. Online at: <https://bemecollaboration.org/downloads/2623/Ellaway%20Spotlight.pdf>
8. Osmosis Blog interview, July 18, 2014. Leaders in Medical Education: **Dr. Rachel Ellaway**, Northern Ontario School of Medicine. Online at <http://blog.osmosis.org/2014/07/leaders-in-medical-education-dr-rachel-ellaway.html>
9. **Ellaway R**. 2013 Polite Anger. Blog for AMS Phoenix Project - <http://theamsphoenix.ca/blog/?p=10>
10. **Ellaway R**. 2012. Digital Professionalism. The Higher Education Academy Subject Centre for Medicine, Dentistry and Veterinary Medicine Newsletter, 01.23, p28-29.
11. **Ellaway R**, **Tworek J**. 2011. Digital Professionalism. AAMC GIR Member Viewpoint. Online at https://www.aamc.org/members/gir/253674/viewpoint_july_11.html
12. **Ellaway R**. 2009. Synthetic Spaces for Learning and Teaching. GRAVITAS (AFMC) 42(3): p6.
13. Martin C, Smith K, **Ellaway R**, Topps D, Biswas R, Sturmberg J. 2009. The patient journey record for complex care. Swiss Medical Weekly, 139(33-34); p53S.
14. **Ellaway R**. 2009. Patterns in E-Learning Standards and Specifications. ACM eLearn. The Association for Computing Machinery. <https://elearnmag.acm.org/archive.cfm?aid=1595438>
15. Smothers V, **Ellaway R** 2008. Conference report: The MedBiquitous annual conference 2008: Transforming healthcare education, Baltimore, Maryland, USA. The Higher Education Academy Subject Centre for Medicine, Dentistry and Veterinary Medicine Newsletter, 01.17, p23.
16. **Ellaway R**, Candler C, Greene P, Smothers V. 2006. An Architectural Model for MedBiquitous Virtual Patients. Baltimore, MD, MedBiquitous.
17. **Ellaway R**, Dewhurst D. 2006. The virtual hospital online. The Higher Education Academy Subject Centre for Medicine, Dentistry and Veterinary Medicine Newsletter, 01.10, p4-6.
18. **Ellaway R**, Dewhurst D. 2006. Conference report: ACETS Symposium. The Higher Education Academy Subject Centre for Medicine, Dentistry and Veterinary Medicine Newsletter, 01.10, p7.
19. **Ellaway R**, Cameron H, Ross M. 2006. Using CRANCS. The Higher Education Academy Subject Centre for Medicine, Dentistry and Veterinary Medicine Newsletter, 01.10, p16-17.
20. **Ellaway R**. 2004. Modelling Virtual Patients and Virtual Cases. MELD, MedBiquitous, Baltimore, MD.
21. **Ellaway R**, Hammick M. 2004. Take-home messages from AMEE 2004 in Edinburgh. Medical Teacher, 26(8), 739-742
22. **Ellaway R**. 2003. Towards a federated learning environment. The Higher Education Academy Subject Centre for Medicine, Dentistry and Veterinary Medicine Newsletter, 01.3, p29.
23. Haig A and **Ellaway R**. 2003. Miniproject perspective: The Medical Education Taxonomy/Thesaurus

Research Organisation. The Higher Education Academy Subject Centre for Medicine, Dentistry and Veterinary Medicine Newsletter, 01.2, p17.

24. **Ellaway R**, Dewhurst D, Leeder D. 2003. X4L in action: ACETS and the reusable learning object. The Higher Education Academy Subject Centre for Medicine, Dentistry and Veterinary Medicine Newsletter, 01.1, p18-19.
25. **Ellaway RH**, Dewhurst, DG, Douglas, P. 2001. "Implementing a Virtual Learning Environment (VLE) for a Medical Curriculum." LTSN Bioscience Bulletin #2. Online at <http://www.bioscience.heacademy.ac.uk/ftp/newsletters/ltsn2.pdf>

Reports for Lay Audiences and Community Organizations, Media Reports and Public Interviews

- OHMES Annual Report 2020-2021, Cumming School of Medicine, University of Calgary.
- OHMES Annual Report 2019-2020, Cumming School of Medicine, University of Calgary.
- Health and Medical Education Scholarship in Calgary. OHMES, Cumming School of Medicine, University of Calgary: 2020.
- OHMES Annual Report 2018-2019, Cumming School of Medicine, University of Calgary.
- OHMES Annual Report 2017-2018, Cumming School of Medicine, University of Calgary.
- OHMES Annual Report 2016-2017, Cumming School of Medicine, University of Calgary.
- OHMES Annual Report 2015-2016, Cumming School of Medicine, University of Calgary.
- Presentation to Education Huntsville entitled "No Dummies Allowed – Adventures Using Mannequins and Virtual patients at the Northern Ontario School of Medicine" May 2012
- Presentation to Sudbury Rotary Club entitled "No Dummies Allowed: Adventures in Simulation at the Northern Ontario School of Medicine", May 2012
- Radio interview with Australian Broadcasting Corporation (ABC) Darwin – May 2012, topic; simulation and medical education
- Radio interview with Canadian Broadcasting Corporation (CBC) Thunder Bay – March 2009, topic: Second Life and medical education.
- Radio interview with Canadian Broadcasting Corporation (CBC) Sudbury – February 2009, topic: Second Life and medical education.
- Radio interview with Canadian Broadcasting Corporation (CBC) Sudbury – February 2009, topic: Virtual Patients.
- Presentation on 'Britishish', NOSM Advancement Royal Wedding event in April 2010.
- YouTube video on HSVO - <http://www.youtube.com/watch?v=X8cCjpeKeQg>
- YouTube video on eVIP - <http://www.youtube.com/watch?v=t1B3CewwmEY>
- YouTube video on PocketSnips - <https://www.youtube.com/watch?v=hf5Mxs3kFi0>
- YouTube video on Virtual Patients - <http://www.youtube.com/watch?v=RFBDJ3Xyai8>
- YouTube video on 'Activity and deliberate practice in health professional education' https://www.youtube.com/watch?v=I_U8kcfop3g
- Podcast for the journal Medical Education related to our paper 'Context Matters' in 2014 on iTunes.

By other contributors

- Royal College of Physicians and Surgeons of Canada podcast review of our 2014 paper “Developing the role of big data and analytics in Medical Education” – online at:
http://www.royalcollege.ca/_podcasts/canmeds/keylime/KeyLIME_Podcast_Developing_the_role_of_data_and_analytics_in_health_education_64.mp3
- YouTube video: Edinburgh medical student revue in 2008: ‘Tell me why -- I'm obsessed with Rachel Ellaway’ <https://www.youtube.com/watch?v=ZQgsDCWzIrE>

Impact of Publications

Citation Indices:

	<i>Google Scholar</i>	<i>ResearchGate</i>	<i>Web of Science</i>
Number of citations	6333	4571	3193
h-index	42	34	27
i10-index	110	-	69

Artistic Works

I write, record, and perform my own music under the artist name ‘Rhemade’. Published works:

- ‘Gridslider’ (2004)
- ‘Like the Earth I Gave’ (2015) - on iTunes: <http://itunes.apple.com/album/id1022796708>
- ‘Prayer’ (2018) on iTunes: <https://geo.itunes.apple.com/ca/album/prayer/1353493633>
- ‘Pnokja’ in late development
- ‘Borrobil’ in early development

I am also a visual artist. I have exhibited my work in several UK galleries, my illustration work has been used in books and for publicity purposes including the Edinburgh International Science Festival. I have also run art and design courses both in the UK and in Canada.