# Building Research Partnerships Through NSERC March 14, 2017 Natural Sciences and Engineering Research Council of Canada Research C



## **My Goals Today**

- Highlight NSERC Partnership Opportunities
- Answer questions



# How Does NSERC Help Companies?

- NSERC helps companies solve R&D challenges by connecting them with experts at Canadian universities and colleges
- NSERC offers a suite of programs that fund researchers to work on problems of interest to their industry partners







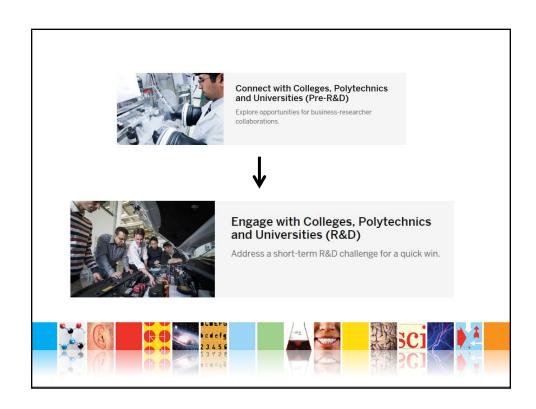
## Connect with Colleges, Polytechnics and Universities (Pre-R&D)

Explore opportunities for business-researcher collaborations.

#### **Connect Grants:**

Help companies and academic researchers meet to define priorities for future joint R&D projects





## **Engage Grants**

- Support new collaborations
- · Aimed at solving company-specific problem
- · Six-month project; up to \$25,000 from NSERC
- · No company cash required; just in-kind
- New IP owned by company
- Apply anytime; 4-6 week turnaround



## **Engage Grants**

8,483 new collaborations\*

- •Overcoming barriers through a simple application, quick turnaround time, high success rate, and no need for IP negotiations
- •1 in 4 Engage projects has led to a longer-term project, such as an NSERC CRD
- •1 in 6 companies have hired a student involved in an Engage Grant project



#### **Engage Grants**

- 94% of companies describe the project as a success
- 86% of companies state their problem was fully or partially solved through the Engage project
- Companies report positive impact of Engage: enhanced R&D activity (66%), new business directions (62%), improved competitive position (49%), attraction of new investment (26%), enhanced knowledge base and skills (83%)
- 2/3 of professors report using the results of the six-month Engage project in a publication and student thesis



Engage with Colleges, Polytechnics and Universities (R&D)

Address a short-term R&D challenge for a quick win.











#### **Engage Plus Grants**

- Awarded to a researcher and company that previously collaborated on an Engage Grant project
- Build on the results of the original Engage project
- NSERC matches company cash up to a maximum of \$12,500
- Application submitted within six months after the original Engage project ends
- IP owned by the company; 4-6 week turnaround



Engage with Colleges, Polytechnics and Universities (R&D)

Address a short-term R&D challenge for a quick win.











## Collaborative Research and Development Grants (universities)

- Focused R&D projects
- Grants range from \$10K to over \$400K per year
- · Industry cash required
- Flexible leverage:
   \$1 of company cash + \$1eligible in-kind = \$2 from NSERC
- Apply anytime
- · Peer-review; 3 to 5 month turnaround



## **Applied Research & Development Grants** (colleges)

- Grants of up to \$150K per year
- · For projects up to three years
- Apply any time
- · Industry contributes cash and in-kind:
  - For grants up to \$75K the company contributes ½ of NSERC's contribution (at least \$10K in cash)
  - For grants between \$75K and \$150K the company contribution <u>equals</u> the NSERC contribution (company contributes ½ cash, ½ in-kind)



# College - University Idea to Innovation (CU-I2I) Grants

- Develop and strengthen research links between colleges, universities and businesses
- Accelerate the development of promising technologies and promote their commercialization into the Canadian marketplace
- Projects focus on improving or extending existing company technology, commercial products, processes, and/or services



# College - University Idea to Innovation (CU-I2I) Grants

- Awards of up to \$250,000 per year for college and university participants and can span up to three years
- Company must contribute to the direct project costs with cash, in-kind contributions or a combination of both
- Company contributions can be matched at a max. level of 1:1 for both college and university participants

(e.g. If partner contribution is \$100,000, NSERC can award up to \$100,000 for college participants and \$100,000 for university participants.)



#### **Experience Awards**

- Hire undergraduate students to conduct research for a 16-week period
- NSERC contribution: \$4,500
- Company contribution: minimum of \$1,125
- Up to 15 students per company per year
- Potential future employees
- Apply anytime; four-week turn-around



#### **Questions?**

#### Frank Nolan

NSERC Prairies Regional Office 435 Ellice Avenue, Suite 430 Winnipeg, Manitoba R3B 1Y6

Tel: 204-984-0426
E-mail: frank.nolan@nserc-crsng.gc.ca

