

# Life Sciences Facilities



Morrison Hershfield offers comprehensive strategies for the definition and development of design solutions for advanced research, bio-pharmaceutical commercialization, and healthcare facilities. An integrated multidisciplinary team of architects and engineers work in concert with client stakeholders to establish functional programs, master plans and conceptualization of design solutions for wet and dry laboratories, pre-clinical, clinical, scale-up/pilot plants, production, logistics, high containment spaces and related support facilities. Project development services combine current best practices (cGXP's) with sustainable strategies to deliver maximum value for money in the context of new construction or renovation/upgrade projects. Experience in project delivery methodologies includes design-bid-build, design-build, and public-private-partnerships across Canada and in the USA.

Sample building types include:

- **Research and GLP laboratories**
- **Pre-clinical facilities and vivaria**
- **Pharmaceutical and GMP facilities**
- **Biotechnology facilities**
- **Hospital and healthcare facilities**
- **Containment level (CL) 1, 2, 3**



IPV High Contaminant Facility



Chemistry Building Alterations



Campus Research Facility



Lab Fit-Out for Pharmaceutical Company



DNA Cluster and Forensic Research Center at a University





### Chemistry Building Alterations

When Carleton University received funding to renovate the Steacie Chemistry Building, the university sought our expertise to assemble a team of architects, engineers and designers to not only meet today's rigorous health and safety standards but to provide a state of the art chemistry laboratory. The new Superlab encompasses 6,500 sq ft of lab space and included the replacement of the existing old wooden fume hoods with 47 new fume hoods. The teaching zones are equipped with live A/V cameras and screens to assist in managing larger class sizes. *"Scientists walk into the lab and say 'wow' because of how functional it is. Non-scientists walk in and say 'wow' because of how beautiful it is,"* Robert Burk, Chair and first-year professor, Department of Chemistry.



### Lab Fit-Out for Leading Pharmaceutical Company

We were asked to consolidate several research and analytical testing operations into a single location on the corporate campus. Several alternatives were examined and the preferred option was selected for execution as a cost-effective fit-out project within a recently constructed building shell. As prime consultant, we provided architecture, mechanical and electrical engineering services.

