NSERC Research Partnerships Programs

- Expanding know-how
- Creating opportunities
- Finding solutions

Patricia Rouillard, Senior Program Officer, NSERC
Poultry Research Capacity Workshop - Toronto
November 24, 2015
Discover / We invest in scientific discovery and talent for the benefit of Canada – science and engineering at the frontier of knowledge.

Innovate / We ensure businesses are the first to know – use discoveries to accelerate R&D.
Eligibility of partners

- Canadian-based company
- R&D and/or produces goods or services
- Derives majority of revenues from sales of goods/services – not government
- Exploit research results for economic benefit of Canada
Collaborations with over 3,000 companies backed by a scalable and flexible set of programs. We connect industry with world-firsts in knowledge and the people behind them, fuelling R&D and leading to firsts in the marketplace.

Engage
Options for universities, colleges and industry to easily connect and start working together. No risk.

Collaborate
Scalable tools to meet industry needs. On-demand expertise, joint business-university and business-college/polytechnic research chairs, large-scale industrial collaborations. De-risk.

Commercialize
Assistance to speed the path for promising research. Launch.

Celebrate
Recognition for inspiring and productive business-research partnerships. Promote.
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Engaging in a New Collaboration

Connect Grants

• 3 levels of funding
  • Level 1: up to $5K (travel)
  • Level 2: up to $10K (regional)
  • Level 3: up to $25K (national)

• Duration
  • Level 1: up to 3 months
  • Level 2 & 3: up to 1 year

• Contact RO before applying
  • Activities and eligibility of partners

• Decision within 30 days

• Internal review

• Approval rate: 80%
Engaging in a New Collaboration

Engage Grant (EG)

“The project has been a key enabler for us, and the results have already increased our efficiency by 30-35%.”

Ken Hanasyk, President, MagWall

- Problem specific to the company
- 6 month project
- Up to $25K from NSERC
- In-kind required (no cash)
- Company owns the IP
- Apply at any time
- Decision within 6 weeks
- Approval rate: 83%
Furthering this New Collaboration

Engage Plus Grant (EG)

- Allow to build on results of EG
- 6 month duration
- Up to $12.5K from NSERC* with equal amount coming from company
- Company owns the IP
- Apply in last month of EG and up to six months after end date
- Rapid decision
- Approval rate: 93%

* Overhead and in-kind not matched
Broaden HQP Training Perspectives: Industrial Scholarships

Industrial Undergraduate Student Research Awards

- Employed by company for 12-16 weeks
- $4.5K from NSERC
- Min $1,125 from company;

- Company must be private sector and profit-motivated
- Company must have facilities (not in a residential location)
- No deadlines for applications
- Success rate ~90%
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Strengthening and Maintaining a Longer Term Collaboration

Collaborative R&D Grant (CRD)

• Industry driven R&D project
• Shared costs: Each $1 cash and $1 in-kind from company levers up to $2 from NSERC
• Flexible
  Entire R&D spectrum
  Duration 1-5 years
  Small to large projects
  Apply at any time
• Flexible IP
• Success rate: 85%

“We are definitely ahead of the curve today as a result of this collaborative R&D project... significantly reduced our material costs... placed us in a much stronger position technologically”

John Persic, VP R&D, Microbonds
Building Capacity

Industrial Research Chair (IRC)

“(We) develop the integrated mathematical algorithms and then train industry to deploy the know-how in their own production shops. At the same time, we need industry at the table telling us their problems, their expected solutions and priorities.”

Dr. Yusuf Altintas, UBC IRC Chairholder

- Prestigious Faculty appointment
- 3 levels: Associate, Senior and Executive
- Capacity building for University:
  - Significant research program established or enhanced in area of interest to industry
- Industry provides 50% of costs in cash
- 5 year renewable, depending on level
- Success rate: ~70%
Strategic Partnerships

Projects (SPG)

- Accelerate research in identified target areas of national and/or government priority
- No cash required, in-kind is mandatory
- Competition-based
- Success rate: 20-25%

Networks (SNG)

- Large-scale, multi-disciplinary projects in targeted areas that require a network approach
- Competition-based
- Success rate: 25-30%
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Commercializing Academic Inventions

Idea to Innovation (I2I)

“The I2I funding gave us the opportunity to mature the technology enough to be able to attract seed funding”

Ken Lawless, CEO
BDR Technologies

- Bring academic inventions closer to the market
- Reduce technical risk for industry
- Up to 3 years of funding
- $125K to $350K from NSERC
- Investor/Company cash contribution in Phase II
- 4 competitions/year
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Recognizing models of effective partnerships

Synergy Awards for Innovation

- 4 categories: SME, Large, 2 or more, College
- Lasting partnership, efficient use of resources, tangible benefits
- Nomination: VPR or company CEO
- $200K research grant
- $30K CRD voucher for partners
- Competition-based
Questions?

- www.nserc-crsng.gc.ca
- RPP@nserc-crsng.gc.ca
- 613-992-5606
- Patricia.Rouillard@nserc-crsng.gc.ca
- 613-992-1372