



The First Canada-California Strategic Innovation Partnership (CCSIP) Call for Proposals (CFP) for Collaborative Initiatives Between California and Canada

**Hosted by the University of California Office of the President (UCOP) and
International Science and Technology Partnerships Canada (ISTPCanada)**

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Overview of the Canada-California Strategic Innovation Partnership (CCSIP) Call for Proposals:

The Canada-California Strategic Innovation Partnership (CCSIP, www.ccsip.org), a catalyst for collaborative Research, Development and Delivery (RD&D) between two innovation-intensive jurisdictions, together with the University of California and participating Canadian universities is pleased to announce a university-led *Call for Proposals for Collaborative Initiatives between Canada and California*. These organizations are allocating US\$2 million¹ to this CFP **to stimulate novel ideas, and catalyze the development of innovative multi-campus and multi-disciplinary research and educational collaborations** between the two jurisdictions.

Bilateral teams are encouraged to put forward short proposals for collaborative initiatives that aim to address key priorities shared by California and Canada, capitalize on the complementary strengths of both jurisdictions and emphasize delivery to the market place. This may include the establishment of bilateral R&D consortia, the structuring of Canada-California Centres of Excellence and the creation of new working relations between university systems, in addition to other collaborations.

When CCSIP was first established, the Steering Committee identified broad, initial priorities such as Stem Cells and Regenerative Medicine; Information and Communications Technologies; Advanced Transportation and Energy; Nanotechnology; Infectious Diseases; Venture Capital and Intellectual Property; and the Development of Highly Qualified Personnel. Building on the themes of the third CCSIP Summit conducted on October 27, 2008, teams may propose bilateral initiatives in areas that include, but are not limited to: Carbon Capture and Sequestration, Green IT, Infectious Diseases, Next-Generation Digital Media and Sustainable Biofuels.

This Call will be jointly managed by the University of California's Office of the President (UCOP) and International Science and Technology Partnerships Canada (ISTPCanada), each with responsibility for managing the CFP process in their respective jurisdiction. These organizations will work together to promote the Call, liaise with members of the CCSIP Steering Committee, coordinate proposal evaluation through peer review and distribute funds to project teams.

Upon receipt of recommendations from the two CFP 'delivery organizations' (UCOP and ISTPCanada), the CCSIP Steering Committee will make final decisions on funding allocations to successful Canada-California proposals.

¹ For the purpose of this CFP, funding will be represented in US dollars; however, all universities and other contributors that finance bilateral initiatives under this CFP will allocate funds in their respective national currency.

Scope and Structure of Bilateral Proposals Requested:

Under this CFP, financial support is available for two types of bilateral initiatives, including the:

- **Conduct of focused bilateral round tables, workshops and/or symposia** that lead to novel methods or approaches for collaborative research. These proposals should request \$15,000 to \$50,000 in total funding².
- **Development and delivery of a detailed R&D business plans** for early-stage bilateral initiatives that help to propel the concept to the next stage of development (following the conduct of workshops and associated research). These proposals should request about \$100,000 in total funding.

All proposals should:

- Demonstrate the value of bilateral collaboration over a unilateral approach, including the anticipated benefits to both Canada and California
- Describe the novelty and quality of the proposed idea or concept for a bilateral initiative
- Articulate the downstream potential for technology transfer or delivery to market, for example: yield concrete outcomes such as the development of highly qualified people or other commercially-oriented outputs
- Demonstrate the capacity of the project team to manage and conduct the proposed bilateral initiative
- Present a high-level plan that outlines key milestones, financial and human resources

Specifications for Letters of Intent and Complete Proposals:

- **Letters of Intent (LOI)** should be one page in length. LOIs will be assessed for eligibility; criteria may be found in page 6. The framework for the LOI is specified in Appendix C.
- **Complete proposals** should not exceed seven pages in length, with a maximum of 20 pages of supporting information in appendices. Proposals will be assessed and selected on highest quality; criteria may be found on page 6. The framework for the complete proposal is specified in Appendix D.

² Includes funds from both Canadian and Californian sponsors

CFP Eligibility and Application Guidelines:

Each proposal must include a Principal Investigator (PI) from a participating Canadian university³, and a PI from the University of California system. The PIs must provide letters of support from their co-applicants' Vice President, Research or a similar authority, that confirms the availability of funds required to support their share of the proposed budget (either directly from the collaborating university, company or other organization, or an alternate sponsor).

In Canada:

- The Vice President, Research of the participating Canadian university of the PI in question must approve a proposal before it is submitted to this CFP; the university only provides financial support for approved projects from their researchers
- Should a participating university approve several proposals from their researchers for submission to the CFP, the university may need to increase the funds it allocates to Canada-California projects –depending on how many projects are selected by adjudicators, and the total funding requested to support these initiatives
- If all proposals submitted by researchers from a participating university are unsuccessful in this competition, the institution is not required to contribute funding to the CFP

Proposals may include co-applicants from *non-participating* Canadian universities, however, they must have explicit support from their Vice President, Research to contribute to the proposal, and secure appropriate funding from their university or an alternate sponsor to cover their associated expenses.

In California:

- Researchers, faculty members and technical staff with Principal Investigator (PI) status with the University of California (any campus) are eligible to apply to this CFP
- For additional information on PI guidelines at UC, please visit:
<http://www.ucop.edu/raohome/cgmanual/chap01.html#1-500>

Additional Information: Co-Applicants

Proposals may include co-applicants from government institutes and laboratories, crown corporations, affiliated research hospitals, research centers, associations, companies and other types of collaborators. Please note these co-applicants are not eligible to be a PI under this CFP, and they must secure appropriate funding to cover their expenses on the proposal.

³ A current list of participating Canadian universities may be found in Appendix A of this document

Proposal Solicitation, Application Process and Deadlines:

Solicitation:

This Call is being distributed to eligible faculty members at the University of California and Canadian universities by:

- The Vice Chancellors for Research of each University of California campus
- Vice Presidents, Research at Canadian universities
- Members of the CCSIP Steering Committee
- Members of the University of California International Leaders Council

Application Process:

Initial information on the CFP application process may be found online at: <http://www.ccsip.org/>; <http://www.istpcanada.ca/>; http://www.ucop.edu/research/ccsip_cfp.html

Detailed instructions on the submission of Letters of Intent and complete proposals will be posted on January 21, 2009. Applicants will be required to submit their LOI and proposal electronically and *simultaneously* to both UCOP and ISTPCanada.

Questions about the application process or the broader CFP may be directed to:

- Kathleen Erwin, Director, Research Program Application & Review Center, UC Office of the President : PARC@ucop.edu (for Californian PIs)
- Dominic Jean, Secretary, CCSIP Steering Committee at Dominic.Jean@international.gc.ca (for Canadian PIs)
- Sonya Shorey, Communications Strategist, CCSIP at sonyashorey@rogers.com

Deadlines:

- **Letters of Intent:** Applicants are invited to submit a Letter of Intent by **February 27, 2009, 2PM PST**; UCOP and ISTPCanada will announce all selected Letters on **March 16, 2009**
- **Requested Proposals:** Applicants must submit complete proposals by **May 1, 2009, 2PM PST**
- **Funding Decisions:** The CCSIP Steering Committee, together with UCOP and ISTPCanada, expects to announce the one-year awards for successful bilateral initiatives by **July 1, 2009**

Please note: Awards are contingent on the availability of funding committed in the proposal from participating sponsors. Recipients are required to meet all institutional, state and federal regulatory requirements for their proposed activity.

Selection Criteria:

When preparing a submission to this CCSIP CFP, applicants are encouraged to propose collaborative R&D initiatives that aim to seize key opportunities, or tackle critical challenges that *cannot effectively be addressed through existing funding mechanisms*.

Letters of Intent will be assessed for eligibility. The LOI should be one page in length and:

- Identify the Principal Investigators from Canada and California and other confirmed collaborators; please note:
 - A PI is required from each jurisdiction
 - PIs must come from universities that are confirmed to participate in the CCSIP CFP, and have approval from the Vice Presidents, Research at their universities
 - Other co-applicants from non-participating universities must have explicit support from their Vice President, Research to contribute to the proposal, and secure appropriate funding from their university or an alternate investor to cover their expenses in the project
- Provide a brief abstract that describes the proposed initiative and total funding requested

Complete proposals will be assessed and selected on the basis of highest quality, and the degree to which the following criteria are clearly and definitively addressed. All proposals should:

- Demonstrate the value of bilateral collaboration over a unilateral approach, including the anticipated benefits to both Canada and California
- Describe the novelty and quality of the proposed initiative
- Articulate the downstream potential for technology transfer or delivery to market, for example: yield concrete outcomes, such as the development of highly qualified people, or other commercially-oriented outputs
- Demonstrate the capacity of the project team to manage and conduct the proposed initiative
- Present a high-level plan that outlines key milestones, financial and human resources

Evaluation Process:

To ensure the effective delivery of the Call and reinforce the principles of the partnership, UCOP and ISTPCanada will create a bilateral Canada-California Adjudication Panel that will review and evaluate applications. This Panel will assess all applications and generate a list of bilateral initiatives recommended for funding by the CCSIP Steering Committee.

Selection of Adjudicators from the University of California:

The Canada-California Adjudication Panel will include CCSIP Steering Committee members from the University of California and additional faculty members and experts identified by the Office of the Vice President, Research & Graduate Studies, at the University of California Office of the President.

Selection of Adjudicators from ISTPCanada

The Canada-California Adjudication Panel will include third-party experts identified by ISTPCanada. These individuals are recommended to ISTPCanada by esteemed leaders from Canada's granting councils, government research institutes and companies across all sectors of the economy. All proposals recommended for funding will be forwarded to the ISTPCanada Board of Directors. The Board will review and approve those proposals recommended for funding by the Canada-California Adjudication Panel.

Once the Canada-California Adjudication Panel has generated a list of proposals recommended for funding, all successful applications will be provided to the CCSIP Steering Committee for final review and approval of recommended funding allocations.

Additional Information:

Additional information about this CCSIP CFP is available online at:

<http://www.ccsip.org/>; <http://www.istpcanada.ca/>; http://www.ucop.edu/research/ccsip_cfp.html

Should you have questions, please do not hesitate to contact:

In California:

- Kathleen Erwin, Director, Research Program Application & Review Center, UC Office of the President : PARC@ucop.edu

In Canada:

- Dominic Jean, Secretary, CCSIP Steering Committee: Dominic.Jean@international.gc.ca or 514.398.3914
- Sonya Shorey, Communications Strategist, CCSIP: sonyashorey@rogers.com or 613.851.9416

Appendix A: List of Participating Canadian Universities (as of December 23, 2008)

- Dalhousie University
- École de technologie supérieure (ÉTS)
- Laval University
- McGill University
- McMaster University
- Queen's University
- University of Alberta
- University of British Columbia
- University of Manitoba
- University of Montreal
- University of New Brunswick
- University of Ottawa
- University of Saskatchewan
- University of Toronto
- University of Waterloo
- University of Western Ontario

Appendix B: About the Canada-California Strategic Innovation Partnership (CCSIP)

The Canada-California Strategic Innovation Partnership (CCSIP) is a catalyst for collaborative Research, Development and Delivery (RD&D) between two innovation-intensive jurisdictions: California, one of the most dynamic innovation engines on earth; and Canada, a leading country in university research intensity.

Drawing on an entrepreneurial and informal process of cooperation, CCSIP is a bilateral collaboration initiative that aims to capitalize on the complementary strengths of Canada and California, and to build on a well-established trade relationship valued at over \$38 billion in 2007.

With leadership from a highly respected bilateral Steering Committee, and participation from universities, companies and governments on both sides of the border, CCSIP stimulates the:

- Development of new models of collaboration between Canada and California that leverage key research capabilities, address common priorities, and accelerate the delivery of research results; and
- Launch of revolutionary RD&D projects that aim to bring new products and services to market, and deliver economic and social benefits to citizens in both jurisdictions

It is a partnership that is delivering results.

Since its founding in 2006, CCSIP has helped to stimulate the launch of the Cancer Stem Cell Consortium, its novel collaboration with the California Institute of Regenerative Medicine and supporting investment valued at over \$100 million; and the linkage of Canada's and California's high-speed Internet research infrastructure, enabling a variety of new RD&D projects in health care and digital media.

CCSIP aims to build on these results and evolve the initiative over the coming year.

Additional information is available at: www.ccsip.org

Appendix C: Framework for Letters of Intent

In the Letter of Intent (LOI), ISTPCanada and UCOP aim to acquire a concise overview of the proposed bilateral initiative. Two types of proposals are requested, including the:

- **Conduct of focused bilateral round tables, workshops and/or symposia** that lead to novel methods or approaches for collaborative research.
- **Development and delivery of a detailed R&D business plans** for early-stage bilateral initiatives that help to propel the concept to the next stage of development (following the conduct of workshops and associated research).

Letters of Intent should:

- Identify the Principal Investigators from Canada and California and other confirmed collaborators:
 - A PI is required from each jurisdiction
 - PIs must come from universities that are confirmed to participate in the CCSIP CFP, and have approval from the Vice Presidents. Research at their universities
 - Other co-applicants from non-participating universities must have explicit support from their Vice President, Research to contribute to the proposal, and secure appropriate funding from their university or an alternate sponsor to cover their expenses in the project
- Provide a brief abstract that describes the proposed initiative and total funding requested

The LOI should not exceed one page in length.

Appendix D: Framework for Complete Proposals

In the complete proposal, ISTPCanada and UCOP aim to acquire a detailed overview of the proposed bilateral initiative. It is important to be clear and concise when filling each field so as to best present the merit of your project in an effective manner.

Please find below two frameworks for the types of bilateral proposals requested, including the:

- **Conduct of collaborative events (such as round tables, workshops and/or symposia)** that lead to novel methods or approaches for collaborative research.
- **Development and delivery of detailed R&D business plans** for similar bilateral initiatives that help to propel the concept to the next stage of development (following the conduct of workshops and associated research). This may include the establishment of new research networks, R&D consortia or Centers of Excellence.

Applicants are invited to select the framework that is best suited the objectives of the proposal and address the associated requirements.

Proposals should not exceed **seven pages in length**, with a maximum of 20 pages of supporting information in appendices.

Proposal Cover Page (Required for All Applications)

- Title of the proposed project
- Date of proposal submission
- Principal Investigators (PI) from Canada and California: name, title, university, contact information, and signatures of the PI's
- Authorized signatory (Vice President, Research) from lead Canadian and Californian universities, including name, title, university, contact information and signature of the Vice President, Research
- Key secondary investigators: name; title; university; contact information
- Industry or other partner(s) if applicable: name; title; organization; contact information

Conduct of Collaborative Events (such as Round Tables, Workshops and Symposia)

Proposals should describe the:

- Novelty and quality of the proposed idea or concept for a bilateral initiative
- Objectives of the collaborative event
- Expertise of the applicants and the partners involved (highlighting the participation of universities from both Canada and California); please describe the capability of the Principal Investigators to convene the collaborative event
- Benefits of the proposed bilateral collaboration for both Canada and California; please articulate the value of bilateral collaboration over a unilateral approach, and the anticipated educational impacts (such as knowledge exchange, curriculum development, training of students or professional development of faculty)
- Scope of the collaborative event; this *may* include how the project addresses educational needs, leverages research resources, brings together researchers from different scientific disciplines and/or industrial sectors, and/or facilitates the physical exchange of students, faculty or other research talent between Canadian and Californian universities
- Format of the proposed collaborative event, including target audience, number of participants, content outline and type of activities (panel discussions, presentations, demonstrations etc.) and the duration of the proposed event

Appendices (maximum of 20 pages):

- Project Personnel: Who are the key contributors to the project? Please define the key roles and responsibilities for each member of the team and provide a resume for each key contributor
- Funds requested from CCSIP, and confirmed from Canada and California: Please reference the budget template in Appendix E of this document
- Additional appendices as required

Development and Delivery of a Detailed R&D Business Plan:

Proposals should describe the:

- Novelty and quality of the proposed idea or concept for a bilateral initiative
- Expertise of the applicants and the partners involved (articulating participation of universities from both Canada and California); please describe the capability of the Principal Investigators and collaborators to develop and deliver a detailed R&D business plan
- Objectives of the bilateral initiative
- Benefits of the proposed bilateral initiative for both Canada and California; please articulate the value proposition of bilateral collaboration over a unilateral approach; and the anticipated educational impacts (such as knowledge exchange, curriculum development, training of students; professional development of faculty); and the potential for downstream technology transfer or delivery to market
- Scope of the proposed initiative; this *may* include how the project addresses educational needs, leverages research resources, brings together researchers from different scientific disciplines and/or industrial sectors, and/or facilitates the physical exchange of students, faculty or other research talent between Canadian and Californian universities
- Proposed approach to the development and delivery of the business plan (including key activities or tasks to be performed by the project team and the associated schedule)

Appendices (maximum of 20 pages):

- Project Personnel: Who are the key contributors to the project? Please define the key roles and responsibilities for each member of the team, and provide a resume for each key contributor.
- Funds requested from CCSIP, and confirmed from Canada and California: Please reference the budget template in Appendix E of this document
- Additional appendices as required

Appendix E: Budget Template

Request for Funds through the CCSIP CFP:

Overview of Canadian Funding: Please express all terms in Canadian dollars and add rows for additional funding sources as required.

Canadian Sponsors	Value of Cash Contribution (CDN\$)	Value of In-kind Contribution (CDN\$)	Total Value of Contribution (CDN\$)
Funding Source 1			
Funding Source 2			
Funding Source 3			
Funding Source 4			
Total Budget			

Overview of Californian Funding: Please express all terms in US dollars and add rows for additional funding sources as required.

Californian Sponsors	Value of Cash Contribution (US\$)	Value of In-kind Contribution (US\$)	Total Value of Contribution (US\$)
Funding Source 1			
Funding Source 2			
Funding Source 3			
Funding Source 4			
Total Budget			

Overview of anticipated expenditures:

This section should articulate how the proposed funds will be allocated during the project.

Terms and Conditions of CCSIP Funding:

Conduct of Collaborative Events:

- The collaborative event must take place in Canada or California between July 1, 2009 and June 31, 2010
- CCSIP will not consider support for events that are part of a series of workshops or regularly scheduled events with existing networking groups (*business as usual*); or events that are incorporated into another larger event (i.e. as one or more sessions) or organized “in parallel” to a large event on a similar topic; the organization of back-to-back events will be accepted
- The meeting should be clearly identified as a CCSIP event in all advertisements, posters, websites, abstracts, proceedings, etc; additional support from other organizations should also be acknowledged
- Participants should not be requested to pay a registration fee
- A concise report of the scientific/strategic output of the workshop, as well as a financial report on workshop expenditure and statistical information on the workshop participants, must be submitted to the CCSIP Steering Committee within three months of the event; the scientific report will be published on the CCSIP website
- CCSIP funds may be applied to travel and accommodation for invited speakers and event participants (including the exchange of students, faculty and other research talent); organization and management of the collaborative event (including the salaries for personnel who will plan and manage the event; logistics and associated event expenditures such as venue, catering, audio-visual equipment etc.); follow-up research, communications and/or other actions emerging from the event

Development and Delivery of Business Plans:

- The business plan must be developed and submitted to the CCSIP Steering Committee by June 31, 2010
- CCSIP will not consider support for the development of business plans that are part of an existing initiative or project (*business as usual*)
- CCSIP funds may be applied to the conduct or purchase of competitive intelligence or market research; the conduct of a feasibility study; reasonable legal fees, for example, to acquire guidance on intellectual property management/sharing issues; salaries or consulting fees for business or management experts who will contribute to the development of the business plan; travel and accommodation for team members (including the exchange of students, faculty and other research talent); the conduct of associated stakeholder outreach or events (leading-up to or following development of the business plan) and publication and/or communication expenditures