DEPARTMENT OF FAMILY MEDICINE
Faculty of Medicine & Dentistry
University of Alberta
Edmonton, Alberta, Canada

Research & Scholarly Activity Report

2010
Message from the Department Chair

Throughout 2010, the Department continued its upward research trajectory. Our grant funding has increased exponentially and a wider array of our members are obtaining grants. In step with these developments comes an increase in our productivity, as a perusal of the publications section of this report will attest. Along with papers in peer-reviewed journals, our members have published a variety of books, monographs, technical reports, and podcasts, and more are in the pipeline for 2011. All-in-all, 2010 was a solidly productive year for the Department.

Our research enterprise is now about to undergo a sea-change. We are developing plans for a Practice-Based Research Network (PBRN) that will span the province. We are seeking collaboration with our colleagues in the Department of Family Medicine at the University of Calgary, as well as those at the Alberta College of Family Physicians. The PBRN will anchor our research activities for years to come, and through the work we do and the discoveries we make we hope to greatly influence the delivery of primary care services in Alberta.

Finally, to build upon our research strengths, we are now recruiting for two Endowed Chairs positions: one in Primary Care Research, and the other in Health Informatics. These are major recruitments that will continue us on our research trajectory.

None of this, of course, would be possible without our partners, to whom we are in such debt: Alberta Health and Wellness and Alberta Health Services partner with us in our AARP, and both organizations are leading much needed change in our province’s primary care system; the Alberta Medical Association and the Alberta College of Family Physicians both join us in the support of research and scholarly activity, as well as in many other areas vital to the education of family physicians; the Section of Researchers of the College of Family Physicians of Canada and the North American Primary Care Research Group continue to aid and abet us in discovery and learning. To all of you, our deepest thanks.

G. Richard Spooner, MD, CCFP, FCFP
Professor and Chair
Introduction by the Research Director

We are pleased to present this report on the research activity of our research program, which can be categorized, into five areas of research:

- **Health services research** - access to care, health systems, quality of care, capacity of care, manpower issues, and evaluation of models of health delivery.

- **Medical education research** in:
  a. Undergraduate family medicine education - assessment of student performance, evaluation of instructors, comprehensive clinical skills, medical school experience, professionalization of medical students, how students choose their career and parallel charts.

- **Care of the elderly research** includes cognitive impairment/dementia risk factors in the acute care setting, capacity assessment, collaborative models of care in the community, barriers to care, care models in supportive living, the frail elderly, and assessment tools.

- **Research on distinct populations** encompasses chronic disease, aboriginal health, vulnerable populations, cross-cultural health/cultural competency skills, and medically at-risk drivers.

- **Research related to the discipline of family medicine** includes continuity of care, doctor-patient relationships, professional issues, quality of family practice, and clinical or procedural research in family medicine.

There are two research centres within the Department. The *Medically At-Risk Driver Centre* (MARD) operates under the direction of Bonnie Dobbs, PhD. MARD researchers work with the government and community partners to address the growing and preventable public health issue of medically impaired drivers. The *Centre for the Cross-Cultural Study of Health and Healing* (CCSSH) is committed to multi-disciplinary and cross-cultural research, cultural competence for health care professionals, education, and practical health and healing applications. Earle Waugh, PhD, is the Director of the CCSHH.

We are also involved with the Canadian Primary Care Sentinel Surveillance Network (CPCSSN). CPCSSN is a sub-entity of the College of Family Physicians of Canada and the first pan-Canadian primary care surveillance and research network.

Our resident research program aims to bring research to the bedside through developing competencies in evidence-based medicine (EBM) and quality improvement. The resident research curriculum consists of:

- The EBM component: (a) A two day mandatory EBM workshop at the outset of residency to facilitate the development of EBM skills and competencies; (b) The mandatory completion of four Brief-Evidenced Assessment of Research (BEARs) during the 1st year residency blocktime; (c) Monthly mandatory sessions that include: critical appraisal through journal club and information sessions on what’s new in EBM; how to keep up-to-date; industry; and more.
- A mandatory practice quality improvement project is completed in the 1st and 2nd year of residency.
- Monthly resident research evenings (optional).
- Research electives (optional).
- Resident Research Day (mandatory).

We hope you enjoy reading our annual report!

*Donna Manca, MD, MCISc, CCFP, FCFP*

*Associate Professor/Director of Research*
The Research Committee

Members
- Donna Manca, Chair/Research Director
- Olga Szafran, Associate Director (Research)
- Rick Spooner, Department Chair
- Bonnie Dobbs, Research Director, Division of Care of the Elderly
- Andrew Cave, Research Faculty/UAH Rep
- David Moores, RAH Rep
- Sheny Khera, MIS Rep
- Ginetta Salvalaggio, GNH Rep
- Michael Allen, NECHC Rep
- Jean Triscott, Director, Division of Care of the Elderly
- Shelley Ross, Medical Education Researcher

Associate Members
- Earle Waugh, Director, Centre for the Cross-Cultural Study of Health & Healing

Research Administrative Staff
- Shufen Edmondstone
- Peggy Lewis

Resident Research Representatives 2009/2010
- Anne Huang
- Firdaus Mydeen
- Mehrnoosh Shamsi
- Kirstin Moritz
- Nadder Sharif

MISSION:
To promote, support, create and disseminate research knowledge and scholarly activity in the discipline of family medicine, increase research capacity in the Department of Family Medicine, and enhance the research skills of faculty members, residents and students.

VALUES:
★ Excellence and quality in research and scholarly activity;
★ interdisciplinary collaboration on research projects;
★ highest ethical standards in the conduct of research projects; and
★ the diversity of generalist family practice and the research questions that arise.
### Faculty

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<tr>
<td>Allan, Michael</td>
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<td>Manca, Donna</td>
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<td>Armstrong, Denise</td>
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<td>Nichols, Darren</td>
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<td>Parmar, Jasneet</td>
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<td>Behn Smith, Daniele</td>
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<td>Peng, Judy</td>
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<td>Campbell-Scherer, Denise</td>
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<td>Stickney-Lee, Jennifer</td>
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<td>Cave, Andrew</td>
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<td>Tan, Olga</td>
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<td>Levy, Michelle</td>
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<td>Charles, Lesley</td>
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<td>Korownyk, Christina</td>
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### Research Staff

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<tr>
<td>Ballermann, Mark</td>
<td>Research Associate</td>
<td>McKay, Rhianne</td>
<td>Research Coordinator, CoE</td>
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<tr>
<td>Bhardwaj, Param</td>
<td>Research Associate, MARD</td>
<td>Mozgala, Victoria</td>
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<td>Duerksen, Kim</td>
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<td>Edmondstone, Shufen</td>
<td>Research Admin Asst</td>
<td>Pidborochynski, Tara</td>
<td>Study Coordinator, BETTER</td>
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<tr>
<td>Forst, Brian</td>
<td>Data Administrator, CPCSSN</td>
<td>Sunley, Shanna</td>
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<td>Kam, Kitty</td>
<td>Data Analyst – BETTER</td>
<td>Tassone, Frances</td>
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<td>Lewis, Peggy</td>
<td>Secretary, Research Program</td>
<td>Wright, Colleen</td>
<td>Practice Facilitator Assistant, BETTER</td>
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Grey Nuns Family Medicine Centre  
Royal Alexandra Family Medicine Centre  
Walter Mackenzie Health Sciences Centre  
Misericordia Family Medicine Centre  
Northeast Community Health Centre
NEW APPOINTMENTS

- Dr. Michael Kolber joined the Department as Associate Professor, effective September 2010.

AWARDS and ACCOLADES (Received during 2010)

- Noreen Bhanji (medical student) was awarded the 2010 NAPCRG Student Research Reward. She worked on the project “Direct Costs of Asthma Care in Canada” (Supervisor: Cave AJ).
- Helene O’Connor (resident) was the recipient of the 2010 CFPC Family Medicine Award for Scholarship and the Department of Family Medicine Resident Award for Scholarship, for the project “Obesity Weight Loss Goals.” (Supervisor: Dr. Donna Manca)
- Jamil Hirji (resident) was awarded the Department of Family Medicine Resident Leadership Award.
- Dr. Fred Janke was awarded a Fellowship in Rural and Remote Medicine by the Society of Rural Physicians of Canada.
- Dr. Earle Waugh was honored for his work with the Plains Cree Aboriginal Community. He was bestowed with the Cree name ‘Pewapiki-mostos’ (Iron Bull). The Alberta College of Pharmacists and the Alberta Pharmacists’ Association also presented Dr. Waugh with the 2010 APEX Friend of Pharmacy Award.
- Erin Newman and Dr. Bonnie Dobbs won the Best Poster Presentation at the Glenrose Rehabilitation Hospital Spotlight on Research Breakfast for “Empowering caregivers of patients with dementia whose driving privileges have been revoked.”
- Dr. Jasneet Parmar was recognized by the College of Physicians and Surgeons of Alberta for her ongoing support to improving medical practice in Alberta.
- Tim Cooper and Drs. Parmar, Dobbs and Marin were awarded the Canadian Geriatrics Society Prix Willard and Phebe Thompson Prize for the poster “Improving the diagnosis and management of dementia in primary care – an innovative, collaborative approach in the WestView Primary Care Network.”
- The Reviewers Choice Award, AFPRN Poster Presentation, at the 2010 Annual Scientific Assembly of the Alberta College of Family Physicians was awarded, for the study “Alberta Family Medicine Graduates 21 Year Trends in Practice Preparedness, Practice Location & Lifestyle Satisfaction.” Crutcher R, Szafran O, Chaytors G, Kreptul D, Humphries P, Woloschuk W, Konkin J.
2010 GRANTS RECEIVED (Peer-Reviewed)


- Wein FC, Andersson N, Arboult LT, Bartlett C, Bastien BJ, Baydala LT, **Behn Smith D**, Tuma T. CIHR Network Environments for Aboriginal Health Research. Canadian Institutes of Health Research. $9,297,961.

2010 GRANTS RECEIVED (Non-Peer-Reviewed)


- **Allan GM**, Korownyk C. Laboratory Monitoring of Electrolytes and Creatinine in Patients on Hypertension Therapy. Edmonton North Primary Care Network. $11,000.

- **Allan GM**, Korownyk C. Evidence Summary and Dissemination in Primary Care. Alberta College of Family Physicians. Amount: $120,000.


- **Parmar J**, **Dobbs B**, Marin A. Improving the Diagnosis and Management of Dementia in Primary Care – An Innovative, Collaborative Approach in the Westview Primary Care Network. Pfizer Pharmaceuticals Canada. $10,000.

### 2010 GRANTS RECEIVED (Non-Peer-Reviewed) cont.


### NON-FUNDED PROJECTS

- **Behn Smith D, Ross S.** Aboriginal Health Core Competencies: Incorporating Aboriginal Health Issues into Medical Education.
- **Behn Smith D.** Aboriginal Health Day Program Evaluation.
- **Behn Smith D.** The Impact of Traditional Healing Electives on Indigenous Medical Students and Residents: A Pilot Study.
- **Campbell-Scherer D, Green LA, Nease DE, Szafran O.** Development of an Interactive Model for Patient Panel Management in Family Practice.
- **Campbell-Scherer D, Ross S, Schipper S.** Effectiveness of Academic Benchmarking Examinations.
- **Cave AJ.** Effect of Facilitating Third Year Clerk Groups Using Parallel Charts for Narrative Reflective Practice.
- **Charles L.** Anxiety and Depression in the Elderly.
- **Charles L.** Capacity Assessment in the Elderly.
- **Feiner H, Pottie K, Salvalaggio G.** Prescription Heroin vs. Methadone: Systematic Review.
- **Janke F, Ross S.** Exploring the Implications of Social Networking Sites on Professionalism.
- **Janke F, Ross S.** Using On-Line Technologies to Deliver Medical Education in a Distributed Learning Environment.
- **Janke F.** Developing a Therapeutics Curriculum in a Residency Program.
- **Janke F.** Ten Years of Rural Alberta North: Lessons Learned and Goals to Strive For.
- **Khera AS.** Effect of a Medical Day-Camp Program on Knowledge, Interest, Self Concept and Medical Career Aspirations of Low Income High School Students.
- **Konkin J, Auvigne S.** Preclinical Networked Medical Education Qualitative Student Study.
- **Konkin J, Auvigne S.** Preclinical Networked Medical Education Student Survey.
- **Konkin J, Auvigne S.** Preclinical Networked Medical Education Faculty Survey.
NON-FUNDED PROJECTS cont.

- **Konkin J, Brenneis F.** Multi-year Tracking Study.
- **Konkin J, Suddards C.** Integrated Community Clerkship Program Evaluation: Year 3 Student Survey.
- **Konkin J, Suddards C.** Qualitative Study Rural Integrated Community Clerkship Year 3 Students.
- **Konkin J, Suddards C.** A Qualitative Study of Integrated Community Clerkship Students at the End of 4th Year.
- **Konkin J, Suddards C.** Integrated Community Clerkship Graduates Comparative Quantitative Study.
- **Levy M.** The Experience of Junior Family Medicine Faculty: Does Mentoring Play a Role?
- **McLeod S, Gill H, Szafran O.** Factors Influencing Medical Students Career Choice of Family Medicine and Rural Practice Location.
- **Nichols D, Ross S.** How do Emergency Medicine – Family Medicine Residents Self-Identify?
- **Parmar, J.** Brett-Maclean P, Cave M. Narrative Reflective Practice in a Patient-Centered Course: Using Film to Introduce Narrative Reflection to First Year Medical Students.
- **Peng J.** Reliability of a Modified Functional Health Literacy Test in Elderly Adults: A Pilot Study.
- **Ross S, Donoff M, Humphries P.** Formative Assessment in Medical Education.
- **Salvalaggio G, Stebleki L.** Aiming for Change: An Educational Initiative to Improve Medical Student Knowledge, Skills, and Attitudes about Addiction.
- **Sayah AI, Bell NR, Williams B, Szafran O, Robertson S, Werbiski-Wood P.** Facilitators and Barriers to Inter/Multidisciplinary Teamwork in Primary Care: A Nursing Perspective.
- **Suleman, S. Konkin J.** Women Honoring Women.
- **Tan A.** The Educational Experience and Outcomes of Implementing a Palliative Care Online Virtual Patient Case into a Third Year Family Medicine Clerkship Rotation Curriculum.
- **Triscott J, Dobbs B, McKay R, Green C.** Prevalence, Type, and Treatment of Geriatric Assessment and Management.

OTHER ONGOING RESEARCH PROJECTS (2006-2015)

- **Bell NR, Lewanczuk R, Spooner GR, Szafran O, Williams B, Donaldson-Kelly S, Moe G, Jacobs P.** Improving the Care of Diabetic Patients: A Randomized Trial of a Family Physician Office-Based Chronic Disease Model for Patients with Type 2 Diabetes. Alberta Heritage Foundation for Medical Research. $149,700.
- **Bell M, Manca D, Godwin M.** Field Validation of a Self-Administered Early Inflammatory Arthritis (EIA) Detection Tool in Primary Care Environment. Canadian Arthritis Network Research Program. $211,300.

- **Bell N, Szafran O, P Jacobs.** Improving the Care of Diabetic Patients: A Randomized Trial of Family Physician Office-Based Chronic Disease Care Model for Patients with Type 2 Diabetes: Economic Analysis. Sanofi-Aventis Canada Inc. $35,000.


- **Behn Smith D.** Community-Based Participatory Research Relationship Building with an Aboriginal Community as a Means to Facilitate Cultural Competency Development for Family Medicine Residents. College of Family Physicians – Janus Research Development Grant. $1,500.


- **Cave AJ, Mcgahan S, Spier S, Sharpe H.** To Examine the Introduction of an Alberta Asthma Action Plan into Primary Care Networks in Alberta. Alberta Lung Association. $25,000.

- **Cave AJ, Cave MT, Clandinin J, Thomson A.** Parallel Charts for Training in Reflective Practice in Medical Residency. Dr. Scott H. McLeod Family Medicine Memorial Fund. $23,600.


- **Cox D, Kaplan A, Mayers I, Cave AJ, Wong E, Ahmadi E.** Alpha1 Anti-trypsin Deficiency Screening Study in Family Practice. Talecris. $160,378.


- **Dobbs BM, Spence I, Troung KN.** Innovative Technologies to Support Safe Driving and Optimal Driving Transitions in Aging Population. Canadian Institutes of Health Research. $50,000.

- **Dobbs BM, Dobbs A, Strain L.** The Medically At-Risk Driver Centre. Insurance Bureau of Canada. $150,000.


• Drummond N, Peng J, Triscott J. Dementia Services and Health Outcomes – CIHR Banff Collaboration Cohort Study. Alberta Heritage Foundation for Medical Research. $150,000.

• Field C, Fayyaz F, Brenier F, Bridge P, Manca D, Goodewarde L, Eliasziw M. Effect of Gene Polymorphism in Folate Metabolism on Folate Status in Early Pregnancy: A Sub-Project on the Alberta Pregnancy Outcomes and Nutrition (APrON) Cohort. Faculty of Agricultural, Life and Environmental Sciences - Food and Health Initiative. $30,000.


• Juby A, Peng J, Stickney-Lee J. An Open-Label Extension Study Examining the Safety and Tolerability of Memantine in Patients with Moderate to Severe Dementia of the Alzheimer’s Type Having Completed Study Number 10158. Lundbeck Pharmaceuticals [Clinical Trial]. $2,094.

• Juby A, Peng J, Stickney-Lee J. A Randomized, Double-Blind, Parallel-Group Study Examining the Efficacy and Safety of Memantine in Patients with Moderate to Severe Dementia of the Alzheimer’s Type. Lundbeck Pharmaceuticals [Clinical Trial]. $7,138.


• Juby A, Peng J. A Long-Term Follow-up Study of Oral ELND005 (AZD-103) in Subject’s with Alzheimer’s. Elan [Clinical Trial]. $907.

• Juby A, Peng J. A 48 week multicentre randomized, double-blind, parralel- group evaluation of the comparative efficacy, safety, and tolerability of ExelonA® 10 and 15 CM2Patch in patients with Alzheimer’s disease showing cognitive decline during an initial open-label. Novartis [Clinical Trial]. $10,185.


• Klein D. Physician Performance Improvement: Linking Clinical Practice Audit to Quality Care Improvement. Merck Frosst. $10,000.

• Korownyk C, Allan GM, Manca D. Answering Clinical Questions in Practice: Comparison of Graduates from University of Alberta’s New Evidence-Based Medicine Curriculum and Those from Other Programs. College of Family Physicians of Canada (Janus Research Grant). $5,000.


• Parmar J, Dobbs BM, Marin A. Improving the Diagnosis and Management of Dementia in Primary Care – An Innovative, Collaborative Approach in the Westview Primary Care Network. Lundbeck Pharmaceuticals, Ortho-Janssen, Pfizer Canada. $15,000.

• Parmar J, Braslavsky A. Site-Wide Implementation and Support of Capacity Assessment Model for Caritas. Caritas Health Group. $20,000.


• Stewart-Harawira M, Nutall M. [Team Member: Cardinal C]. Energy Development and the Prosperity and Well-being of Aboriginal Communities in Northern Alberta. Social Sciences and Humanities Research Council. $226,000.

• Ross S, Donoff M, Steiner I. Competence-Based Achievement System. Killiam Research Grant. $7,500.

• Spooner GR, Tarumi Y, Szafran O. Randomized Double-Blind, Placebo-Controlled Trial of Oral Docusate for Preventing/Treating Constipation in Palliative Care Patients. Caritas Research Fund. $1,700.

• Spooner GR, Tarumi Y, Szafran O. Randomized Double-Blind, Placebo-Controlled Trial of Oral Docusate for Preventing/Treating Constipation in Palliative Care Patients. College of Family Physicians of Canada (Janus Research Grant). $5,000.


• Aaron S, Al-Watban L, **Manca D.** Scrotal involvement in an adult with Henoch-Schonlein purpura. *Clinical Rheumatology* 2010(Sep). http://www.springerlink.com/content/w5335487t7qm217q/.

• **Allan GM, Ivers N, McCormack J.** Type 2 diabetes and ASA. *Canadian Family Physician* 2010; 56(7): 664.


• Brett-Maclean PJ, **Cave MT, Yiu V, Kelner D, Ross DJ.** Film as a means to introduce narrative reflective practice in medicine and dentistry: A beginning in longitudinal story. *Reflective Practice* 2010; 11(4): 499-516.


• Clandinin DJ, **Cave MT, Cave A.** Narrative reflective practice in medical education for residents: Composing shifting ideas. *Advances in Medical Education and Practice* 2010; 2011(2): 1-7.


• Cooper T, **Parmar J, Dobbs BM, Marin A.** Improving the diagnosis and management of dementia in primary care – an innovative, collaborative approach in the WestView Primary Care Network. [abstract] *Canadian Geriatric Journal* 2010; 12(1): 46.


• Klein D, **Allan GM, Manca D, Korownyk C.** Research interest group demonstrates effects of collaboration. *Canadian Family Physician* 2010; 56(8): 830-831.

• **Korownyk C, Allan GM, Kolber M.** Bone mineral density testing: Too much of a good thing? *Canadian Family Physician* 2010; 56(12): 1299.

• **Korownyk C, Allan GM.** Motivating patients to activity: A light at the end of the couch? *Canadian Family Physician* 2010; 56(9): 887.
PUBLICATIONS (Peer-Reviewed) cont.


• Dobbs BM, Dobbs AR, Triscott J. Safe driving for seniors: Knowing when it’s time to quit. Family Health Fall 2010; 20: 23-25.


OTHER PUBLICATIONS/REPORTS (Non Peer-Reviewed) cont.


BOOKS, MONOGRAPHS, TECHNICAL REPORTS

- **Dobbs BM.** Stop Go: A newly designed kit with evidence-based tools proven to help you identify, assess, and support medically at-risk drivers. Edmonton, Alberta. 2010 [Manual].
OTHER MEDIA/PUBLICATIONS

- **Dobbs BM.** Introduction to the SIMARD MD. Edmonton, Alberta. *DMB Video Productions.* 2010 [video].
- **Dobbs BM.** Administration of the SIMARD MD. Edmonton, Alberta. *DMB Video Production.* 2010 [video].
- **Dobbs BM.** Scoring the SIMARD MD. Edmonton, Alberta. *DMB Video Productions.* 2010 [video].
- **Dobbs BM.** & Daly S. The SIMARD MD Nursing Practice Perspectives. Edmonton, Alberta. *DMB Video Productions.* 2010 [video].
- **Parmar J.** Assessment of decision-making capacity. Geriatric Medicine/Care of the Elderly Joint Division. 2010 [podcast].
- **Parmar J.** Assessment of decision making capacity and clinical implications of legislative acts. Geriatric Medicine/Care of the Elderly Joint Division. 2010 [podcast].
PRESENTATIONS

Members of the Department make numerous presentations every year on a broad range of topics. Included in this report are presentations which are research-focused and/or of a scholarly nature. Presentations which are more of an educational, CME, or community service nature have not been included in this report. Department of Family Medicine faculty members are denoted in bold; actual presenter(s) are denoted in CAPS.


- **ALLAN GM.** When the right thing is wrong, what’s left? [keynote address] Royal New Zealand College of General Practitioners Conference. Christchurch, New Zealand. September 5, 2010.


- **Bell NR, Szafran O, WERBISKI WOOD P, Al Sayah F.** Improving the Care of Type 2 Diabetic Patients – A Randomized Controlled Trial: Nursing Component of Family Practice Team-Based Care. [poster] 55th Annual Scientific Assembly of the Alberta College of Family Physicians (AFPRN Research Oral & Poster Presentations). Banff, Alberta. February 25, 2010.


- **BRETT-MACLEAN P, CAVE MT.** Moving Pictures: The Use of Film and Narrative Reflection in a First Year Patient-Centred Care Course. [workshop] Canadian Conference on Medical Education. St. John’s, Newfoundland. May 1-5, 2010.


PRESENTATIONS cont.
Department of Family Medicine faculty members are denoted in bold; actual presenter(s) are denoted in CAPS


- **DOBBS BM.** Safety and Mobility of Older Drivers - A Focused and Integrated Approach. *[oral presentation]* Mobility, and Aging Symposium, National Transportation Safety Board. Washington, DC. November 9, 2010.


• KOROWNYK C, Aaron S, Ross S, Allan M. A Brief Evidence-Based Assessment of Research: Are We Helping Residents Become Evidence-Users? *poster* E.N. Skakun Award for Service to Education Poster Session and Award Ceremony. Faculty of Medicine & Dentistry, University of Alberta, Edmonton, Alberta. September 21, 2010.


• Nathoo N, KLEIN D, DEGARA C. Audit of Accreditation Criteria and Levels of Evidence in Section 1 Royal College of Physicians and Surgeons of Canada Accredited Conferences. [facilitated poster session] Canadian Conference on Medical Education. St. John’s, Newfoundland. May 1-5, 2010.


PRESENTATIONS cont.  
Department of Family Medicine faculty members are denoted in **bold**; actual presenter(s) are denoted in **CAPS**


PRESENTATIONS cont.

Department of Family Medicine faculty members are denoted in bold; actual presenter(s) are denoted in CAPS


- **WAUGH E.** Canadian Muslims’ Perspectives on a Good Death. [invited speaker] 18th International Congress on Palliative Care. Montreal, Quebec. October 5-8, 2010.


RESEARCH FORUM

The Research Forum is a monthly research seminar series aimed at developing faculty research skills and fostering and supporting research activity within the Department of Family Medicine. It is held from September to June of each academic year.

<table>
<thead>
<tr>
<th>Date</th>
<th>Presentations</th>
</tr>
</thead>
<tbody>
<tr>
<td>January 28, 2010</td>
<td>Multi-Morbidity: Research on the Challenges to the Practice of Evidence-Based Primary Care – Dr. Denise Campbell-Scherer</td>
</tr>
<tr>
<td>March 25, 2010</td>
<td>Research Ethics - Ms. Charmaine Kabatoff</td>
</tr>
<tr>
<td>May 27, 2010</td>
<td>Thinking Narratively: A Tool for Fostering Professional Development in Medical Learners. A Review of Findings to Date – Dr. Andrew Cave</td>
</tr>
<tr>
<td>June 24, 2010</td>
<td>What do Family Medicine Graduates Say About Locum Practice? – Dr. Jill Konkin</td>
</tr>
<tr>
<td>September 23, 2010</td>
<td>Family Physicians and Specialists Sharing the Load – Dr. Donna Manca</td>
</tr>
<tr>
<td>October 28, 2011</td>
<td>Primary Care Data Revealed – An Electronic Data Presentation Tool – Mr. Brian Forst</td>
</tr>
</tbody>
</table>

◊◊◊◊◊◊◊
OTHER RESEARCH-RELATED/SCHOLARLY ACTIVITY

Allan M
- Reviewer, Canadian Family Physician
- Reviewer, Canadian Medical Association Journal
- Reviewer, RxFiles Various EBM Summary Content

Behn Smith D
- Reviewer, Canadian Family Physician
- Reviewer, AFMC Primer on Population Health

Bell N
- Reviewer, British Journal of General Practice
- Reviewer, Canadian Family Physicians
- Reviewer, Canadian Medical Association Journal
- Board Member, Canadian Task force on Preventive Health Care
- Reviewer, Medical Care

Campbell-Scherer D
- Co-Editor, Evidence-based Medicine – BMJ Journals

Cave A
- Reviewer, Annals of Family Medicine
- Board Member, British Journal of General Practice
- Reviewer, Canadian Family Physician
- Grant Panel, CIHR Knowledge Synthesis Grant Committee
- Grant Reviewer, College of Family Physicians of Canada (section of Researchers)
- Grant Reviewer, College of Family Physicians of Canada (Janus Awards)
- External Faculty Reviewer, Dalhousie University
- Reviewer, Family Practice
- Reviewer, Indian Journal of Pharmacology
- Reviewer, North American Primary Care Research Group Annual Meeting

Cave MT
- External Reader, St Stephen’s College

Dobbs B
- Reviewer, British Journal of Clinical Psychology
- Board Member, Saskatchewan Health Research Foundation

Humphries P
- Grant Reviewer, CFPC 2010 Janus Continuing Professional Development (CPD) Scholarships

Janke F
- Reviewer, Medical Education Online

Klein D
- Reviewer, Journal of Continuing Education for Health Professionals

Kolber M
- Reviewer, Canadian Family Physician
- Reviewer, Canadian Medical Association Journal

Konkin J
- Reviewer, Canadian Journal of Rural Medicine

Korownyk C
- Reviewer, Towards Optimized Practice
OTHER RESEARCH-RELATED/SCHOLARLY ACTIVITY cont.

Manca D  
- Chair, Alberta College of Family Physicians – AFPRN Workshop & Poster Session  
- Reviewer, Canadian Family Physician  
- Reviewer, Family Practice  
- Clinical Director, Alberta Family Practice Research Network

Moores D  
- Reviewer, Canadian Medical Association Journal  
- Board Member, Research Ethics Review Panel, College of Physicians and Surgeons of Alberta  
- Reviewer, Family Practice

Nichols D  
- Reviewer, Canadian Journal of Emergency Medicine  
- Reviewer, Canadian Journal of Rural Medicine

Peng J  
- Grant Reviewer, CIHR Aging Panel

Ross S  
- Reviewer, American Educational Researchers Association Conference  
- Board Member, Canadian Journal of Education  
- Reviewer, International Journal of Science and Mathematics

Salvalaggio, G  
- Reviewer, Canadian Family Physician

Spooner GR  
- Reviewer, Canadian Family Physician

Szafran O  
- Reviewer, AFPRN Research Presentations, Annual Scientific Assembly, Alberta College of Family Physicians  
- Grant Reviewer, Janus Research Grants, College of Family Physicians of Canada  
- Grant Reviewer, Research Awards for Family Medicine Residents, College of Family Physicians of Canada  
- Reviewer, Journal of Graduate Medical Education  
- Reviewer, North American Primary Care Research Group (NAPCRG) Conference

Triscott J  
- Reviewer, Canadian Journal of Geriatrics  
- Master of Science Review Committee, Faculty of Nursing, University of Alberta  
- Reviewer, Geriatrics and Aging

Waugh E  
- Editor in Chief, Religious Studies and Theology: An Interdisciplinary Journal  
- Book Reviewer, American University in Cairo Press  
- Book Reviewer, B Tauris Publisher  
- Education Consultant, Alberta Caregivers Association
FAMILY MEDICINE RESEARCH DAY – JUNE 4, 2010

Plenary Address
“Multi-Morbidity in Primary Care: Implications for Research in Chronic Disease Prevention Screening and Management” - Dr. Denise Campbell-Scherer, Associate Professor, Department of Family Medicine, University of Alberta and Director, Grey Nuns Family Medicine Centre

Oral Presentations
- Screening Mammograms – Practice Audit – Dr. Stephanie Mullin
- Aspirin Usage in Urban Alberta – Dr. Nadder Sharif
- Prevalence of Abusive Encounters in the Workplace of Family Physicians – Dr. Donna Manca
- Completion Rate of Postpartum Screening for Diabetes in Women with a Previous History of Gestational Diabetes – Dr. Abeer Alahmadi
- Project Healing: Lung Health Study of a Small Northern Alberta Community – Marc Curial
- Family Medicine Residents’ Risk of Adverse Motor Vehicle Events – Comparison Between Urban and Rural Placements – Dr. Fred Janke
- Elevated Mean Corpuscular Volume (MCV) and B12 Deficiency Screening in a Community Practice – Dr. Justin Kopp
- The Prevalence and Risk Factors of Delirium and the Use of the Seniors’ Delirium Protocol in Older Patients Admitted to the Primary Care Health Team at the Grey Nuns Community Hospital – Dr. Lotje Wasilenko
- Results of Pilot Implementation of the Competency-Based Achievement System (CBAS) – Dr. Shelley Ross
- The Varicella Vaccine and the Changing Face of Chickenpox in Alberta – Dr. Christopher Krause
- Prenatal Screening for Fetal Aneuploidy – Dr. Maileen Lim
- How Electronic Medical Records Can Get in the Way of Clinicians Multitasking and Providing Patient Care – Dr. Mark Balle
- Colorectal Cancer Screening in North East Community Health Centre for Patients 50-55 years old – Drs. Ashraf Shalaby, Jessica Kirkwood, Dalia Abdellatif

Posters
- Bell NR, Szafran O, Werbiski Wood P, Al Sayah F. Improving the Care of Diabetic Patients: A Randomized Controlled Trial. Nursing Component of Family Practice Team-Based Care.
- Duerksen K, Forst B, Manca D. Canadian Primary Care Sentinel Surveillance Network: Disease Prevalence and Data Quality in Edmonton.
- Gee C, Plohotniuc E, Saleh N, Sun D. Looking at LDL-C Targets in High-Risk Type 2 Diabetes Mellitus Patients at the Misericordia Family Medicine Centre.
- Hinshaw D. Geriatric Inpatient Influenza Immunization.

Acknowledgements: Family Medicine Residents’ Association (FMRA), Alberta Rural Physician Action Plan (RPAP), Alberta College of Family Physicians and Department of Family Medicine
PRACTICE QUALITY IMPROVEMENT (PQI) PROJECTS (2nd Year Residents)

During the second year of the Family Medicine Residency Program, each resident, in collaboration with his/her community preceptor and faculty advisor undertakes a project on Practice Quality Improvement (PQI). The purpose of the PQI project is to provide family medicine residents the opportunity to develop the skills required to implement the process of quality assessment and improvement in their clinical practices.

2009/2010 Academic Year

<table>
<thead>
<tr>
<th>Resident</th>
<th>PQI Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALMOND, Chris</td>
<td>Is betahistine often prescribed in clinical situations in which it is not indicated?</td>
</tr>
<tr>
<td>AHMADI, Elaheh Mousa</td>
<td>The number of the HbA1c evaluations in 2009 among patients with type 2 diabetes in a Family Medicine Clinic.</td>
</tr>
<tr>
<td>AZZI, Wadih</td>
<td>The efficacy of the Towards Optimized Practice (TOP) practice guidelines for the screening of osteoporosis in patient’s that ≥ 65 years old.</td>
</tr>
<tr>
<td>BALKO, Justin</td>
<td>Assessing the vaccination rates for seasonal influenza and pneumococcus in diabetic patients in a community Family Medicine Clinic.</td>
</tr>
<tr>
<td>BANANDA, Sunil Shambu</td>
<td>How many females between age 9-26 years in a family medicine clinic are documented as receiving the human papillomavirus vaccination?</td>
</tr>
<tr>
<td>BEGALKE, Annette</td>
<td>What is the colorectal cancer screening rate for average risk patients between 50 and 75 years of age in a community family medicine clinic?</td>
</tr>
<tr>
<td>BULAWKA, Craig</td>
<td>Are patients at an inner city health clinic being screened for tobacco use and appropriately counseled to quit?</td>
</tr>
<tr>
<td>CHARI, Anish</td>
<td>Screening rates for osteoporosis at a family medicine clinic.</td>
</tr>
<tr>
<td>CROMPTON, Daniel</td>
<td>Effectiveness of the Bonnyville Living Well exercise program for weight loss.</td>
</tr>
<tr>
<td>DELIYANNIDES, Alexandra</td>
<td>Waist circumference in family medicine: How well are we using this marker to identify health risk in our adult patients?</td>
</tr>
<tr>
<td>DUTA, Valentin</td>
<td>Treatment with angiotensin converting enzyme inhibitors or angiotensin II receptor blockers in patients with diabetes mellitus irrespective of a diagnosis of hypertension.</td>
</tr>
<tr>
<td>EVANS, Kenneth</td>
<td>Screening mammography in females aged 50 to 69 years for one family physician at a rural family medicine clinic.</td>
</tr>
<tr>
<td>GABRA, Nancy</td>
<td>Screening tools that could save your life: Annual physical as per Canadian guidelines.</td>
</tr>
<tr>
<td>GARCEA, Cristina</td>
<td>Blood pressure monitoring in the family medicine clinic.</td>
</tr>
<tr>
<td>GRAHAM, Nicholas</td>
<td>Osteoporosis screening for male seniors: A practice quality improvement study.</td>
</tr>
<tr>
<td>HAMID, Haroon</td>
<td>Identification of diabetics at high risk of coronary events by an electrocardiograph tracing every two years.</td>
</tr>
<tr>
<td>Resident</td>
<td>PQI Topic</td>
</tr>
<tr>
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</tr>
<tr>
<td>HARRISON, Sarah</td>
<td>How many people, less than 60 years of age with type 2 diabetes mellitus, are meeting their target hemoglobin A1C levels in a rural family medicine clinic?</td>
</tr>
<tr>
<td>HIRJI, Jamil</td>
<td>How well are we screening for abdominal aortic aneurysm with one-time abdominal ultrasound in male smokers between the age of 65-75 years?</td>
</tr>
<tr>
<td>HUANG, Anne</td>
<td>Proportion of electronic medical records with an up-to-date medication list in a rural Alberta clinic.</td>
</tr>
<tr>
<td>HUSSAIN, Munawar</td>
<td>Treatment and control of hypertension in family medicine clinic.</td>
</tr>
<tr>
<td>LORDACHE, Claudiu</td>
<td>Treatment of hypertension in diabetic patients.</td>
</tr>
<tr>
<td>JANSCHITZ, Kristien</td>
<td>How many males &gt;65 years old patients are screened for osteoporosis with bone mineral density in a family medicine clinic.</td>
</tr>
<tr>
<td>JENSEN, Bryant</td>
<td>How many of our patients smoke, and who are they?</td>
</tr>
<tr>
<td>JENSEN, Meghan</td>
<td>Barriers to epidural access in Lacombe Hospital.</td>
</tr>
<tr>
<td>KHAN, Ahmar</td>
<td>How many average risk patients between 50 and 75 years of age have had colorectal cancer screening?</td>
</tr>
<tr>
<td>KHURRAM, Sabahat</td>
<td>How frequently are we screening our type 2 diabetic patients for chronic kidney disease?</td>
</tr>
<tr>
<td>KOHLER, Anneliese</td>
<td>Osteoporosis screening in elderly males.</td>
</tr>
<tr>
<td>KOPP, Justin</td>
<td>Elevated mean corpuscular volume and B₁₂ deficiency screening in a community practice.</td>
</tr>
<tr>
<td>KOZLOWSKA, Marta</td>
<td>Is screening for colorectal cancer on target?</td>
</tr>
<tr>
<td>KRAUSE, Chris</td>
<td>The varicella vaccine and the changing face of chickenpox.</td>
</tr>
<tr>
<td>KRICH, Natisha</td>
<td>How many patients are getting screened for colorectal cancer in a family medicine clinic?</td>
</tr>
<tr>
<td>KYCIA, Kate</td>
<td>How many patients are undergoing screening mammograms for early detection of breast cancer?</td>
</tr>
<tr>
<td>YU LI, Xiao</td>
<td>What office processes would support better management of type 2 diabetes in a community clinic?</td>
</tr>
<tr>
<td>LIM, Maileen</td>
<td>Prenatal screening for fetal aneuploidy.</td>
</tr>
<tr>
<td>LIU, CONRAD</td>
<td>Practice audit of chlamydia screening in a family medicine clinic.</td>
</tr>
<tr>
<td>LOKE, Mei</td>
<td>Breast cancer screening in a rural Alberta population.</td>
</tr>
<tr>
<td>Resident</td>
<td>PQI Topic</td>
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</tr>
<tr>
<td>MALHOTRA, Gaurav</td>
<td>Do the doctors at a family medicine clinic use the prostate specific antigen test “appropriately”?</td>
</tr>
<tr>
<td>MANNARINO, Marco</td>
<td>Screening for osteoporosis in men aged 65-70 years in a community based urban family medicine practice.</td>
</tr>
<tr>
<td>MENDIS, Calista</td>
<td>How well are we screening for type 2 diabetes in individuals ≥40 years of age?</td>
</tr>
<tr>
<td>McISAAC, Matt</td>
<td>Experiences of a rural resident turned rural locum: My interactions with varying electronic medical records.</td>
</tr>
<tr>
<td>MINIC, Sanja</td>
<td>Bone mineral density follow up in postmenopausal female patients after treatment of osteoporosis.</td>
</tr>
<tr>
<td>MISTRY, Aneeta</td>
<td>Annual foot examinations in a diabetic patient: Are we meeting the recommended yearly target?</td>
</tr>
<tr>
<td>MOHAMED MYDEEN,</td>
<td>Are Hemoglobin A1c levels of patients with diabetes mellitus on target?</td>
</tr>
<tr>
<td>Mohamed Firdaus</td>
<td></td>
</tr>
<tr>
<td>MULLIN, Stephanie</td>
<td>What proportion of female patients aged 50 to 69 years have received screening mammograms in the last 2 years?</td>
</tr>
<tr>
<td>NAKASHIMA, Brenda</td>
<td>An audit into the diagnostics of complex regional pain syndrome in family practice.</td>
</tr>
<tr>
<td>NEUFELD, Christina</td>
<td>A chart audit to assess performance in performing routine bone mineral density screening in men and women greater than 65 years as per provincial recommendations.</td>
</tr>
<tr>
<td>NOPPERS, Willem</td>
<td>Colorectal cancer screening in a community practice: Analysis of a family physician’s patient roster.</td>
</tr>
<tr>
<td>OHANJANIANS, Edward</td>
<td>Are we testing bone mineral density in men older than 65 years old?</td>
</tr>
<tr>
<td>PALMER, Jessica</td>
<td>The rate of osteoporosis screening with bone mineral density in male patients age 65 years and older at a family medicine clinic.</td>
</tr>
<tr>
<td>SAIEED, Nabil</td>
<td>Do we screen men aged 65 years and older for osteoporosis as per the Canadian guidelines?</td>
</tr>
<tr>
<td>SALEM, Wesam</td>
<td>Caffeine intake assessment in the prenatal population.</td>
</tr>
<tr>
<td>SAWISKY, Grant</td>
<td>Osteoporosis screening in men at a family medicine clinic.</td>
</tr>
<tr>
<td>SAYANI, Ali</td>
<td>Rate of screening for abdominal aortic aneurysm in men between ages 65-75 years.</td>
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PRACTICE QUALITY IMPROVEMENT (PQI) PROJECTS (2nd Year Residents) cont.

2009/2010 Academic Year

<table>
<thead>
<tr>
<th>Resident</th>
<th>PQI Topic</th>
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<tbody>
<tr>
<td>SETO, Gordon</td>
<td>Practice quality improvement study: Review of prenatal genetic screening practices in an Edmonton family medicine clinic.</td>
</tr>
<tr>
<td>SHAMSI, Mehrnoosh</td>
<td>Diagnosis of asthma and number of pulmonary function test (PFT) tests at family medicine clinic.</td>
</tr>
<tr>
<td>SOLTANI, Nazila</td>
<td>What proportion of male patients over 65 years are receiving screening for osteoporosis?</td>
</tr>
<tr>
<td>STOJANOVIC, Mileva</td>
<td>Rate of colorectal cancer screening in a family medicine clinic.</td>
</tr>
<tr>
<td>SULTANA, Samar</td>
<td>Are we achieving treatment targets for dyslipidemia in high risk diabetic patients for primary prevention of coronary artery disease?</td>
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<tr>
<td>TRAN, Anthony</td>
<td>Colorectal Cancer: To screen or not to screen?</td>
</tr>
<tr>
<td>UNSWORTH, Declan</td>
<td>What proportion of eligible patients at a family medicine clinic have had a comprehensive annual care plan completed?</td>
</tr>
<tr>
<td>UTIGARD, Dale</td>
<td>Tracking the number of patients that are being prescribed both Plavix® and a proton pump inhibitor.</td>
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<tr>
<td>VENDITTI, Marcello</td>
<td>How big is the problem of cervical cancer?</td>
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<tr>
<td>WIEBE, Dale</td>
<td>Are patients who are receiving testosterone replacement therapy tested for prostate-specific antigen (PSA) level before initiation of testosterone therapy?</td>
</tr>
<tr>
<td>WONG, Brendan</td>
<td>In adult patients with diabetes: Are lipid targets being achieved?</td>
</tr>
<tr>
<td>YATSCOFF, Michael</td>
<td>Appropriateness of antiviral treatment for patient’s influenza H1N1 in a rural outpatient population.</td>
</tr>
</tbody>
</table>

BEARS PROJECTS (1st Year Residents)

The ability to critically appraise the literature is deemed to be an essential skill required of all family physicians. In the Family Medicine Residency Program, all first year residents are required to conduct several Brief Evidence-Based Assessments of Research (BEAR). In the 2009/2010 academic year, 73 residents completed 293 BEARs.
SUMMER STUDENT RESEARCH PROJECTS

2010

Student: KULKARNI, Ashwini (2nd year BSc student, UofA)
Supervisor: Nicola Shaw
Project Title: Medical Education & Health Informatics: It’s Time to Join the 21st Century
Funded by: AHS Special Purpose Grant

Student: LEE, Cindy (medical student, UofA)
Supervisor: Jasneet Parmar & Bonnie Dobbs
Project Title: Improving the Diagnosis and Management of Dementia in Primary Care - An Innovative, Collaborative Approach in the Westview Primary Care Network
Funded by: A.David & Beatrice Reidford Endowment Fund, Faculty of Medicine and Dentistry and MSI Foundation Grant

Student: LEE, Stephen (medical student, UofA)
Supervisor: Alexandra Marin & Bonnie Dobbs
Project Title: Multidisciplinary Approach to Identification and Management of Dementia Acute Care: Retrospective Chart Review
Funded by: A.David & Beatrice Reidford Endowment Fund, Faculty of Medicine and Dentistry and Covenant Health

Student: LEVINE, Max (medical student, UofA)
Supervisor: Doug Klein
Project Title: Family Medicine Based Review of Adherence to Clinical Practice Guidelines for Courmadin Therapy in Atrial Fibrillation
Funded by: CIHR Health Professional Student Research Award

Student: MALINA, Tiara J.S. (medical student, UofA)
Supervisor: Bonnie Dobbs
Project Title: An Examination of the Relationship between Chemo Brain and Impairment in Driving Performance
Funded by: Alberta Innovates - Health Solutions Summer Studentship Award

Student: SHERGILL, Simran (1st year BSc student, UofA)
Supervisor: Bonnie Dobbs
Project Title: How Effective is the Trail Making Test (Parts A and B) in Identifying Cognitively Impaired Drivers?
Funded by: Medically At-Risk Driver (MARD) Centre

Student: STAPLES, John (medical student, UofA)
Supervisor: Doug Klein
Project Title: Physician Performance Improvement: Linking Clinical Practice Audit to Quality Care Improvement
Funded by: CIHR Health Professional Student Research Award
### SUMMER STUDENT RESEARCH PROJECTS cont.

**2010**

<table>
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<th>Student</th>
<th>Supervisor</th>
<th>Project Title</th>
<th>Funded by</th>
</tr>
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<tbody>
<tr>
<td>STASIUK, Samantha M</td>
<td>Shelley Ross</td>
<td>Examining the Efficacy of a Novel Competency-Based Assessment Framework in a Family Medicine Residency Program</td>
<td>Medical Education Summer Studentship, Faculty of Medicine and Dentistry</td>
</tr>
<tr>
<td>WILSON, Mitchell</td>
<td>G. Richard Spooner &amp; Olga Szafran</td>
<td>Randomized, Double-Blind, Placebo-Controlled Trial of Oral Docusate for Preventing/Treating Constipation in Palliative Care Patients</td>
<td>Alberta Innovates – Health Solutions Summer Studentship Award</td>
</tr>
</tbody>
</table>

### GRADUATE STUDENT RESEARCH ASSISTANTS

<table>
<thead>
<tr>
<th>Student</th>
<th>Supervisor</th>
<th>Project Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>AL-SAYAH, Fatima</td>
<td>Neil Bell &amp; Olga Szafran</td>
<td>Improving the Care of Diabetic Patients: A Randomized Trial of a Family Physician Office-Based Chronic Disease Care Model for Patients with Type 2 Diabetes</td>
</tr>
<tr>
<td>GEORGIS, Rebecca</td>
<td>Shelley Ross</td>
<td>Competency-Based Assessment System (CBAS) Project</td>
</tr>
<tr>
<td>LIGHTBODY, Teresa</td>
<td>Donna Manca</td>
<td>Early Intervention Arthritis Study &amp; The Impact of Maternal Nutrient Status during Pregnancy on Maternal and Child Mental Health (APrON Study)</td>
</tr>
<tr>
<td>MIAN, Ayesha</td>
<td>Earle Waugh</td>
<td>Embracing 2030: Muslim Community Strategies and Priorities for the Future</td>
</tr>
<tr>
<td>PAPILE, Chiara</td>
<td>Shelley Ross</td>
<td>Competency-Based Assessment System (CBAS)</td>
</tr>
</tbody>
</table>
GRADUATE STUDENT RESEARCH ASSISTANTS cont.

Student: RAZAVY, Maryam
Supervisor: Earle Waugh
Project Title: Embracing 2030: Muslim Community Strategies and Priorities for the Future

Student: SHEIKH, Rabia
Supervisor: Earle Waugh
Project Title: Embracing 2030: Muslim Community Strategies and Priorities for the Future

・・・・・・・・・
ACKNOWLEDGEMENTS

We are grateful to the following funding agencies and organizations for supporting our research during 2010:

Alberta Cancer Board
Alberta College of Family Physicians
Alberta Health Services
Alberta Heritage Foundation for Medical Research
Alberta Innovates - Health Solutions
Alberta International Medical Graduate Program
Alberta Lung Association
Alberta Mental Health Research Fund
Alberta Motor Association Foundation for Traffic Safety
Alberta Rural Physician Action Plan (RPAP)
Alberta Traffic Safety Fund
Astellas Pharma Canada, Inc
Canadian Partnership Against Cancer
Canadian Arthritis Network Research Program
Canadian Institutes of Health Research
Covenant Health (formerly Caritas Health Group)
College of Family Physicians of Canada
Department of Family Medicine Research Fund
Dr. Scott H. Mcleod Family Medicine Memorial Fund
Edmonton North Primary Care Network
Elan
Faculty of Agricultural, Life and Environmental Sciences and Food and Health Initiative, University of Alberta
Government of Alberta
Insurance Bureau of Canada
Killam Research Grant
Lundbeck Pharmaceuticals
Medical Council of Canada
Ministry of Transportation of Ontario
Merck Frosst
National Cancer Institute of Canada
Novartis
Parkinson’s Society of Alberta
Pfizer Canada
Public Health Agency of Canada
Ortho-Janssen
Royal Alexandra Hospital Foundation
Sanofi-Aventis Canada Inc
Social Sciences and Humanities Research Council of Canada
Talecris
Teaching and Learning Enhancement Fund, University of Alberta
Women and Children’s Health Research Institute