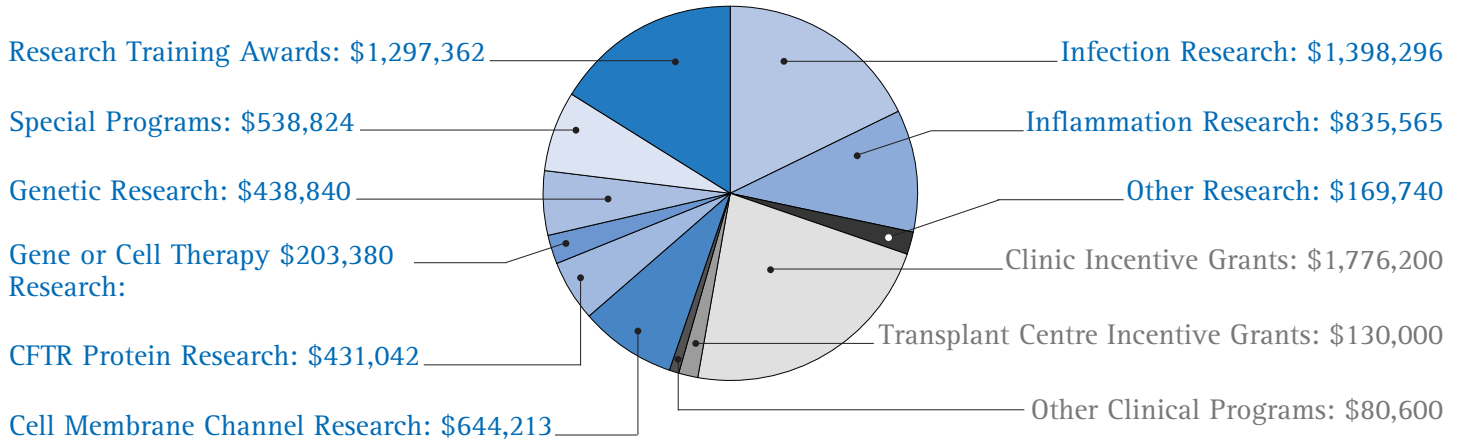


# 2009-2010 Clinical and scientific research programs

Research Programs Total: \$5,957,262

Clinical Programs Total: \$1,986,800



## Research Training Awards

These awards offer CF researchers, graduate and undergraduate students opportunities to enhance their capacity to conduct CF research and develop outstanding research programs.

## Special Programs

Includes funding for **Breathe** (Basic Research and Therapy) research teams, a Team Grant investigating cystic fibrosis related diabetes, and a five-year special project studying antibiotic-resistant bacteria.

## Genetic Research

Researchers are studying how genes other than the gene responsible for CF affect severity and other disease outcomes.

## Gene or Cell Therapy Research

Researchers are looking for ways of correcting the gene mutation in airway cells, which would prevent the damaging effects of cystic fibrosis in the lungs. These may include inserting a correct version of the gene into airway cells, and growing corrected cells outside the body to replace airway cells.

## CFTR Protein Research

Investigators are studying the CFTR (Cystic Fibrosis Transmembrane Regulator) protein in detail to determine what goes wrong with the protein, and how to correct the protein so it can perform its normal functions.

## Cell Membrane Surface and Channel Research

Researchers are examining how various cell membrane channels affect the movement of water or other molecules, and whether cell membrane channels could act as targets for new treatments for cystic fibrosis.

## Infection Research

Investigators are studying the most common and damaging bacteria in CF lungs, including *Pseudomonas aeruginosa*, *Burkholderia cepacia* complex, and *Staphylococcus aureus*.

## Inflammation Research

Inflammation is often an effect of the body's attempt to fight infection, but in people with CF, inflammation is often excessive and damages delicate lung tissue. Researchers are studying the inflammatory response in CF lungs, and looking for ways of reducing inflammation and lung tissue damage.

## Other Research

In addition to the categories mentioned above, CCF-funded investigators are examining issues surrounding airway clearance techniques and lung transplantation, both important topics for people with cystic fibrosis.

## Clinic and Transplant Centre Incentive grants

These grants provide supplementary support for personnel involved in providing patient care and services, and for ongoing medical and professional education. The grants are designed to enhance the standard of clinical care available to all Canadians with CF.

## Other Clinical Programs

Includes funding for clinical projects, as well as travel awards for clinicians and allied health professionals.

For more information about these programs, please contact Eileen Hoftyzer at 1-800-378-2233 ext. 230.