

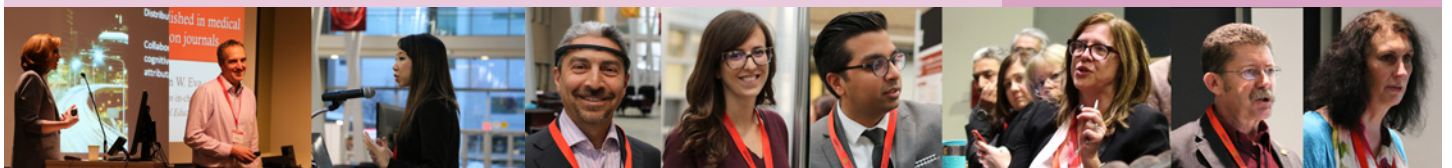


Cumming School of Medicine
University of Calgary




Office of Health and Medical
Education Scholarship (OHMES)

Annual Report 2016-2017



OHMES

better teachers, better learners, better doctors



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Medical Education Scholarship
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University of Calgary

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OHMES would like to thank the members of the Office of the Senior Associate Dean – Education, the Strategic Education Council, the OHMES Executive Committee and consultants, the O’Brien Institute for Public Health, attendees and participants in OHMES events, and the entire health and medical education community at the University of Calgary.

Images from the 2017 Symposium by Julia MacGregor of W21C

OHMES

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What is OHMES?

The Office of Health and Medical Education Scholarship (OHMES) was established in 2013 to provide leadership and support to all those with an interest in educational scholarship within the Cumming School of Medicine (CSM). Educational scholarship is a broad field that includes research, innovation, translation, and evaluation and that brings together multiple disciplines including psychology, sociology, neuroscience, policy studies, and organizational theory. We follow Glassick's model of scholarship as a systematic approach to inquiry that has: clear goals, adequate preparation, appropriate methods, significant results, effective presentation, and reflective critique. This annual report reviews the third year of operations for OHMES.

Our remit includes all of the METRICS dimensions of scholarship in health professional education: metascholarship, evaluation, translation, research, innovation, conceptual, and synthesis.

Our vision is to enhance health and medical education scholarship at the University of Calgary.

Our mission is to capitalize on the high quality education programs and the cadre of excellent current and potential educational scholars, and provide support to bring these activities to a higher level.

OHMES realizes the mission in different ways including:

- Providing leadership in medical, health and science education scholarship
- Building capacity through educational events and mentorship
- Enhancing and supporting initiatives to improve the quality and breadth of learning
- Seeking out opportunities to integrate with community of educators
- Promoting and disseminating research and scholarly work in medical, health and science education



*Dr. Rachel Ellaway,
Research Co-Director*

Dr. Ellaway joined the University of Calgary as a professor in the Department of Community Health Sciences, and Co-Director of OHMES in 2015. She chairs the OHMES Executive Committee, as well as the OHMES funding competition, scholarship workshop, and symposium planning committees. She and the other OHMES consultants also provide research consultation services to the medical education community.



*Dr. David Topps,
Clinical Co-Director*

Dr. Topps was appointed Clinical Co-Director in September 2016, and had previously been a member of the OHMES Executive Committee since January 2015. He has a particular focus on enhancing the quality and breadth of education at the CSM including initiatives focused on capacity building and engagement with all of the CSM's faculty across Calgary and beyond.



*Gretchen Greer,
Manager*

Ms. Greer joined OHMES in early 2014, and provides operational support to the unit and its activities. Her role with OHMES is part-time, with her remaining time allocated to other education quality improvement projects in the CSM.



2016-2017 Overview

OHMES has gone from strength to strength in the 2016-2017 academic year. Founding director of OHMES Dr. Ian Mitchell stepped down in the summer and was replaced by Dr. David Topps as the new Clinical Co-Director. We would like to acknowledge the critical role Ian played in the creation of OHMES and to thank him for all his work in educational scholarship. David's role as Clinical Co-Director has a particular focus on engaging and supporting Cumming School of Medicine clinical faculty around the city and beyond. He also has a particular focus on tools and platforms for educational scholarship.

In terms of events, we ran the Scholarship in Health Education Research & Innovation Workshop (SHERI) in October, we ran the third annual scholarship symposium in February and the largest to date. We brought in visiting speakers to talk about their work, and we instigated a series of rolling Medical Education Leadership lectures.

In terms of funding, we provided more than \$60,000 in funding to educational scholarship projects across the School, and we supported scholars in attending academic meetings.

We also instigated an OHMES Membership model to create a more explicit and supportive community of practice for educational scholarship in and around the Cumming School of Medicine. A key part of this has been the OHMES newsletter which we issued quarterly featuring news, events, profiling individual scholars, and promoting new scholarly activity from our members.

In terms of numbers:

Funding Competition:	25 LOIs, 15 proceeding to full application, 8 projects funded, \$60,934 in funding
Educational Events:	13 events, 337 attendees, \$17,954 in funding
Med Ed Travel Fund:	5 grants, \$9,751 in funding
Research Consults:	83 with 61 different individuals
Website:	2,656 users
Twitter:	85 new followers - @UCalgaryOHMES
Med Ed Journal Club:	53 articles reviewed, 285 attendees, 4 special author presentations
OHMES Members:	99

Governance

The OHMES Executive Committee advises OHMES on matters relating to service development and operations. The committee reports to the Strategic Education Council (SEC), and met seven times in 2016-17. OHMES reports through the OHMES Executive Committee to the Strategic Education Council (SEC). Funding for activities and services, as well as operating funds, are approved by SEC and provided by the Office of the Senior Associate Dean Education.

OHMES is also a unit of the O'Brien Institute for Public Health (OIPH), but maintains its primary reporting relationship to SEC. The relationship provides increased visibility for OHMES, as well as access to OIPH programs and services. OHMES contributes to the mission and vision of OIPH, and adds to their existing research expertise.

We would like to thank all of the members of the OHMES Executive Committee for the hard work and commitment to realising the OHMES Vision.

OHMES Executive Committee 2016-2017

Dr. Rachel Ellaway, Chair	Dr. Aliya Kassam
Ms. Sarah Anderson	Dr. Jocelyn Lockyer
Dr. Adam Cheng	Dr. Cora Constantinescu
Dr. Kent Hecker	Dr. Irene Ma
Dr. Elizabeth Oddone-Paolucci	Dr. Alyshah Kaba
Dr. Nishan Sharma	Dr. David Topps

OHMES Activities

OHMES hosted a series of educational and professional development events open to the CSM as well as other health profession faculties. These include workshops, seminars, webinars and conferences. The intent of these opportunities is to foster the pursuit and use of educational scholarship across the School. This year, these events included:

Health and Medical Educational Scholarship Symposium

The third annual symposium was held on February 22-23, 2017, to showcase work in health and medical education research and innovation in Calgary and beyond, and encourage future collaborations among researchers. Three external experts in educational scholarship were invited as presenters and workshop facilitators. Dr. Lorelei Lingard from CERI at Western University and Dr. Kevin Eva from CHES at the University of British Columbia gave keynote addresses and workshops. Dr. Stella Ng from the University of Toronto gave the second annual Jones Medical Education Lecture which focused on reflection in medical education, and OHMES was pleased to have benefactor Dr. Allan Jones in attendance.

There were 19 researchers who presented their work during oral sessions, and 21 researchers who participated in the poster and demonstration session. Other sessions included a well-attended workshop offered by Dr. Eva on publishing in health professional education journals, a Personally Arranged Learning Session (PeArLS) in which researchers presented an idea to a group of peers to receive instant feedback, and an interactive Unconference with the discussion topic of precision education.

Attendance increased 25% from the 2016 event, with 131 participants representing the CSM, Nursing, Education, Veterinary Medicine, Mt. Royal University, University of Alberta, University of Saskatchewan, Southern Alberta Institute of Technology, Alberta Health Services, and Innovate Calgary. Feedback on the Symposium was overwhelmingly positive, with the excellent quality of presentations, workshops and posters noted by attendees. This will continue to be an annual event.



Keynote and workshop presenters at the annual symposium. From left to right: Drs. Lorelei Lingard, Kevin Eva, and Stella Ng.

We would like to thank all of the members of the OHMES Symposium Planning Committee for their hard work and commitment to making this such a successful event.

OHMES 2017 Symposium Planning Committee

Dr. Rachel Ellaway, Chair
Ms. Sarah Anderson
Dr. Adam Cheng
Dr. Cora Constantinescu

Ms. Nicole Delaloye
Dr. Aliya Kassam
Dr. Nishan Sharma
Dr. David Topps



Medical Education Scholarship Seminars & Lectures

OHMES hosted four medical education scholarship seminars, which included the new Medical Education Leadership Lecture. This new lecture series, created in 2016, recognizes those who have made a significant contribution to health and medical education in the Cumming School of Medicine. The first lecture in the series was given by Dr. Doug Myhre following his appointment as full professor after many years of service in medical education in a number of capacities. The second lecture celebrated the publishing achievements of Dr. Jocelyn Lockyer and Dr. Irene Ma. OHMES will continue this series in 2017-18.

OHMES also welcomed Dr. Martin Pusic of New York University as a visiting scholar in May 2017. He gave two talks that focused on two areas of his scholarship expertise: learning curves and big data in health professions education. Dr. Pusic also spent time meeting individually with local scholars.

Scholar	Date	Title	Type	Attendance
Dr. Doug Myhre University of Calgary	7 November 2016	"Lost in the Woods": reflections on an academic journey	Medical Education Leadership Lecture	41
Dr. Martin Pusic New York University	26 May 2017	Systematic Practice Makes Perfect: A Discussion of Better Ways to Climb the Learning Curve	OHMES & CAME seminar	20
Dr. Martin Pusic New York University	26 May 2017	Big Data in Health Professions Education: What has changed?	OIPH seminar	45
Dr. Jocelyn Lockyer & Dr. Irene Ma University of Calgary	7 June 2017	Leadership in Medical Education Scholarship: Practical Approaches to Conducting Publishable Research	Medical Education Leadership Lecture	34

Webinars

OHMES hosted local viewings of 7 national and international webinars sponsored by the Canadian Association for Medical Education (CAME) and the Association for Medical Education in Europe (AMEE). This is a decrease from 12 in 2015-16, and was due to a change in webinar times for AMEE and a later start date for the annual CAME schedule. The webinars are designed to provide practical, evidence and experienced based advice to health educators. Local attendance ranged from 2-11 depending on the webinar.

Medical Education Specialization Journal Club

OHMES continued to co-sponsor a journal club with the Medical Education Specialization in the Department of Community Health Sciences. Meetings are held weekly between September and June to review and critique current journal articles in medical education, and all CSM students, faculty, and staff are welcome to take part. The journal club invites local authors and visiting scholars to present their work whenever possible, and was fortunate to have guest presentations from Dr. Lindsay Crowshoe, Dr. Joanna Bates (UBC), Dr. Heather Jamniczky, Dr. Irene Ma, and Dr. Julia Haber in 2016-17. Total attendance for the year was 285, attendance at individual sessions ranged from 6-19, and 53 articles were discussed.

Scholarship in Health Education Research & Innovation Workshop (SHERI)

In October 2016 a group of PhD educators within the CSM volunteered their time and expertise to host a series of three workshops on developing health and medical education research. This was the second time the SHERI series has been offered to participants from the CSM, who had the opportunity to develop their scholarship ideas in a small group setting. There were 14 attendees, and feedback on the workshop was very positive.

OHMES Funding

The major part of OHMES' core funding in 2016-2017 went to support educational scholarship initiatives in the Cumming School of Medicine. Funding was awarded to projects as part of a competitive call for proposals along with travel grants for medical education conferences and meetings.

Health Science and Medical Education Research & Innovation Funding Competition

The Health & Medical Education Research and Innovation Funding Competition was open to investigators with an appointment in the Cumming School of Medicine. Funding of up to \$10,000 per project was provided for successful applicants. A new process was instituted in 2016-17 involving an initial letter of intent (LOI) in order to ensure that the proposed projects have a direct link to medical education before proceeding to the full proposal stage. All proposals are subject to a rigorous peer review process undertaken by the OHMES Funding Competition Review Committee comprised of experts with background in various areas of medical education scholarship.

There were 25 LOIs received, of which 17 were invited to proceed to the full proposal stage. Fifteen full proposals were received, and 8 of these were funded for a total of \$60,933.50, an increase from 7 proposals and \$55,342.50 in funding in 2015-16.

The following are the 2016-17 funding award recipients:

PI	Co-Investigators	Project Title	Funding Granted
W. Ben Gibbard	Susan Makarchuk, Pamela Veale	Assessment of Competency in the Administration of an Autism Spectrum Disorder Diagnostic Tool by Subspecialty Residents in Developmental Pediatrics	\$ 8,820.00
Elaine Gilfoyle	Amanda Deacon, Thomas O'Neill	Family Presence During Resuscitation: A Needs Assessment	\$ 3,887.00
Sean Grondin	Navjit Dharampal, Alicia Polachek, Aliya Kassam, Jane Lemaire, Kent Hecker, Maureen Topps	Anticipatory Stress Regarding Future Job Prospects: A Longitudinal Study of Medical Students and Residents	\$10,000.00
Sonya Lee	Stephen Mintsoulis, Maureen Topps	Clinical Learning Experiences and Resident Gender	\$ 6,032.00
Conor McKaigney	Louise Rang, Andrew Hall, Joey Newbigging	The Development and Evaluation of an Assessment Tool for Competency in Point-of-Care Ultrasound in Emergency Medicine	\$ 6,000.00
Jean Rawlings	Shannon Murphy, Aliya Kassam, Maureen Topps, Shelley Ross, Ramona Kearney	The Alberta International Medical Graduate Experience in Residency Training: A Case Study	\$10,000.00
Francine Smith	Tara Beattie, Frances Kalu, Patti Dyjur	Effective Practices in a Multi-program Curriculum Review of Graduate Science Education in the Cumming School of Medicine	\$10,000.00
Amy Tan	Ian Walker, Doug Myhre	Program Evaluation of the Pathways to Medicine (P2M) Scholarship Program: Process evaluation for Year 1 implementation using mixed-methods	\$ 6,194.50
TOTAL			\$60,933.50

We continue to monitor and support the 11 projects funded in the first two years of this competition, and require annual reports from all PIs. All funded project holders are expected to present their findings at the Health and Medical Educational Scholarship Symposium either as an oral presentation or poster. Six of the funded projects from last year were presented during a well-attended oral session dedicated to OHMES funded projects at the 2017 Symposium.



Medical Education Travel Fund

The OHMES Medical Education Travel Fund Committee administers a travel grant program on behalf of the Strategic Education Council for Cumming School of Medicine faculty members to present the results of their research and scholarship in the area of medical or science education at national and international meetings. The expectation is that attending these meetings will contribute tangibly to the development of expertise in teaching methods, curricular development and assessment in medical and science education. The maximum award is \$2,000 with up to \$10,000 available in total in 2016-17.

In 2016-2017, five applications were funded for a total of \$9,751.32. The recipients were Mone Palacios, Suzette Cooke, Kent Hecker, Keith Wycliffe-Jones and Marianna Hofmeister.

Partnerships with OIPH

As a unit of the O'Brien Institute of Public Health, OHMES invited one speaker to present a topic relevant to medical education scholarship for the OIPH Friday Seminar Series. Dr. Martin Pusic (New York University) presented on big data in health professions education at the May 26 seminar. The expenses for this event were covered by OIPH, and OHMES would like to acknowledge the support of OIPH for medical education scholarship at the Cumming School of Medicine.

Jones Lecture

The Jones family established an endowment in honour of Donald Jones to provide recognition for outstanding UME teachers and to fund a visiting speaker on a topic of particular interest to the UME community. The second annual Jones Lecture, which was on the topic of reflective practice, was given by Dr. Stella Ng (University of Toronto) as part of the Health and Medical Educational Scholarship Symposium in February. Dr. Allan Jones, former Associate Dean-UME, was in attendance on behalf of the family. OHMES would like to acknowledge the support the Jones endowment has provided for medical education scholarship at the Cumming School of Medicine.

In-kind Funding

We would also like to acknowledge the significant time, expertise, and effort given to OHMES and its activities by many members of the Cumming School of Medicine. Although we have acknowledged the members of our various committees elsewhere in this report, we would like to extend a profound thank you to the many individuals who have contributed to the work of OHMES over the year and we look forward to a continuing productive and rewarding relationship in the years to come.

We would like to thank the members of the OHMES Funding Competition Review Committee and the OHMES Medical Education Travel Fund Committee for their hard work and dedication to medical education scholarship

OHMES Funding Competition Review Committee

Dr. Rachel Ellaway, Chair
Dr. David Topps
Dr. Jocelyn Lockyer
Dr. Kevin McLaughlin

OHMES Medical Education Travel Fund Committee

Dr. Rachel Ellaway, Chair
Dr. Sylvain Coderre
Dr. Jennifer Hatfield

OHMES Consultations

OHMES offers expert assistance consultancy for health and medical education research project development as well as broader advice and support in pursuing scholarly activities as part of individuals' professional and faculty development to all CSM members and staff. Consultancy services are provided at no cost by OHMES volunteer consultants who are also members of the OHMES Executive Committee. Our six consultants have various areas of expertise, and specific areas of assistance include research study design, research methods, proposal writing, and dissemination. We undertook 83 consults with 61 different individuals in the 2016-2017 academic year.

OHMES Communications

OHMES engaged in a wide range of communication and outreach activities in the 2016-2017 academic year:

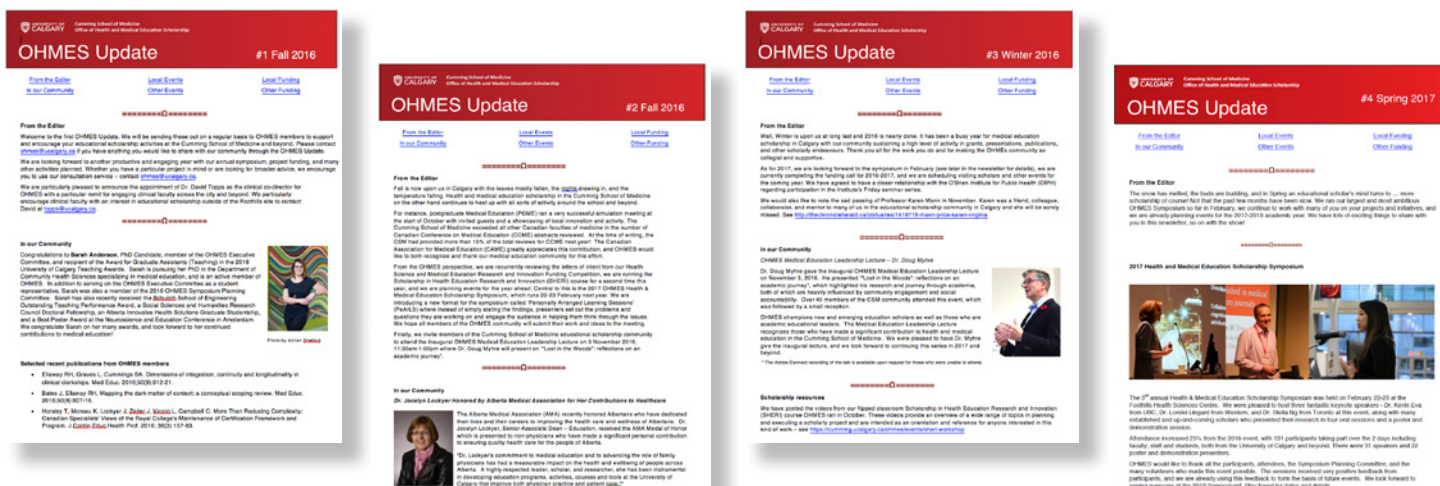
Medical Education Email Group: OHMES' primary means of communication with the medical education community is through the med ed email group. This list had 342 subscribers by fiscal year end, an increase from 311 in 2015-16. Information regarding internal and external scholarship events and opportunities is disseminated approximately 2-3 times per week.

Website: The website www.cumming.ualgary.ca/ohmes is the store-front for the OHMES office, as OHMES does not have a central physical presence in the CSM. The website provides information on OHMES services and events, as well as information on external opportunities and resources. In 2016-17, 2,656 users visited the site which was a decrease from 5,245 in 2015-16.

Twitter: The OHMES Twitter account (@UCalgaryOHMES) had 148 followers by fiscal year end, an increase of 85 in 2016-17. The account is used primarily to promote OHMES events.

Outreach: We have given a number of presentations encouraging and discussing faculty involvement in medical education scholarship and presenting the services and infrastructure offered by OHMES.

Newsletter: OHMES published its first newsletter in Fall 2016, with three additional issues published in 2016-17. The newsletter was created as another communication tool primarily for OHMES members, to inform regarding upcoming events and funding opportunities, as well as to showcase the work of local scholars. OHMES will continue to publish four issues per year.





OHMES Membership

The OHMES Membership model was launched in July 2016. The goal is to sustain a focused sense of purpose around the OHMES mission, and to support the productivity and quality of work of all of the members.

OHMES provides members with a formal association with the OHMES community of practice, opportunities to network and form research teams, opportunities for peer review of grants, grant applications, papers and other scholarly works. In return, members agree to support and advance the vision and mission of OHMES, have their name and affiliation disseminated publicly as part of OHMES, and report on their education scholarship activities, including research grants, abstracts and publications.

OHMES accepts membership applications from faculty, residents, fellows, students and staff who are engaged in or are interested in health and medical education scholarship at the University of Calgary. An affiliate membership is also available to those without a University of Calgary appointment. Membership is now required to access OHMES services, funding and events.

As of June 2017, OHMES had 99 members registered in the on-line database (<http://cumming.ucalgary.ca/database>), and recruitment is ongoing.

Plans for 2017-2018

OHMES will continue to administer and support the services and events from the previous years. Additional initiatives and partnerships will be pursued to support health and medical education scholarship in the CSM. Key components of the plan for 2017-2018 include:

We will run the PiHPES colloquium in November as the start of a program of activity around precision education scholarship.

We will be working to improve our outreach to and engagement with CSM faculty beyond the Foothills Health Sciences Centre.

We will run the fourth annual OHMES symposium 20-21 February 2018.

We are currently identifying invited presenters for one-off seminars and visiting scholars throughout the year.

We will run the funding competition again, in a two-stage process involving letters of intent followed by a full proposal for those invited to proceed to the second round.

We will continue to grow the OHMES membership database and develop a range of member services.

We will continue to explore opportunities to communicate and collaborate with our many friends, partners, and stakeholders in the Cumming School of Medicine.

We will explore additional alternative sources of funding for OHMES activities.

We will initiate a robust operational and strategic planning process.

We will continue to publish the quarterly OHMES Newsletter.

Financial Report 2016-2017

OHMES is funded through the Office of the Senior Associate Dean – Education, and does not manage the unit operating budget. OHMES does manage the \$90,000 in funding provided for specific scholarship events/activities, and was able to achieve its goals for the third year of operations with the internal funding allocated. Expenditures were as follows:

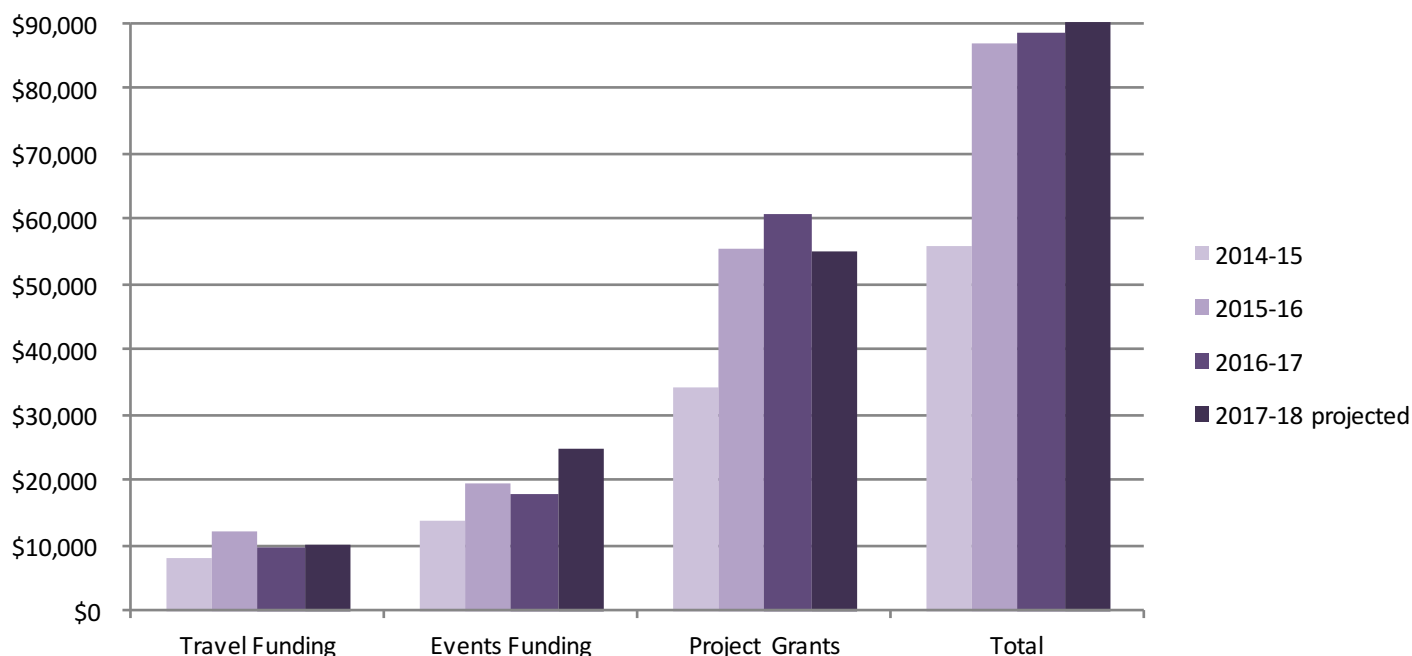
Funding	2015-2016	2016-2017
Workshops/Seminars/Conferences	\$ 19,413.49	\$ 17,954.29
Research Funding Competition	\$ 55,342.20	\$ 60,933.50
Medical Education Travel Fund	\$ 12,033.07	\$ 9,751.32
TOTAL	\$ 86,788.76	\$ 88,639.11

Expenditures increased by approximately 2% from 2015-16 primarily due to an increase in the amount allocated to the research funding competition. OHMES is able to offer a substantial number of services with limited funding, as expenses for workshops/seminars/conferences are minimized when possible by capitalizing on visiting professors funded by another department/unit, as well as volunteer workshop facilitators (ie. OHMES Executive members).

Financial Plan for 2017-2018

The operating budget will remain at \$90,000 for 2017-18. Given that the unspent balance from our core funding currently does not carry forward to the next fiscal year, we are focusing on maximizing the impact of the funding within each fiscal year. Amounts allocated to the three categories of funding in 2016-17 and 2017-18 are as follows: \$60k for grants, \$20k for events, and \$10k for travel. Further adjustments may be made during the year to maximise the impact of the funding in support of the OHMES mission. The following graph depicts the actual funding allocations for the last 3 years and projections for 2017-18:

OHMES Funding Allocations





Cumming School of Medicine
University of Calgary



The Office of Health and Medical Education Scholarship (OHMES)

Precision in Health Professional Education Scholarship (PiHPES)

A Colloquium

Wednesday November 8, 2017
8am-12pm, Room O1500, FMC

The Cumming School of Medicine has made a strategic commitment to Precision Medicine. This OHMES colloquium is a platform to explore what precision means in health professional education scholarship.

We invite all members of the Cumming School of Medicine community to come together on November 8th to engage in a constructive discussion and debate regarding the future development and function of health professions education scholarship in the context of precision.

Please register an interest in being part of this groundbreaking meeting at
OHMES@ucalgary.ca

Precision recruitment
and admissions

Personalized learning
opportunities and trajectories

Precision instructional and
assessment methods

Personalized assessment
and evaluation

Precision in social
accountability

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