

Office of Health and Medical Education Scholarship (OHMES)

Annual Report 2019-2020



Published by the Office of Health and
Medical Education Scholarship
Cumming School of Medicine
University of Calgary

June 2020

All rights reserved.

Contact:
Office of Health and Medical
Education Scholarship (OHMES)
3330 Hospital Drive NW
Calgary, AB T2N 4N1

403-220-4342

ohmes@ucalgary.ca

cumming.ucalgary.ca/office/ohmes

[@UCalgaryOHMES](https://twitter.com/UCalgaryOHMES)



OHMES would like to thank the members of the Office of the Senior Associate Dean—Education, the Strategic Education Council, the OHMES Advisory 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 2020 Symposium by Kristen Story.

TABLE OF CONTENTS

| | |
|----|--------------------|
| 2 | About OHMES |
| 3 | 2019-2020 Overview |
| 4 | Activities |
| 6 | Consultations |
| 6 | Membership |
| 7 | Communications |
| 7 | Strategic planning |
| 8 | Funding |
| 10 | Financial report |

About OHMES

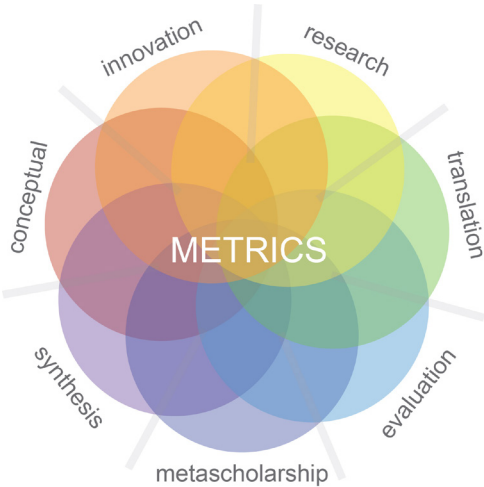
The Office of Health and Medical Education Scholarship (OHMES) was established in 2013 to provide leadership and support to all those with an interest in educational scholarship within the Cumming School of Medicine (CSM). Educational scholarship is a broad field that includes research, innovation, translation,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



Rather than focusing exclusively in research, OHMES takes a holistic perspective on what counts as scholarship. The METRICS model was developed by OHMES (Ellaway & Topps 2017) to represent the many intersecting approaches to inquiry that can be considered scholarly in health and medical education.

Governance

The OHMES Advisory Committee advises OHMES on matters relating to service development and operations. The committee reports to the Director of OHMES, and met three times in 2019-20. OHMES reports through the OHMES Advisory 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 Advisory Committee for the hard work and commitment to realising the OHMES Vision. | OHMES Advisory Committee 2019-2020 | |
| | Dr. Rachel Ellaway, Chair Dr. Sarah Anderson Dr. Adam Cheng Dr. Janeve Desy Dr. Kent Hecker Dr. Elizabeth Oddone-Paolucci Dr. Nishan Sharma | Dr. Aliya Kassam Dr. Jocelyn Lockyer Dr. Cora Constantinescu Dr. Irene Ma Dr. Alyshah Kaba Dr. David Topps |

2019-20 Overview

OHMES completed its sixth year of operations in 2019-20, marked in part by the publication of *Health and Medical Education Scholarship in Calgary* - a report that detailed the development of medical education scholarship in Calgary over the last 50 years, and set out a strategic plan for the future development of our scholarly community. We also hosted our sixth annual Health and Medical Education Scholarship Symposium in March, and the Medical Education Leadership Lecture series continued with a session presented by Dr. Joan Sargeant. Over \$65,000 in funding was granted to educational scholarship projects across the CSM, and OHMES continued to support scholars in presenting their work at academic conferences.

Not surprisingly, COVID-19 has been the big issue in the second half of the year with healthcare providers changing their routines and the University and society as a whole going in to lockdown for several months. The emergency has led to multiple cancelled events and delays to some OHMES activities, while others moved online, such as the Journal Club. OHMES members have also been creative in their responses to COVID with a number of new studies and initiatives starting in response to the emergency. As we write this report the emergency is still far from over, and the full impact of COVID-19 on medical education scholarship in Calgary, and the impact of our scholars in response will have to wait.

| | |
|-----------------------------------|---|
| Funding Competition: | 19 LOIs, 14 full proposals, 8 projects funded for \$65,067 total |
| Educational Events: | 3 seminars and lectures, 133 attendees |
| Med-Ed Travel Fund: | 7 grants, \$13,495 in funding granted |
| Research Consults: | 52 with 47 different individuals |
| Website: | 414 users |
| Twitter: | 259 followers - @UCalgaryOHMES |
| Med-Ed Journal Club: | 25 sessions, 62 articles reviewed, 321 attendees |
| OHMES Members: | 194 |
| Med-Ed Email List Members: | 422 |

OHMES Team

OHMES is led by Director Dr. Rachel Ellaway, Professor in the Department of Community Health Sciences, and Clinical Co-Director Dr. David Topps, Professor in the Department of Family Medicine. The office is supported by Manager, Gretchen Greer. All staff are part-time with OHMES, and have other roles within the CSM. Therefore, OHMES relies on the expertise and enthusiasm of its consultants, Advisory Committee members, and OHMES members/volunteers extraordinaire to ensure the OHMES mandate is fulfilled.



Dr. Rachel Ellaway,
Director



Dr. David Topps,
Clinical Co-Director



Gretchen Greer,
Manager

OHMES Activities

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

Health and Medical Education Scholarship Symposium

The sixth annual symposium was held on March 5, 2020, to showcase work in health and medical education research and innovation in Calgary and beyond, and encourage future collaborations among researchers. Dr. Adina Kalet from the Medical College of Wisconsin and New York University was the invited speaker and presented the keynote address “Transforming the Public’s Health Through Medical Education Innovation and Research”, and hosted a workshop on professionalism remediation. Other workshops included “What kind of education scholar are you?” and “Fun and Games: When gamification becomes an infectious teaching tool”.

There were 14 researchers who presented their work during oral sessions, and 22 who participated in the poster and interactive demonstration session. There were 97 participants representing the CSM, Nursing, Veterinary Medicine, Mt. Royal University, University of Alberta, and Alberta Health Services. Feedback on the Symposium was very positive, with the excellent quality of presentations, workshops and posters noted by attendees. This will continue to be an annual event.



*Top left to right: Opening Remarks in the Clara Christie Theatre, Workshop - Adina Kalet, The Way Forward - Adina Kalet and Rachel Ellaway
Bottom left to right: Poster Session - Allison Brown and Nishan Sharma, Nazlee Sharmin, Aaron Johnston and Mike Paget*

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 2020 Symposium Planning Committee

Dr. Rachel Ellaway, Chair
Dr. Sarah Anderson
Ms. Allison Brown
Dr. Amanda Roze des Ordons

Dr. Rahim Kachra
Dr. Aliya Kassam
Dr. Nishan Sharma
Dr. Anthony Seto

Medical Education Lectures, Seminars and Webinars

OHMES welcomed **Dr. Joan Sargeant** from Dalhousie University as the honoured speaker at the **Medical Education Leadership Lecture**. This lecture series, created in 2016, recognizes those who have made a significant contribution to health and medical education. Dr. Sargeant, a highly accomplished medical education scholar, was visiting the University of Calgary for an unrelated conference, and kindly agreed to share the evolution of her research and her journey in developing a research program in medical education. There were 19 people in attendance.

OHMES hosted the **CSM@AMEE2019** seminar in October 2019. The AMEE conference takes place in Europe annually, and the CSM has been well-represented in recent years. The CSM@AMEE2019 seminar provided an opportunity for those who cannot attend AMEE to learn more about the research of their CSM colleagues. Presenters included **Fabiola Aparicio-Ting, Rahim Kachra, Aliya Kassam, Anthony Seto, William Stokes, and David Topps**. There were 19 people in attendance. Unfortunately, OHMES was not able to host the similar **CSM@CCME2020** seminar in spring 2020 as planned due to the pandemic.

The **O'Brien Institute for Public Health** hosts a **Friday Seminar Series**, and asks its units, including OHMES, to present at two of these each year. Active OHMES member **Dr. Rahim Kachra** kindly agreed to present the RIME (Re-Imagining Medical Education) group's work using design thinking to re-imagine undergraduate medical education. This event was attended by over 50 people.

Dr. Javeed Sukhera from Western University was scheduled to visit the CSM in April 2020, co-hosted by OHMES and WISHES (Wellness Innovation Scholarship for Health Professions Education and Health Sciences), as a visiting scholar. Three separate seminars on stigma and bias had been planned, including a presentation at the O'Brien Institute for Public Health Friday Seminar Series. However, these were cancelled due to the pandemic, with the intent to reschedule.

OHMES hosted a local viewing of 1 **webinar** sponsored by the **Canadian Association for Medical Education (CAME)**. The webinars are designed to provide practical, evidence and experience based advice to health educators. Unfortunately, fewer webinars were available in 2019-20 due to scheduling conflicts and cancellations due to the pandemic.



Health and Medical Education Scholarship Lectures and Seminars 2019-20

| Scholar | Date | Title | Type | Attendance |
|--|-------------------|---|--------------------------------------|------------|
| Joan Sargeant | 16 September 2019 | Developing a research program in medical education: Serendipity, curiosity, and collaboration | Medical Education Leadership Lecture | 19 |
| Fabiola Aparicio-Ting, Rahim Kachra, Aliya Kassam, Anthony Seto, William Stokes, and David Topps | 16 October 2019 | CSM@AMEE2019 | OHMES Seminar | 19 |
| Rahim Kachra | 22 November 2019 | Nike, Uber, & UME? Using design thinking to re-imagine undergraduate medical education | OIPH Seminar | 50+ |

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 May to review and critique current journal articles in medical education, and all CSM students, faculty, and staff are welcome to take part. **Dr. Aliya Kassam** leads the discussions and selection of articles, with guest facilitators on occasion. Attendance continued to grow this year, with a notable increase for the final sessions of the year when the journal club converted to an on-line format in response to the pandemic. There were 62 articles discussed in 2019-20.

Med Ed Journal Club Statistics 2015-2020

| Year | # of Attendees | # of Sessions |
|---------|----------------|---------------|
| 2015-16 | 147 | 22 |
| 2016-17 | 285 | 34 |
| 2017-18 | 320 | 28 |
| 2018-19 | 296 | 31 |
| 2019-20 | 321 | 25 |



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 by OHMES volunteer consultants who are also members of the OHMES Advisory Committee. Our five consultants have various areas of expertise, and specific areas of assistance include research study design, research methods, proposal writing, and dissemination. Demand for consultations from the community remained steady, as we undertook 52 consults with 47 different individuals in the 2019-20 academic year. These include requests for assistance with external grant proposals, OHMES funding competition proposals, and resident projects.

| Year | # of Consultations |
|---------|--------------------|
| 2015-16 | 53 |
| 2016-17 | 83 |
| 2017-18 | 72 |
| 2018-19 | 79 |
| 2019-20 | 52 |

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. Membership continues to grow with **194 members** registered (cumming.ucalgary.ca/office/ohmes/database) as of June 2020, an increase of 34 members since 2018-19.

OHMES Communications

OHMES engaged in a wide range of communication and activities in the 2019-2020 academic year:

- **Medical Education Email Group:** OHMES' primary means of communication with the medical education community is through the medical education email group. This list had 422 subscribers by June 2020, an increase of 20 from 2018-19. Information regarding internal and external scholarship events and opportunities is disseminated approximately 2-3 times per week.
- **Website:** The website cumming.ucalgary.ca/office/ohmes provides updates on OHMES services and events, as well as information on external opportunities and resources. In the 2019-20 fiscal year, 414 users visited the site which was a sharp decrease from 2,100 in 2018-20.
- **Twitter:** @UCalgaryOHMES had 259 followers by fiscal year end, an increase from 217 in 2018-19. The account is used primarily to promote OHMES events.
- **Newsletter:** OHMES published four newsletters in 2019-20. The newsletter is intended as a 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 Strategic Planning

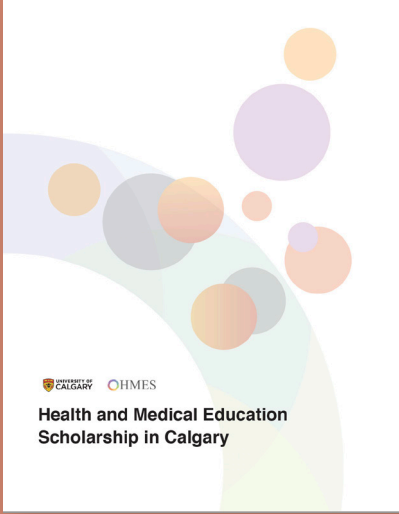
The report set out a History of OHMES in Calgary, it mapped out the breadth of health and medical education scholarship activity in Calgary today, it described the range of activities organized by OHMES, it described the various education labs associated with OHMES, it described the graduate specialization in medical education offered through Community Health Sciences, and it provided data on the performance and impact of OHMES scholars in Calgary.

In terms of numbers: OHMES had 157 full members, had run 284 consultations since 2014, had provided \$268,791 in project funding, and had 6 associated research labs. In terms of the CHS specialization, there had been 31 PhD and 72 MSc Graduates in medical education. More than \$6 million had been secured since 2013, 11% of which was from international sources, 51% national, 21% provincial, and 17% internal. In terms of productivity, Calgary scholars have had > 600 papers in peer-reviewed journals since 2013, making us the 3rd most productive school in Canada.

Drawing this together into a future direction for the community, we noted that the OHMES community's expertise in education and education systems is substantial and ready and eager to contribute to the broader missions of the School as well as to continue shaping the debates and directions of medical education on a national and global basis. Making this opportunity a reality is the challenge we face. To that end we had five main recommendations:

- 1 IDENTITY and COHERENCE
- 2 PARTICIPATION in a COMMUNITY
- 3 CONNECTION and CONTRIBUTION
- 4 CAPACITY and COLLABORATION
- 5 ADVOCACY and LEADERSHIP

The report is on the OHMES website at: <https://cumming.ucalgary.ca/sites/default/files/teams/15/OHMES%20five%20year%20report%20-%20final%20Feb%202020%20distrib.pdf>



**Health and Medical Education
Scholarship in Calgary**

OHMES
157 full members
284 consultations since 2014
\$268,791 project funding provided
6 associated research labs

Graduates in medical education
31 PhD and 72 MSc
Many graduates in leadership positions in Calgary and elsewhere

Funding
> \$6M in grant funding since 2013
11% international, 51% national, 21% provincial, 17% internal

Productivity
> 600 papers in peer-reviewed journals since 2013
3rd most productive school in Canada

OHMES Meetings
5 symposia, 15 invited keynotes, 75 orals, 101 posters & demos,
543 attendances from 7 faculties and 16 other institutions
466 attendances at 21 seminars, 191 attendances at 37 webinars
116 journal club sessions with >1,000 attendances

OHMES Funding

The majority of OHMES' core funding in 2019-20 supported 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 is open to investigators with an appointment in the Cumming School of Medicine, with funding up to \$10,000 per project available for successful applicants. OHMES has hosted six competitions with a total of \$362,738 in funding provided to date.

A letter of intent (LOI) process was followed again this year 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 19 LOIs received, of which 15 were invited to proceed to the full proposal stage. Fourteen full proposals were received, and 8 of these were funded for a total of \$65,067. OHMES typically reserves \$60,000 annually for the funding competition, however as the funding awards occur near the end of the fiscal year we are able to allocate unspent funds from the events budget to increase the funding competition budget.

The following are our 2019-20 funding award recipients:

| PI | Co-Investigators | Project Title | Funding Granted |
|----------------------|--|--|-----------------|
| Suzette Cooke | Novak C, Barnard C, Sandhu A, Forbes K, Grant V | Can you RELATE? Navigating Care Crises and Building Trust with Parents in the Pediatric Hospital Setting: A Workshop and Simulation-Based Curriculum for Pediatric Residents | \$10,000 |
| Martina Kelly | Paget M, Bassyouni, Blanch-Harigan D, McCaffrey G | Perceiving patients' emotional cues: a mixed methods study with medical and nursing students | \$5,215 |
| Rebecca Malhi | Johnston A, Shafiq J | Experiences of Physicians in Rural Practice: A Human Library Approach | \$10,000 |
| Kathleen Moncrieff | Wycliffe-Jones K, Garies S, Soos B | Quantifying variance in patient care attributed to the residency program training of their family physician | \$5,000 |
| Marcy Mintz | Brown A, Fruetel K, Kassam A | The Assessment of Internal Medicine Evaluations in Residency Study (AIMERS) | \$10,000 |
| Pamela Roach | Crowshoe L, Henderson R, Keegan D, de Groot J, Roze des Ordons A, Kelly-Turner K | Understanding Educational Experiences across CSM: Informing Critical Indigenous Health Education | \$10,000 |
| Shannon Ruzyski | O'Brien M, Ma I | The impact of accent on assessment of residents by physicians, nurses and patients | \$9,856 |
| Keith Wycliffe-Jones | Morros M, Mayne M, Dufour K, Kinzie S, Mackenzie M, Papineau A, Krol-Kennedy A, Pasricha R | Do Canadian medical graduates perceive the process for the selection for Family Medicine Residency Training in Canada as fair? | \$4,996 |
| TOTAL | | | \$65,067 |

We continue to monitor and support the projects funded in past 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. OHMES invites award recipients to present at the annual Symposium, and two of our recent funding recipients participated in the oral and poster presentations at the 2020 Symposium, and three of our original 2014 award recipients provided summaries of their research and related accomplishments during a special session at the Symposium.

Medical Education Travel Fund

The OHMES Medical Education Travel Fund Committee administers a travel grant program on behalf of the Senior 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.

In 2019-2020, 7 applications were funded for a total of \$13,495. The recipients were Fabiola Aparicio-Ting, Tahara Bhate, Rachel Grimminck, Rahim Kachra, Aliya Kassam, Martina Kelly and Anthony Seto. The funding supported travel to conferences including AMEE, CCME, and other conferences for either oral or poster presentations.

Following budget cuts for the 2020-2021 fiscal year, we have suspended applications to the travel fund for the foreseeable future.

Partner Funding

Postgraduate Medical Education Support

The office of Postgraduate Medical Education (PGME) provides support funding to OHMES on an annual basis for PGME relevant activities including: research/scholarship in the areas of competency-based medical education, simulation and Precision Medicine; travel costs to attend conferences related to these research areas; and retreat activities. In 2019-20, the funds were primarily used for conference travel and strategic planning retreat activities. OHMES would like to thank PGME for this generous support.

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. Elizabeth Oddone Paolucci
Dr. Kent Hecker
Dr. Jocelyn Lockyer
Dr. David Topps

OHMES Medical Education Travel Fund Committee

Dr. Rachel Ellaway, Chair
Dr. Lara Cooke
Dr. Nishan Sharma

Financial report 2019-20

OHMES is funded through the Office of the Senior Associate Dean – Education, and manages the \$90,000 in funding provided for specific scholarship events and activities. OHMES was able to achieve its goals for the sixth year of operations with the internal funding allocated. Expenditures in fiscal 2019-20 were as follows:

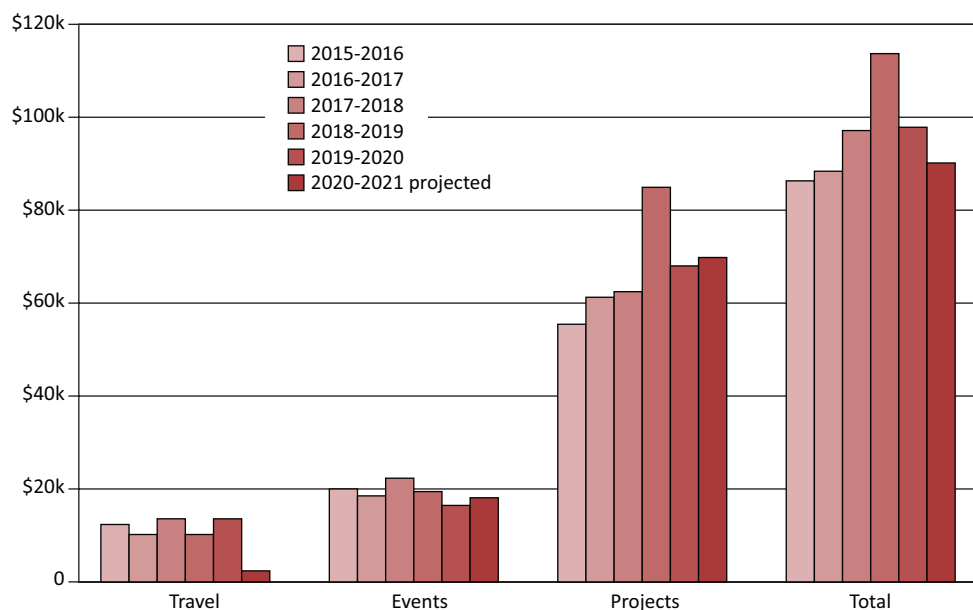
| Expenditures | 2019-20 | 2018-19 | 2017-18 | 2016-17 | 2015-16 |
|--------------------------------|-----------------|------------------|-----------------|-----------------|-----------------|
| Workshops/Seminars/Conferences | \$16,322 | \$19,053 | \$21,859 | \$17,954 | \$19,413 |
| Research Funding Competition | \$68,067* | \$84,999 | \$62,115 | \$60,933 | \$55,342 |
| Medical Education Travel Fund | \$13,495 | \$10,000 | \$13,641 | \$ 9,751 | \$12,033 |
| TOTAL | \$97,884 | \$114,052 | \$97,615 | \$88,639 | \$86,788 |

*This includes an additional \$3,000 granted to a project that was previously funded in the OHMES competition but for which the funds were recovered due to the cancellation of the study. This project has now restarted with a new PI.

Expenditures decreased by approximately 14% from 2019-20 primarily due to a decrease in funds awarded in the research funding competition. A greater amount was granted in the 2018-19 competition, funded by the recovery of previous funding competition awards which were not used. At the end of fiscal 2019-20, there was \$9,940 remaining in unused funds which will be carried over for use in 2020-21. 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 committee members who provide services as consultants, reviewers, etc.

Financial Plan for 2020-2021

The internal funding received will be reduced by 10% to \$81,000 for 2020-21. OHMES is able to carry over unused funds into the following fiscal year, and \$9,940 from unused funds in 2019-20 will be added to the 2020-21 budget. Therefore, the total available budget for 2020-21 is \$90,940. Amounts allocated to the three categories of funding will be approximately as follows: \$70k for grants, \$18k for events, and \$2k for travel. The Medical Education Travel Fund was suspended as of April 2020 due to the reduced base budget, however some funding awards had already been granted for 2020-21, therefore \$2K is reserved to cover these anticipated expenses. Further adjustments are made during the year based on the addition recoveries of unused grants in the current 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 5 years and projections for 2020-21:





Cumming School of Medicine

OHMES

Office of Health and
Medical Education
Scholarship

ohmes@ucalgary.ca

cumming.ucalgary.ca/office/ohmes



better teachers, better learners, better care