



**Guidelines for Applicants:**

**2010/2011 Jump Start Resuscitation  
Research Fellowship**

## **JUMP START RESUSCITATION RESEARCH FELLOWSHIP**

### **JUNIOR PERSONNEL**

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## **A. GENERAL INFORMATION**

### **1) HSF Mission Statement**

The Heart and Stroke Foundation, a volunteer-based health charity, leads in eliminating heart disease and stroke and reducing their impact through the advancement of research and its application, the promotion of healthy living, and advocacy.

### **2) Application Submission Deadline**

Applications for the Jump Start Resuscitation Research Fellowship competition must be received by the Heart and Stroke Foundation of Canada (HSFC) no later than 16:00 (EST) November 6, 2009

If the deadline falls on a weekend or statutory holiday, HSFC must receive the application no later than 16:00 (EST) on the previous Friday.

Applications received after the deadline will be considered late even if they are courier-stamped on the deadline date.

HSFC reserves the right to decline late or incomplete applications.

### **3) Incomplete/Unacceptable Applications**

Applicants are strongly cautioned to carefully read and follow the instructions and requirements outlined in this guideline document as well as the Checklist page of the application form.

In order to maintain the principle of fairness to all applicants, regulations must be adhered to in the preparation of the Research Fellowship application. Any infraction of the rules will lead to the truncation or immediate rejection (without appeal) of the application. These regulations have the advantage of being unambiguous for applicants, easily enforceable by staff and/or review panels, and fair and equitable for all applicants.

### **4) Re-Applying to the Research Fellowship Competition**

If two (2) unsuccessful Research Fellowship applications have been made, a subsequent application will be considered only if there has been a change in supervisor and/or institution.

### **5) Competition Results**

Results are posted on the HSFC Research website (<http://www.hsf.ca/research/en/general/home.html>) in mid-April. Official letters are sent in May.

### **6) Closing of Award**

When work under an award is complete, or if for any reason the work cannot be continued, the award will be closed. Any remaining funds are frozen and cannot be reallocated to other uses. The institution will prepare the final accounting and return outstanding funds to HSFC.

### **7) Prolonged Absence from Work**

The awardee or supervisor will notify HSFC of any illness or other cause necessitating absence from work exceeding thirty (30) successive days. Continuation of the award will be at the discretion of HSFC.

### **8) Non-Employee Status**

The granting of an award is deemed to establish neither an employer-employee relationship nor a partnership between the grantor and the grantee.

### **9) Privacy Information**

Providing your date of birth on the application form is optional. However, this information will ensure accurate identification of applicants and will assist HSFC with statistical analysis. This information will

NOT be transmitted to any entity external to the Heart and Stroke Foundation without the applicant's consent.

### **10) Public Information**

Successful applicants need to be aware that the title of their research project and the lay summary may be used without notification and put into the public domain. Applicants are cautioned not to disclose information that could endanger a proprietary position in these sections.

### **11) Ethical Requirements**

By signing and submitting applications to HSFC, applicants undertake the responsibility to ensure any experimentation will be acceptable to the institution on ethical grounds and comply with the Tri-Council Policy Statements: *Ethical Conduct for Research Involving Humans*<sup>1</sup>.

In the case of laboratory animal experimentation, the guiding principles enunciated by the Canadian Council on Animal Care will be followed. The proposed research will not be undertaken until it has been accepted as meeting the requirements regarding biological and chemical hazards as outlined in the Public Health Agency of Canada *Laboratory Biosafety Guidelines*<sup>2</sup>.

In addition, any research involving human pluripotent stem cells must adhere to the *Human Pluripotent Stem Cell Research: Guidelines for CIHR-funded Research*<sup>3</sup>. The institution must notify HSFC as to the results of the review by the CIHR's Stem Cell Oversight Committee<sup>4</sup>.

### **12) Patent Rights**

In the event of any inventions, discoveries or improvements arising as a result of work conducted under a Heart and Stroke Foundation award, which may be, or have been covered by patent applications or patents, the granting Heart and Stroke Foundation shall be deemed to have an interest in any patent rights covered by such patent applications or patents. For the purpose of continuing titular control and administration of any patent rights covering inventions, discoveries or improvements arising as mentioned previously (such patent rights shall be assigned to the granting Heart and Stroke Foundation), the parties comprising the granting Heart and Stroke Foundation, the inventors, and the institution, shall together determine the respective interest of the parties in said patent rights or in the net proceeds, if any, of exploitation of said patent rights.

### **13) Indirect Costs**

HSFC supports only the direct costs of research. No funding is to be used for indirect costs of research (e.g. library, heat and lighting, office furniture, overhead, administrative charges or fees).

### **14) Publications**

Recipients of a Jump Start Resuscitation award must acknowledge the support of the Heart and Stroke Foundation of Canada and any other funding partners in all scientific communications and press releases related to their Award. To facilitate the implementation of HSFC's program for knowledge transfer and exchange, we request that HSFC be notified in advance of the publication date of any major publications arising from research funded by HSFC.

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<sup>1</sup> See <http://www.pre.ethics.gc.ca/english/policystatement/policystatement.cfm> for details.

<sup>2</sup> See <http://www.phac-aspc.gc.ca/publicat/lbg-ldmbi-04/index.html> for details.

<sup>3</sup> See <http://www.cihr-irsc.gc.ca/e/34460.html> for details.

<sup>4</sup> See <http://www.cihr-irsc.gc.ca/e/15298.html> for details.

## **15) Four Themes of Health Research**

The four (4) themes of health research as defined by the Michael Smith Foundation for Health Research are:

### Basic Biomedical (I)

Research with the goal of understanding normal and abnormal human function, at the molecular, cellular, organ system and whole body levels, including the development of tools and techniques to be applied for this purpose; developing new therapies or devices which improve health or the quality of life of individuals, up to the point where they are tested on human subjects. Studies on human subjects that do not have a diagnostic or therapeutic orientation.

### Clinical (II)

Research with the goal of improving the diagnosis and treatment (including rehabilitation and palliation) of disease and injury; improving the health and quality of life of individuals as they pass through normal life stages. Research on, or for the treatment of, patients.

### Health Services/Systems (III)

Research with the goal of improving the efficiency and effectiveness of health professionals and the health care system, through changes to practice and policy. Health services research is a multidisciplinary field of scientific investigation that studies how social factors, financing systems, organizational structures and processes, health technologies, and personal behaviours affect access to health care, the quality and cost of health care, and ultimately our health and well-being.

### Population Health (IV)

Research with the goal of improving the health of the Canadian population, or of defined sub-populations, through a better understanding of the ways in which social, cultural, environmental, occupational, and economic factors determine status.

## **16) Lay Summary**

HSFC places a high priority on ensuring appropriate lay summaries are submitted as part of each application to ensure the research is aligned with HSF's mission.

## **17) Multiple Submissions**

Multiple submissions from Personnel Award applicants are not permitted. Where partnership programs are in place, the applicant must contact HSFC for more information.

## **18) Transfer of Award**

Personnel Awards are not transferable under any circumstances.

Recipients of Personnel Awards are not permitted to change supervisors, projects, or institutions without the documented permission of HSFC. The institution to which the awardee is moving will be required to supply the same supporting documentation as was required in the original application.

The Personnel Award recipient must immediately notify HSFC should he/she is unable to continue his/her current research program.

The Personnel Award recipient must immediately notify HSFC should he/she relocate outside of Canada. Continued funding is at the discretion of HSFC.

## **19) Status of Publications**

Any manuscript, paper, etc. included with an application, but not yet published must be accompanied by documentation from the journal verifying whether it has been submitted, accepted for publication or is in

press. Letters indicating confirmation of acceptance for publication of a paper must be received by the Foundation no later than January 2nd.

**20) Partial Awards**

Partial awards of less than one (1) year are not available to Personnel Award applicants.

**21) Financial Report**

HSFC requires, from the institution, a financial accounting report of all HSF awards, to be received annually no later than August 1.

**22) Financial Claims**

Invoices or expense claims must be submitted to HSFC no later than thirty (30) days after the termination of the award.

## B. RESEARCH INTEGRITY POLICY

The primary objective of HSFC's Research Integrity Policy is to protect and defend the integrity of the research process and to deal with allegations of scientific misconduct in a timely and transparent fashion. HSFC agrees with and has adopted the basic policies and recommendations outlined in the Tri-council Policy Statement: *Integrity in Research and Scholarship*<sup>5</sup>. As a condition of funding, all HSFC grant and award recipients agree to comply with the Principles and Responsibilities set out in that policy, and the research misconduct provisions below.

HSFC defines research misconduct to include actions that are inconsistent with "integrity" as defined by the Tri-Council Policy Statement, and to include such actions as fabrication, falsification, or plagiarism in proposing, performing, or reporting research, or in reporting research results.<sup>6</sup>

HSFC will deal with allegations of scientific misconduct in the following manner:

- Any allegation of scientific misconduct will be initially reviewed by HSFC to determine whether an investigation is warranted. If it is felt that an investigation is required, HSFC may request that this be conducted by the host institution of the individual considered to have performed the alleged misconduct. In allegations specifically related to the peer review process, the investigation may be conducted jointly by the institution and HSFC.
- HSFC will not act on verbal allegations of misconduct. All allegations must be submitted in writing. Although the confidentiality of persons who submit an allegation of scientific misconduct will be protected as much as possible, it must be recognized that due process will often result in the identity of this person being released to the investigating institution.
- The institution will be required to submit a written report upon conclusion of the investigation. This report will summarize the findings of the investigation and any future actions that will be undertaken by the institute as a result of the findings.
- In cases where misconduct is concluded to have occurred, HSFC may apply sanctions against the individual(s) implicated. These sanctions will range from a reprimand letter to a ban from applying for or holding Foundation funds for a set period of time.

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<sup>5</sup> Available from [http://www.nserc-crsng.gc.ca/NSERC-CRSNG/Politiques-Politiques/tpsintegrity-picintegritie\\_eng.asp](http://www.nserc-crsng.gc.ca/NSERC-CRSNG/Politiques-Politiques/tpsintegrity-picintegritie_eng.asp). The Tri-council Policy Statement: *Integrity in Research and Scholarship* was produced by the Canadian Institutes of Health Research, the Natural Sciences and Engineering Research Council of Canada, and the Social Sciences and Humanities Research Council of Canada.

<sup>6</sup> Wording adopted from the US Department of Health and Human Services, Public Health Service Policies on Research Misconduct, Final Rule. May 17, 2005. Available from [http://ori.dhhs.gov/documents/FR\\_Doc\\_05-9643.shtml](http://ori.dhhs.gov/documents/FR_Doc_05-9643.shtml).

## **C. SPECIFIC PROGRAM INFORMATION**

### **1) Description**

The Jump Start Resuscitation Research Fellowship is an "in-training" award intended for individuals with (or expecting) a PhD, MD, BM, DDS or equivalent degree. The objective of this award is to attract and foster young investigators to initiate and/or continue research training in the cardiovascular or cerebrovascular field. Each application is considered to be a joint submission by the applicant and the identified supervisor, including the development of the research plan.

Research Fellowship awards are normally tenable in Canadian universities but may, under exceptional circumstances, be awarded to Canadian applicants for study abroad. Applicants may originate from outside Canada but must conduct their training at a Canadian institution.

A Research Fellowship award recipient may not be in receipt of another major Personnel award (i.e. from another national funding agency) at the same time as holding a Personnel Award from HSFC. However, an awardee may accept supplemental funding (no greater than 50% of the value of the Heart and Stroke Foundation award), if it is from a local or provincial funding source.

**This award becomes tenable July 1 and must begin by January 1 of the year following the announcement of the competition results.**

### **2) Eligibility Criteria**

#### **2.1 Specific – Research Training / Experience**

- Applicants with a professional degree (MD, BM, DDS, or PharmD) are eligible for this award at any time within a period of five (5) years during or after the completion of clinical training. Applicants with a medical degree must hold a license to practice medicine in a province or territory of Canada. Undergraduate medical school training and residency training are not considered as research experience.
- Applicants with a medical degree who do not hold a license to practice medicine in a province or territory of Canada are eligible for this award, however they must not have completed more than four (4) years of research training as of July 1 of the award year.
- Applicants with a PhD degree are eligible for this award, however they must not have completed more than four (4) years of post-PhD research experience as of July 1 of the award year. Applicants with a professional degree (MD, BM, DDS, or PharmD) and a PhD are eligible for this award at any time during a period of five (5) years during or after the completion of clinical training.

#### **2.2 Other Eligibility Criteria**

- a. Applicants with a foreign MD or PhD and enrolled in a doctoral program are not eligible for this award and should apply to the HSFC Doctoral Research Award competition.
- b. Applicants with a medical degree and enrolled in a doctoral program, but who do not hold a license to practice medicine in a province or territory of Canada, are not eligible to apply for this award. These individuals should apply to the HSFC Doctoral Research Award competition.
- c. Applicants wishing to undertake post-PhD training in the same department in which they received their doctoral training or with the same PhD supervisor are normally not eligible for this award, except in unusual circumstances and at the discretion of HSFC. Strong justification should be presented in Section 15b under these exceptional circumstances.
- d. Clinical, non-research focused fellowships are not eligible.

- e. Applicants training in clinical research will be considered only if it is clear from the application that at least 75% of the applicant's time and effort will be devoted to the research project(s) and clinical activities upon which the research project(s) is immediately dependent
- f. Applicants with a medical degree who hold a license to practice medicine in a province or territory of Canada are eligible for this award in support of their MSc or PhD degree studies.
- g. Applicants may not hold or have held a prior faculty appointment (i.e. tenure track or full time appointment) in North America.
- h. Awardees may not hold a faculty appointment. The Research Fellowship award will be terminated upon receipt of a faculty appointment.
- i. Awardees must spend at least 75% of their time to the proposed research.
- j. Individuals who have held an HSFC Doctoral Research Award (pre-PhD) are not precluded from applying for a Research Fellowship award. However, they are only eligible to receive one (1) Research Fellowship award from HSFC during their research training.

### **3) Evaluation Criteria**

- a. All applications undergo peer review by HSFC.
- b. The major criteria in evaluating the applications will be:
  - i) The quality of the applicant (academic record, research experience and potential, documented publication(s));
  - ii) The research environment, including the supervisor under whom the applicant intends to work; and,
  - iii) The quality of the research project.

Note: A significant portion of the evaluation will be based on the applicant's merit

#### 4) Tenure

- a. The award normally commences on July 1 for a period of up to thirty-six (36) months depending on the degree(s) held by the recipient (see Section 5 below). Previous awards from other granting agencies will be taken into consideration in calculating the number of years of HSFC support. The term of the award will include reasonable holiday time according to the arrangement with the supervisor.
- b. The award may be terminated at any time for good cause by the recipient, the sponsoring institution, or HSFC.
- c. The recipient is entitled to a paid maternity or paternity leave of six (6) months. In such cases, tenure of the award will be extended by six (6) months. The recipient may contact HSFC for further details.
- d. During tenure of this award, the recipient may not sit for a specialty qualifying examination without permission from HSFC.
- e. The recipient must immediately notify HSFC should significant changes in research activities occur during the tenure of this award.

#### 5) Stipend and Allowances

- a. The stipend and duration of support are indicated in the following table:

Degree(s) Held by Recipient	Stipend (CDN \$)	Maximum Duration of Support (Years)
MD, BM, or DDS	\$50,000	3
MDs who do not hold a license to practice medicine in a province or territory of Canada	\$40,000	2
PhD	\$40,000	2

- b. An amount of up to \$1,500 per annum is available for travel for scientific purposes with the approval of the recipient's supervisor. Additional information will be provided to recipients.
- c. The recipient may, with the approval of his/her supervisor, engage in and receive remuneration for departmental activities, including undergraduate teaching, that contribute to his/her development as a researcher. These activities must not impinge upon the time dedicated to the proposed research training. In the case of applications for training in clinical research, they will be considered only if it is clear from the application that at least 75% of the applicant's time and effort will be devoted to the research project(s) and clinical activities upon which the research project(s) is immediately dependent.

#### 6) Application

Applicants must send to the Heart and Stroke Foundation of Canada:

- One (1) original version of the completed Junior Personnel application (HSFC Form R5)
- Two (2) collated copies of the completed Junior Personnel application
- One (1) CD containing one (1) PDF file of the complete application submission. Please refer to section 6.1 for the required structure and format of the PDF file.

Each copy of the complete application must include:

- a. A two page detailed description of the proposed research, including the rationale, hypothesis, objective and experimental approach and the timeline.
- b. A completed Supervisor Statement form which describes:
  - An overview of the research and academic training environment;
  - Details on resources, programs, technologies, etc. which will be made available to the applicant;
  - Specific knowledge and skills that will be acquired by the applicant; and,
  - Contribution of the applicant to the proposed research including the role of the applicant in relation to others carrying out the proposed research.

If applicable: the role of all co-supervisors and the estimated percentage of time spent supervising the applicant must be clearly stated in the Supervisor Statement form. Failure to complete all supervisory information renders the application incomplete. HSFC reserves the right to decline incomplete applications.

- c. Three (3) letters of recommendation in sealed envelopes with the signature of the referee across the seal. The letters, for which the forms are provided, must describe and evaluate the applicant's professional and academic capabilities for this award. One (1) letter may be from either the supervisor or one co-supervisor. The other two (2) letters must be from individuals under whom the applicant has studied, but who will not be involved in the supervision or evaluation of the applicant's research program. These forms must be attached and included in the application package.
- d. An explanation listing the period and reason for any interruption in pursuit of the candidate's career (if applicable). See Section 15a of the application form.
- e. A detailed justification of undertaking post-PhD training in the same department in which the applicant received his/her doctoral training or with the same PhD supervisor (if applicable). See Section 15b of the application form.
- f. A detailed justification for conducting research training outside of Canada, including anticipated plans of returning to Canada following the completion of the research training (if applicable). See Section 15c of the application form.
- g. A printed copy of the supervisor's (and co-supervisor's, if applicable) Common CV form (**HSFC version only**). This is a web-based form, which allows CV information to be entered online (refer to [www.commoncv.net](http://www.commoncv.net) for further instructions).
- h. Complete publication information (see Section 16 of the application form).
- i. A one (1) page report describing previous research experience of the candidate (see section 17 of the application form). Candidates are encouraged to summarize their research experience, and may discuss progress made on the proposed research project or experience from other research projects.
- j. A complete structured lay summary with a clear explanation of how the research proposal is relevant to the mission of HSFC, specifically the area of resuscitation. The lay summary must be written in everyday language (for a general audience) at a level no greater than Grade 10. The structured lay summary is a required section of the application form. Three (3) structured lay summary samples can be viewed on the HSFC Research website at: [http://www.hsf.ca/research/images/PDF/LaySummary\\_sample1.pdf](http://www.hsf.ca/research/images/PDF/LaySummary_sample1.pdf);

[http://www.hsf.ca/research/images/PDF/LaySummary\\_sample2.pdf](http://www.hsf.ca/research/images/PDF/LaySummary_sample2.pdf);  
[http://www.hsf.ca/research/images/PDF/LaySummary\\_sample3.pdf](http://www.hsf.ca/research/images/PDF/LaySummary_sample3.pdf).

## 6.1 CD Submission of Application

Submit 1 PDF copy of the full application on a CD. The PDF file name should be in the following format: JSRF-10 Last nameFirst name (e.g. JSRF-10 SmithJohn). The CD label should contain the following information.

- Name:
- Program Type: RF 2010/2011 Jump Start
- Short title:
- Date:

The PDF should be organized in the same order as the paper application. Attachments should be inserted within the application where appropriate. Appendices, if applicable, should appear after page 11. HSFC will attach a copy of the referee assessment forms to the PDF prior to sending the application to reviewers.

In addition, bookmark the following sections within the PDF document:

- Applicant's publications (page 5)
- Supervisor's Statement (page 7)
- Lay summary (page 8)
- Research proposal (page 10)
- Supervisor's CV

Please note the page numbers are provided for reference purposes only. The page number is not to be included in the bookmark name. Please refer to the sample PDF for your reference (<http://www.hsf.ca/research/en/guidelines-for-applicants/guidelines-for-applicants.html>).

## 7) Monitoring Progress

A progress report (lay language and standard scientific language) must be submitted annually to HSFC no later than one (1) month after the start date of the award (e.g. award start date is July 1, 2010, the first progress reports are due August 1, 2011). Both report templates are available at <http://www.hsf.ca/research/en/application-forms/application-forms.html>.

Continuation of the award is contingent upon HSFC receiving the two (2) progress reports.

## 8) Final Report

A final report (lay language and standard scientific language) must be submitted to HSFC no later than one (1) month after completion/termination of the award (e.g. award ends June 30, 2012, the final report is due August 1, 2012). Both report templates are available at <http://www.hsf.ca/research/en/application-forms/application-forms.html>.

## Contact the Heart and Stroke Foundation of Canada at:

Research Department  
Heart and Stroke Foundation of Canada  
222 Queen Street, Suite 1402  
Ottawa, Ontario K1P 5V9

Tel: (613) 569-4361, ext. 268  
Fax: (613) 569-3278  
E-mail: [anguyen@hsf.ca](mailto:anguyen@hsf.ca)  
Internet: [www.hsf.ca/research](http://www.hsf.ca/research)