Successful Grantsmanship in Medical Education

Education Research Day in the Health Sciences
November 22, 2007

Deborah Danoff MD, FRCPC
Director of Education
Agenda

- Grantsmanship-what is it?
- Why apply for a grant?
- Where to find a grant?
- Art and science of grant writing
- What happens if you don’t get the grant?
Grantsmanship

- Term appears in the 1960s
- First used in USA
- Now accepted widely
- “art of successful grant writing”
- “art d’obtenir des subventions”
Why Apply for a Grant?

- My supervisor told me to
- Focus
- Resources
- Validation
- Good excuse to network
Grants

- Types
- Sources
Grant Types

- Research
- Planning
- Curriculum development
- Personal
  - Funding
  - Travel
Sources

- Division/Department
- Faculty
- University
- Provincial
- Federal
- Organization/Association
Health Services and Policy Research
“Medical knowledge in transition, From Service Provision to Scientific Knowledge Production”
Albert, Hodges, Lingard and Regehr

http://www.cihr-irsc.gc.ca/
“Interpreting” Knowledge into Action
Bowen, MacDonald, Ling, Moffatt

“A Fine Balance: Patient Safety and Trainee Education on Clinical Teaching Teams”
Kennedy, Baker, Lingard, Regehr
• www.mcc.ca

Research in Clinical Assessment

Multiyear grants
The goal of the Stemmler Fund is to provide support for research or development of innovative assessment approaches that will enhance the evaluation of those preparing to, or continuing to, practice medicine. Expected outcomes include advances in the theory, knowledge, or practice of assessment at any point along the continuum of medical education, from undergraduate and graduate education and training, through practice. Pilot and more comprehensive projects are both of interest. Collaborative investigations within or among institutions are eligible, particularly as they strengthen the likelihood of the project's contribution and success.

LCME- or AOA-accredited medical schools.

http://www.nbme.org/research/stemmler/index.html
Stemmler
2006-07 Grants

- McMaster University, Hamilton, Ontario
  - Principal Investigator: Kelly Dore Banks, PhD (ABD)
  - Grant Amount / Duration: $145,870 / 2 years
  - Project Title: The evaluation of the reliability, validity, feasibility, and acceptability of a web-based instrument to measure professional qualities in medical school applicants

- Southern Illinois University School of Medicine, Springfield, Illinois
  - Principal Investigator: Dr. Richard Rosher
  - Grant Amount / Duration: $150,000 / 2 years
  - Project Title: An Objective Measure to Assess Resident Competency in Systems-Based Practice

- University of Pennsylvania, Philadelphia, PA
  - Principal Investigator: David Asch, MD
  - Grant Amount / Duration: $149,820.55 / 1 year
  - Project Title: Clinical Outcome-Based Assessment of Medical Education: Concept and Evaluation
The Arthritis Society of Canada

Associated Medical Services

Physician Services Incorporated
Janus Awards
Welcome to the Royal College public website!

Members are invited to log in to access all the members-only features of the site.

Login »

Royal College News

2006 Annual Report

20.11.2007

The Royal College 2006 Annual Report, Navigating the way forward, is available in print and PDF formats. The report highlights the College's key initiatives to support excellence and innovation, provide leadership, promote sound health policy, advance quality specialty care, and enhance its services.

To download the PDF, click here.

To request a printed copy: e-mail publications@rcpsc.edu or call 613-730-8177 / 1-800-668-3740 ext. 355.

New Associate Director of Professional Affairs

20.11.2007

Topic Index

About the College
Who we are, history, College archives...

Annual Conference
Program, dates, and location, objectives...

Awards & Grants
Description, application forms...

Bioethics Education
Ethics Education Project, teaching modules, PeerLink...

CanMEDS
Best practices, grants, project summary (new)...

Careers at the College
Current openings, how to apply, benefits, work environment...

Centre for Learning in Practice
Education research, links...

Continuing Professional Development

Internet
Bienvenue au site Web du Collège Royal.

Nous invitons les membres à ouvrir la section pour accéder à toutes les richesses fonctionnelles du site réservées uniquement aux membres.

Ouverture de session >>

**Nouvelles du Collège Royal**

**Rapport annuel 2006**

28.11.2006

Le rapport annuel 2006 du Collège royal, intitulé *Cap sur l’avenir*, est maintenant accessible en formats imprimé et PDF. Il fait état des principales initiatives menées au filant pour soutenir l’excellence et l’innovation, exercer de l’autorité, promouvoir de bonnes pratiques en matière de santé, défendre les intérêts des spécialistes de quatre, ainsi que renforcer les services offerts par l’organisme.

Pour télécharger un document en format PDF : [cliquez ici]

Pour obtenir un exemplaire imprimé : envoyez un courrier à publications@rcpc.org ou encore composez le 613-730-8177, ou le 1-800-969-3740, poste 396.

**Prix et bourses**

Description, formulaires de demande...

**Programmes de Formation**

Royal Isthmian, modules d’enseignement, projet de réseau d’éthique en pédiatrie...

**Sites connexes**

Association de spécialistes, autres organisations médicales et de santé...

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Le Conseil appuie le modèle de gouvernance et les directions stratégiques proposées

24.10.2007

Royal College Awards and Grants

Awards
Honorary
National
• RCPSC Teasdale-Corti Humanitarian Award (1)
• James H. Graham Award of Merit (1)
• Duncan Graham Award (1)

Regional
• RAC Prix d'excellence (5)
• RAC Mentor of the Year Award (5)

Competitive
National
• Royal College Medal Awards: Medicine (1), Surgery (1)
• KJR Wightman Award for Scholarship in Ethics (1)
• Canadian Research Awards for Specialty Residents: Medicine (1), Surgery (1)
• RCPSC/AMS Donald Richards Wilson Award (1)
Royal College Awards and Grants

2.

Grants

National

- National Specialty Society Annual Meeting Grant (1+)
- Faculty Development Grant (1+)
- Medical Education Research Grant (1+)
- RCPSC/AMS CanMEDs Research and Development Grant (1+)

Regional

- Traineeships
- CPD events, RCPSC speakers and visiting professors
3.

- **Fellowships**
  - Royal College Fellowship for Studies in Medical Education (1)
  - International Traveling Fellowship (1)
  - Walter C. MacKenzie Fellowship in Surgery (1+)
  - Medical Education Traveling Fellowship (1)
  - Detweiler Traveling Fellowships (6)

- **Visiting Professorships**
  - RCPSC Balfour M. Mount Visiting Professorship in Palliative Medicine (1)
  - Janes Visiting Professorship in Surgery (1)
  - RCPSC Kilborn Memorial Visiting Professorship (1)
  - McLaughlin-Gallie Visiting Professorship (1)
  - Royal College Visiting Professorship in Medical Research (4)
  - K.J.R. Wightman Visiting Professorship in Medicine (1)
Faculty Development Grant (1+)
Medical Education Research Grant (1+)
RCPSC/AMS CanMEDs Research and Development Grant (1+)
Royal College Fellowship for Studies in Medical Education (1)
Medical Education Traveling Fellowship (1)
Detweiler Traveling Fellowships (6)
Medical Education Traveling Fellowship

- **Objective**
  
  To enable the recipient to acquire knowledge and expertise in the field of medical education by visiting an educational centre of excellence (other than their own). Upon completion, the recipient will be able to use the education principles acquired in order to develop educational programs, and assess the impact of the program on learners at the undergraduate, postgraduate or continuing education level and/or carry out research in medical education.

- **Eligibility**
  
  Applicants must be Fellows of the Royal College in good standing, or residents in the final year of their training who will be admitted to Fellowship in the Royal College prior to December 31, 2008. In the latter case, the award will be conditional upon admission to Fellowship. Applicants must reside in Canada. Applicants must provide a letter of support either from a medical school, a clinical department of a hospital, or a national specialty society. Repeat or renewal applications will be considered on a competitive basis with all other applications received in the same year.
2007
Dr. Susan Lieff, FRCPC, Toronto
2006
Dr. Peter Minich, Toronto
2005
Dr. Raheem Kherani, Vancouver
2004
Dr. Veronica Wadey, Calgary
Objective
Intended to improve the quality of medical and surgical practice in Canada. The fellowship will enable the recipient to visit medical centres in Canada (other than their own) or abroad, to study or gain experience in the use or application of new knowledge or techniques or to further the pursuit of a project relevant to clinical practice or research.

Eligibility
This fellowship is not intended to support individuals in their completion of Royal College accredited residency training programs. Applicants must be Fellows of the Royal College in good standing, or residents in the final year of their training who will be admitted to Fellowship in the Royal College prior to December 31, 2008. In the latter case, the award will be conditional upon admission to Fellowship. Applicants must reside in Canada.
Detweiller 2007 Recipients

- Dr. Bert Govig, FRCPC
  Dr. Ismail El-Hamamsy, FRCSC, Montreal
  Dr. Eddy Fan, FRCPC, Toronto
  Dr. Véronique-Isabelle Forest, FRCSC, Quebec

- Dr. Sheldon Singh, FRCPC, Toronto
  Dr. Julie Jarand, FRCPC, Calgary
  Dr. Naushad Hirani, FRCPC, Calgary
  Dr. Michael Walsh, FRCPC, Calgary
2007 Medical Education Research Grant

Application Form / Deadline for receipt: March 1, 2007
Formulaire de demande / Date limite de réception : le 1er mars 2007

Personal information provided in your application will be used solely for the purposes of adjudication and treated in accordance with the RCPSC Privacy Policy. Les renseignements personnels fournis dans votre demande ne seront utilisés qu'aux fins d'attribution des subventions et conformément à la politique du CRMCC sur la confidentialité.

<table>
<thead>
<tr>
<th>1. Family name of principal investigator / Nom de famille du chercheur principal</th>
<th>2. Given name(s) / Prénom</th>
</tr>
</thead>
<tbody>
<tr>
<td>3. Principal investigator's university or hospital appointment (position, department, division, medical faculty) / Affectation universitaire ou hospitalière du chercheur principal (poste, département, division, faculté de médecine)</td>
<td></td>
</tr>
<tr>
<td>4. Telephone / N° de téléphone</td>
<td>5. Fax / Télécopieur</td>
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</tbody>
</table>
### Number of Applications Received (Number of scholars or projects funded) 2003-2007

<table>
<thead>
<tr>
<th>Fellowship for Studies in Medical Education</th>
<th>2003</th>
<th>2004</th>
<th>2005</th>
<th>2006</th>
<th>2007</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>5 (3)</td>
<td>4 (2)</td>
<td>13 (3)</td>
<td>9 (3)</td>
<td>12 (3)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Medical Education Travelling Fellowship</th>
<th>2003</th>
<th>2004</th>
<th>2005</th>
<th>2006</th>
<th>2007</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>9 (1)</td>
<td>1 (1)</td>
<td>6 (1)</td>
<td>2 (1)</td>
<td>5 (1)</td>
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<thead>
<tr>
<th>Grant Type</th>
<th>2003</th>
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<th>2006</th>
<th>2007</th>
</tr>
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<tbody>
<tr>
<td>CanMEDS Research and Development Grant</td>
<td>17 (3)</td>
<td>15 (3)</td>
<td>13 (2)</td>
<td>11 (3)</td>
<td>20 (3)</td>
</tr>
<tr>
<td>Faculty Development Grant</td>
<td>6 (3)</td>
<td>11 (3)</td>
<td>10 (3)</td>
<td>6 (3)</td>
<td>2 (2)</td>
</tr>
<tr>
<td>Medical Education Research Grant</td>
<td>48 (6)</td>
<td>45 (5)</td>
<td>37 (8)</td>
<td>35 (8)</td>
<td>34 (10)</td>
</tr>
</tbody>
</table>
2007 Medical Education Research Grant

Subvention pour la recherche en éducation médicale 2007

Application Form / Deadline for receipt: March 1, 2007
Formulaire de demande / Date limite de réception : le 1er mars 2007

Personal information provided in your application will be used solely for the purposes of adjudication and treated in accordance with the RCPSC Privacy Policy.

Les renseignements personnels fournis dans votre demande ne seront utilisés qu’aux fins d’attribution des subventions et conformément à la politique du CRMCC sur la confidentialité.

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</table>
9. Area of research - Project title / Domaine de recherche - Titre du projet

10. Keywords / Mots clés

11. Location of proposed research / Endroit où la recherche sera effectuée.

<table>
<thead>
<tr>
<th>12. Duration of project (in months) / Durée du projet (en mois)</th>
<th>13. Proposed starting date / Date du début du projet</th>
<th>14. Funds requested / Financement demandé</th>
</tr>
</thead>
</table>

15. Name & address of other faculty (if multi-centre) / Nom et adresse des autres facultés de médecine (si projet collectif)

16. Name of Royal College Fellow who will contribute to the project (university or hospital appointment) / Nom de l’Associé du Collège royal qui participera au projet (Affectation universitaire ou hospitalière)

17. Specialty / Spécialité
2007 Medical Research Education Grant

Please provide the following information on separate pages attached to this application form /
Veuillez indiquer les renseignements suivants sur d'autres feuilles et joindre celles-ci au présent formulaire.

18. A **300-word abstract** to include the project's title and objectives, start date and duration, list of investigators, budgetary request, project design, setting, statistical analysis and conclusion. (In addition to attaching item 16 to your application, please send a copy of this document by e-mail to erdu@rcpsc.edu) /

_**Un résumé de 300 mots** indiquant le titre et les objectifs du projet, la date de début et la durée du projet, la liste des chercheurs, le financement demandé, le concept et l'endroit du projet, l'analyse des données et les conclusions. (En plus de joindre le résumé à votre demande, veuillez l'envoyer au Collège royal par courriel à erdu@rcpsc.edu)_

19. **Project description** (maximum 5 pages, excluding appendices, 10-point font minimum) to include the following: /
_La description du projet (maximum de 5 pages à l'exclusion des annexes, un caractère de corps 10 au moindre), précisant:_

- objectives, literature foundations, methodology, and significance to postgraduate medical education or continuing professional development
- a summary of the experimental design to be used, including the process for ethics approval if necessary
- details on data collection procedures, data analysis, proposed project schedule and anticipated products/outcomes
- a plan to disseminate research findings

- **objectifs, le fondement documentaire, les aspects méthodologiques et l'importance du projet en regard de l'éducation médicale postdoctorale ou du développement professionnel continue**
- **un résumé du concept expérimental, et du processus d'approbation éthique le cas échéant**
- **la description du mode de collecte des données, de l'analyse des données, du calendrier proposé et des résultats escomptés**
- **le plan de diffusion des résultats du projet**

20. Proposed budget and justification must be provided for each year of study (one-page maximum)
(Salary support for principal investigator is limited to $10,000 per year of study.) /

_Le budget proposé et les justifications pour chaque année de recherche (sur une seule page)._  
_La subvention au chapitre du salaire du chercheur principal est limitée à 10 000 $ par année d'étude._

21. Abbreviated curricula vitae detailing principal and co-investigators' education, teaching and administrative positions held in the last five years, publications, grants received, and any additional pertinent training (maximum 4 pages each CV, 10-point font minimum). /

_Le curriculum vitae sommaire du chercheur principal et des co-chercheurs, qui précise la formation, les postes en éducation, enseignement et administration occupés dans les cinq dernières années, les publications, les subventions obtenues et les autres types de formation pertinente (4 pages au maximum par CV, un caractère de corps 10 au moins)._
2007 Medical Research Education Grant

22. ☐ Copy of research instruments, if available / Un exemplaire des instruments de recherche, le cas échéant

23. ☐ Letter of approval from Ethics Board or letter of submission for ethical approval (if applicable) / Lettre d'approbation du Comité de déontologie ou lettre de demande d'approbation (le cas échéant)

24. ☐ Letter of support, from your division, department or faculty representative / Lettre d'appui du représentant de la division, du département, ou de la faculté de médecine

25. Principal Investigator's Signature / Signature du chercheur principal
I agree to provide the Royal College with a final report on the outcome of this research at project completion. / Je conviens de remettre au Collège royal un rapport final sur les constatations de la recherche au terme du projet.

Date: ________________________

Applications must be received at Royal College headquarters by March 1, 2007, addressed to:

The Awards Committee
The Royal College of Physicians and Surgeons of Canada
774 Echo Drive
Ottawa ON K1S 5N8

Votre demande doit parvenir au siège social du Collège royal au plus tard le 1er mars 2007 à l'attention du :

Comité des prix et bourses
Le Collège royal des médecins et chirurgiens du Canada
774, promenade Echo
Ottawa (Ontario) K1S 5N8

10-01-07
Getting ready

- Apply for the correct grant
- Read the instructions
- Contact the granting agency for clarification
- Prepare as for a wedding—allow enough time
Writing

- Grant writing is not a solo activity
- Get others to read and comment
- Keep to the word limit
- Make sure that everything that is truly important is IN the grant
• Methods are important
• Make sure you work with a statistician/psychometrician
• Scope is critical (doable by you in the time allowed and for the funds available)
3.

- Use tables and graphs if you can
- Make sure the abstract is clear, accurate and appealing
- Make sure it looks good and spelling and punctuation are correct
- Watch the short forms and acronyms
• Allow enough time for
  • Rereading and correcting
  • Getting signatures that you need
  • Making copies etc
  • “anything that can go wrong will go wrong”
Letters of support/collaboration

- Consider this carefully
- Make sure you contact in advance
- It’s okay to provide a draft but make sure it is not generic
- Make sure that you do not get “copy cat” letters
- Make sure that the qualifications of the person writing are clear
What to do if you don’t get the grant?

• Do the work anyways
• Get feedback on the grant application
• Apply again
• Apply “smarter”
Questions

ddanoff@rcpsc.edu
613-730-6283
gcole@rcpsc.edu
msampson@rcpsc.edu
ashaw@rcpsc.edu