



DSECT

Introduction to the program

www.safeandeffectiverx.com



The DSECT opportunity

- DSECT is a training program funded by CIHR to encourage researchers from different domains of science to gain a broader perspective on drug safety and effectiveness, interact with researchers from different domains of science and thus encourage activity and innovation in drug safety and effectiveness arena



DSECT Program Overview

- A one-year program
- Trainees are students enrolled in a graduate, post-doctoral or clinical fellowships
- Trainees work to continue to develop expertise in their area of focus as well as the opportunity to engage in learning from other scientific domains including: biosciences; clinical therapeutics; population health, epidemiology, and biostatistics; and health services and policy research.



DSECT Program Objectives

- Provide a foundation in the basic concepts of drug safety and effectiveness within multiple domains of science
- Bridge scientific domains by linking complementary domains at the both the trainee and investigator level
- Increase the use of cross-domain approaches in research conduct
- Provide a rich learning environment that is content and research methods focused
- Provide tangible opportunities for trainees to develop collaborative research skills
- Provide direct opportunities for trainees to learn and practice research skills
- Incorporate knowledge translation learning and activities at all stages of the program

DSECT faculty mentors

- Gina Agarwal, McMaster University
- Joseph Beyenne, McMaster University
- Eric Brown, McMaster University
- Suzanne Caderette, University of Toronto
- Bruce Carleton, University of British Columbia
- Lisa Dolovich, McMaster University
- Ron Goeree, McMaster University
- Anne Holbrook, McMaster University
- Sharon Kaasalainen, McMaster University
- Janusz Kaczorowski, University of British Columbia
- Richard Kim, University of Western Ontario
- Mitch Levine, McMaster University
- Neil McKinnon Dalhousie University
- Mark Oremus, McMaster University
- Alexandra Papaioannou, McMaster University
- Eleanor Pullenayegum, McMaster University
- Parminder Raina, McMaster University
- P.K. Rangachari, McMaster University
- Michael Rieder, University of Western Ontario
- Gurmit Singh, McMaster University
- Roderic k Slavcev, University of Waterloo
- Jean-Eric Tarride, McMaster University
- Lehana Thabane, McMaster University
- Shawn Wettig, University of Waterloo
- Don Willison, University of Toronto

DSECT program components

Component (April 1-March 31)	Timing*
Annual Symposium	April
Integrative concept on-line course	May-July
Research Skill Building Sessions	July, August, January
Basic Concept Modules	Sept-Dec
Seminar	Throughout
OSKTE	March
Book Club	quarterly
Presentation of Research Projects	March

*approximate timing



Annual Symposium

- Case examples of DS&E research
- Basic concept sessions
- Small group work on research proposal development
- Reflective thinking
- Faculty and trainee 'speed mentoring' session
- Hot topics in DS&E
- Book Club session
- Trainee projects presentations
- Personality style workshop



Research Skill Building Sessions

- Examples:
 - Time management
 - Preparing posters and presentations
 - Grant review
 - Preparing a CV



Integrative Course Sessions

- 5-6 synchronous sessions that encompass “big problem(s)” (e.g. warfarin, cancer risk factors, etc...) + different people, different ideas, different perspectives/approaches and tend to incorporate concepts from across domains.



Basic Concept modules

- Each month there will be focused sessions in fundamental principles of drug safety and effectiveness research in each of the four domains of science: Biosciences; Clinical Therapeutics; Population Health, Epidemiology & Biostatistics and Health Services & Policy. Self-study modules can be accessed online during weeks 1-3, and a synchronous group Elluminate discussion will occur during week 4.



OSKTE

- Object Structured Knowledge Translation Experience – a formative experience in researcher-decision maker knowledge transfer including constructive feedback and unique insight from real-life decision makers and mentors



Book Club

- The DSECT book club is designed to allow trainees, faculty, and alumni and others to participate in a guided discussion on a book related to drug safety and effectiveness or, related health care , statistics or scientific concepts.
- The purpose of the book club is to facilitate lively discussions on key topics and issues within each book and encourage participants to reflect on the overlying themes and messages presented within each of the selected books.



Application (materials on website)

- For stipend funding
 - Applications due Dec-Jan each year (next date to be set shortly)
- As an unfunded trainee
 - Applications anytime to participate in any or all of
 - Annual symposium
 - On-line curriculum
 - OSKTE
 - Funding and permission to be supplied by trainee/supervisor or an affiliated program [e.g. cNODES (DSEN)]



For more information

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