What we offer
Through R&D services, collaborations, and licences, our clients can access “à la carte” expertise or partner with us for co-development opportunities. We also transfer large molecule assets, bioprocessing solutions and other enabling technologies to our industrial clients to reinforce a strong, prosperous Canadian biomanufacturing sector with global impact.

Working hand in hand to help biotech firms achieve success
NRC’s Human Health Therapeutics (HHT) works hand in hand with industry to help biotech firms achieve success and save costs. As an R&D partner of choice, NRC HHT de-risk critical steps in the development of biologics, vaccines, and delivery of large molecules to the brain. We add value to partners’ products and accelerate their progress to market by overcoming challenges in target generation and validation, candidate optimization and characterization, and bioprocessing. NRC-HHT stimulates industry presence in Canada while lowering costs to its health care system.

Strategic R&D programs
Through the Portfolio’s three strategic R&D programs, our highly qualified research teams apply their unparalleled skills to projects with industry.

- Biologics and Biomanufacturing program: development of biotherapeutics against cancer, infectious, inflammatory and auto-immune diseases.
- Vaccines and Immunotherapeutics program: development of prophylactic and therapeutic vaccines against cancer and emerging infections.
- Therapeutics Beyond Brain Barriers program: development of biotherapeutics against CNS diseases.

R&D expertise
HHT applies the following five areas of R&D expertise to both co-development and service projects with industry.

- Antibody generation and prioritization
  - Streamlined antibody generation methods to generate traditional and single domain antibodies
  - Bioinformatics and protein design approaches
  - High throughput assays for ranking antibody functionality and manufacturability
  - Non-antibody protein therapeutic expertise
Interested?
If you’re interested in developing biologics or vaccines, optimizing your biomanufacturing processes, accessing our advanced scientific infrastructure, or connecting with our experts, contact us today!

An ideal partner for SMEs
By partnering with NRC, you can look forward to working with an experienced team of internationally recognized researchers, backed by NRC’s extensive technology and infrastructure assets. While we work with firms of all sizes, these resources make us an especially attractive partner for small and medium sized enterprises, who frequently adopt a virtual wet laboratory model and have limited capacity to invest in research and development.

Research facilities
Partnering with us will give you access to our animal cell and microbial fermentation pilot plants, our preclinical in vivo facility, and to advanced analytical platforms which include mass spectroscopy, nuclear magnetic resonance (NMR), flow cytometry and surface plasmon resonance (SPR). Our world class facilities are located in Ottawa, Montréal and Halifax.

• Microbial Fermentation Pilot Plant
• Animal Cell Pilot Plant
• Advanced Analytical Platform
• Preclinical in vivo facility

Partner benefits
When you work with NRC HHT, you have many advantages at your finger tips:
• The largest biologics-dedicated R&D team in Canada
• Expert involvement from target selection to cGMP-like bioprocesses
• An experienced team with a track record of satisfied biopharma industry clients
• High caliber packages of technologies ready to license
• Integrated resources throughout the NRC offering access to a wide range of capabilities

Your partner of choice
A globally recognized leader in the field of biologics and vaccine development, we offer our partners access to a highly qualified research team that can deliver first rate results while maintaining confidentiality.