CENTRE FOR MEDICAL EDUCATION

Faculty of Medicine
McGill University
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ANNUAL REPORT

June 1, 2003 - May 31, 2004

Submitted by:
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I) Objectives:

The Faculty of Medicine Centre for Medical Education has a mission to:

- enhance the profile of medical education and medical education research in the faculty of medicine.
- stimulate research in medical education in the faculty of medicine.
- respond to consultations and requests related to the educational mission of the faculty in undergraduate, postgraduate, and continuing medical education.

II) Highlights of the Year 2003-2004:

**Full Professors:** Drs. Linda Snell and Yvonne Steinert were promoted to Full Professor, both largely on the basis of their education contributions.

**Advisory Council:** In February of 2004, we had a day-long visit of the Centre for Medical Education blue ribbon Advisory Council. Among the council members were Dr. Deborah Danoff (AAMC – Chair), Dr. Richard Reznick, Chair of Surgery, University of Toronto, Dr. Tim Meager, Associate Physician-in-Chief, Dept of Medicine, Dr. Hugh Scott, CEO, MUHC, Mr. Scot DeJong, Senior Executive Director, Development Office.

The day-long meeting consisted of several activities including presentations by centre members and core faculty, discussion between the Advisory Council members and the Director and Associate Director, and attendance at Medical Education Rounds. At the end of the day, we received preliminary feedback from the council in anticipation of a formal report at year’s end.

**Teaching Awards:** During the past academic year, core faculty and centre members received a grand array of teaching awards, all of which are tabulated in Appendix I.
**Distinguished visitors:** During the just completed academic year, we had visits from four distinguished visitors.

- **Dr. David Irby** from the University of California, San Francisco visited at the Centre and held discussions with several members. He also gave us a talk on Faculty Development.
- **Dr. Rita Charon** from Columbia University presented a seminar on narrative medicine.
- **Dr. Ron Smith** of Concordia University gave the Core Faculty and centre members a seminar on reflective learning.
- **Dr. Kelly Skeff** gave us a seminar on the Stanford University Faculty Development Dissemination Model.

**Centre Newsletter:** Under the guidance of Dr. Linda Snell and with the help of Sherrie Child, we published our first Newsletter entitled “Med Ed at McGill”.

**CAME/ACMC Meeting:** Centre members and Core Faculty were widely represented at the recent CAME meeting in Halifax, Nova Scotia. Among the member activities were plenary session presentations, research and development presentations, workshops, and a total of eight excellent posters.

**New Hires:** In the Fall of 2003 we were joined by Dr. Diana Tabatabai, a Research Associate, who has been instrumental in fostering and initiating many of the Centre research and development projects.

**Vision Paper:** Throughout the first five months of 2004, the Core Members, the Director, and the Associate Director put a great deal of time and effort into developing a strategic plan for the next five years. This vision paper for the Centre has now been submitted to the Dean for consideration. Highlights of that paper include requests for two named chairs, an endowment for the Centre, new faculty and targeting our perceived deficiencies in biostatistics and qualitative research.

**III) Activities 2003-2004:**

**Medical Education Rounds:** In conjunction with the Faculty Development Office, we presented five Medical Education Rounds during the academic year.

- **October 16, 2003:** “*Educational Innovations in Academic Medicine*” Dr. David Irby, Vice Dean for Education and Professor of Medicine, University of California, San Francisco.

February 5, 2004: “The Art of Teaching” Dr. Sarkis Meterissian, Department of Surgery & Centre for Medical Education), & Dr. Cynthia Weston, Centre for University Teaching & Learning & Department of Educational & Counseling Psychology, “Collaborative Learning” Ms. Aliki Thomas, School of Physical & Occupational Therapy & Centre for Medical Education, “The Use of Electronic Portfolios” Dr. Gustavo Duque, Division of Geriatric Medicine & Centre for Medical Education.

May 6, 2004: “Train the Trainer Module” Dr. Kelley Skeff, Stanford University

Teaching and Learning: The eleven Core Faculty held weekly meetings which feature:
- Discussion of research and development projects
- Journal clubs
- Feedback sessions in anticipation of national and international presentations
- Visits by distinguished guests
- Brainstorming sessions re: research and development projects

Masters of Educational Psychology with a Health Sciences Option: We developed a Masters subcommittee consisting of Drs Snell, Čapek, Steinert and McLeod from the Centre for Medical Education and Drs. Lajoie and Saroyan from the faculty of Education. As a result of the hard work of several committee members, a final draft proposal for the Master’s Program was submitted to and passed by the Faculty of Education Committee. It was also well received by the McGill Faculty of Medicine Committee. The program was then presented to the Executive Deanery where it was enthusiastically endorsed. We have had 10-12 inquiries about the Master’s program during the past year, and we anticipate the program will be in place by the Fall of 2005 if not earlier.

The Educator’s Curriculum: Using a modified Delphi expert opinion process among the Core Faculty we developed a course in basic pedagogic principles which we have called the “Educator’s Curriculum”. During the past academic year, we had 6 seminars, several of which included Centre Members and Core Faculty, on the important topics identified by the Delphi process.
**Consultations:** We have been very active as educational consultants. Among the organizations to whom we consulted are: Pan-American Health Organization, Canadian Neurology Society, and Urgence Santé. Other consultations have been rendered to Psychiatry, Internal Medicine, Palliative Care, Neurosciences, Pediatrics, and Radiology. The total number over the year exceeds 50.

**Students and Fellows:** Dr. P.J. Zimakas, a specialist in Pediatrics, completed a one-year fellowship in Health Sciences Education. He took education courses in the faculty of Education, and completed a project designed to develop a curriculum in Pediatric Endocrinology for family physicians and general pediatricians.

We interviewed seven potential candidates for the Fellowship in Health Sciences Education for the coming academic year, and have hired two fellows. Dr. Jennifer Walton is a fourth year resident in pediatrics, and Dr. Evelyn Caron is a third year resident in obstetrics/gynecology.

A final year medical student, Dr. Mylène Dandavino, completed a one month education elective under the supervision of Dr. Jeff Wiseman and Dr. Linda Snell. The outcome of this was a poster presentation on the importance of teaching medical students to teach. This poster was shown at the CAME meeting in Halifax.

**Research Fund Initiative:** Drs McLeod and Cruess met on numerous occasions with Dr. Bernard Charlin from the Université de Montréal to discuss methods of raising medical education research funds from provincial governments. We have developed a list of education publications over the past ten years from the four Quebec medical schools and are working on strategies to approach several provincial organizations for funding.

**Publications (January 1st 2003 - December 31st 2003):**


Education Research Grants:

Charlin, B., Roy, L., Boshuizen, H. A processing time study to test the psychological validity of diagnostics scripts (Association of Canadian Medical Colleges / Medical Research Council of Canada: $13,874)

Charlin, B., Gagnon, R., Millette, B. How many experts are needed in the criterion group for students to get reliable scores with the Script Concordance Test (The Royal College of Physicians and Surgeons of Canada: $22,800.)
Charlin, B., Gagnon, R. The effect of variability of answers among criterion experts to detect expertise with a SC test. National Board of Medical Examiners, Baltimore, USA ($49,500).

Charlin, B., R. Gagnon, B. Millette. «Influence of panel member background characteristics on aggregate scoring in an SC-test». (Medical Council of Canada ($21,642)


Cruess, RL, Cruess, SR. The Study of professionalism (The J.W. McConnell Family Foundation, $42,500)


Gottesman, R. Development of a modular web-based situated learning environment for Pediatric Critical Care (Royal Bank TLIF grant, 2003-2004, $10,000)

Gottesman, R. (Renewal McGill Faculty of Medicine / ICC, 2003-2004, $10,000)


Lajoie, S. Multi-Cultural Perspectives in Education, Program for North American Mobility in Higher Education (HDRC, $160,000)

Lajoie, S. Développement, integration et evaluation des technologies de formation et apprentissage (Valorisation Recherche Québec, $2,000,000)

Lajoie, S. Cognitive Tools for Extending Learning in Science (SSHRC, $133,500)
Lawlor, K., Steinert, Y. and Boston, P. Learning about Compassion in Medical Education. Canadian Institutes of Health Research-Association of Canadian Medical Colleges Research in Medical Education Grant, 2002-2003, $6,000).

Lemay, JF, Charlin, B., Des Côteaux, JG. Exploration of the use of the script concordance test in high stake paediatric certification examinations (Royal College of Physicians and Surgeons of Canada $17,637)

Liben, S. et al Improving resident evaluations: A faculty development dissemination workshop (Royal College of Physicians and Surgeons of Canada, 2003)


Meterissian, S., Charlin, B. 2004 Association for Surgical Education PI: Sarkis Meterissian Co-PI: Bernard Charlin Title: Is the Script-Concordance Test a valid instrument For the assessment of intra-operative decision-making Skills? Funding: $25,000/annum

Snell, L. Ziduka, A. and Rowat, B perceptions of bedside teaching by patients, teachers and trainees (Department of Medicine Research & Education Fund, $6,950, Gaspe de Beaubien Fund, $6,950)

Snell, L. Forgues, M. Outcomes of a CD-ROM-based educational activity ‘Chest Pain in the ER’ (Merck Frosst, $7,500)
Steinert, Y. The Role of Faculty Development in Centres of Medical Education (ACMC-AstraZeneca, Faculty Development Award, 2002-2003, $15,000)

Steinert, Y., McLeod, P., Liben, S., and Snell, L. From Innovation to Publication: Writing for Publication in Medical Education (Royal College of Physicians and Surgeons of Canada, Faculty Development Award, 2002-2003, $5,000)

Steinert, Y. and Nasmith, L. Extension of Community-Oriented primary Care in Argentina (CIDA Grant, 2001-2003, $79,000)

Steinert, Y. Extension of Community-Oriented Primary Care in Argentina. (CIDA Grant, 2002-2004, $79,000).

Steinert, Y., McLeod P., Liben S. and Snell, L. From Innovation to Publication: Writing for Publication in Medical Education. (Royal College of Physicians and Surgeons of Canada, Faculty Development Award, 2002-2003, $5,000).

Steinert, Y. The Role of Faculty Development in Centers of Medical Education. (ACMC-AstraZeneca, Faculty Development Award, 2002-2004, $4,000).

Steinert, Y. Evaluating Outcomes in Faculty Development, Part II. (Aventis Pharma, 2003-2004, $8,000).

Steinert, Y., Boillat, M., Liben, S. and McLeod, P. Improving Resident Evaluations: The Design and Delivery of a Faculty Development Dissemination Workshop (Royal College of Physicians and Surgeons of Canada, Faculty Development Award, 2003-2004, $5,000).

Snell, L. and Steinert, Y. Look before you leap: Defining the roles of faculty-wide programs in teaching the CanMEDS competencies. (Royal College of Physicians and Surgeons of Canada, 2003-2004, $23,000).

Weston, C. Amundsen, C., Weston, C. & Abrami, P. 2001-2004 A faculty development approach that focuses on learning for the effective integration of technology in higher education. Social Sciences and Humanities Research Council of Canada (SSHRC), $179,384 (Yr. 1: $59,504; Yr. 2: $60,690; Yr. 3: $59,190).

Appendix I

Honours Awards and Prizes: During the past academic year, Core Faculty and Centre Members have traveled locally and world wide. We calculate that that these individuals have delivered over one hundred and fifty presentations invited speaker talks and workshops. Among the awards and honours received by members are the following:

- **Dr. Greg Berry**
  - Teacher of the Year – Division of Orthopedic Surgery

- **Dr. James Brawer**
  - CAME Certificate of Merit
  - MMSS Teacher of the Year – Basis of Medicine

- **Dr. Richard Cruess**

- **Dr. Gustavo Duque**
  - ACMC John Ruedy Award for Innovation in Medical Education.
  - The Association of Canadian Medical Colleges.

- **Dr. Peter McLeod**
  - McGill Class of 2004. Best Basis of Medicine Lecturer Award
  - MMSS Nominee as Best Small Group Leader
  - Canadian Association for Medical Education. Ian Hart Senior Award for Distinguished Contributions to Medical Education in Canada, 2004.

- **Dr. Lorraine Portelance**
  - TALIF Award for Development of Computer-Based Teaching Models

- **Dr. Linda Snell**
  - Promotion to Full Professor, McGill University

- **Dr. Yvonne Steinert**
  - Promotion to Full professor, McGill University

- **Dr. Aliki Thomas**
  - Thelma Cardwell Award from the Canadian Occupational Therapy foundation: 2000$.
  - FCAR Doctoral Fellowship.