

Scientific Director

Dr. Pieter Cullis

Professor, Biochemistry & Molecular Biology,
University of British Columbia (UBC)

Associate Scientific Director

Dr. Gilbert Walker

Professor, Chemistry,
University of Toronto (KTEE)

VISION:

to establish and mobilize a **network** drawn from academia, industry, and other not-for-profit research enterprises to maintain and improve Canada's position as a **global leader in developing next generation nanomedicines**

MISSION:

to develop **novel therapeutics** to cure high-burden human diseases and new diagnostics to detect disease more precisely; to commercialize these products to **bring health and economic benefits to Canadians**; and to train the skilled workforce required by the growing nanomedicines industry

GOALS:

- to develop nanomedicines that enhance the therapeutic properties of small molecule drugs
- to develop nanomedicines that enable gene therapy
- to develop new diagnostics based on nanotechnology
- to train scientists in the technology and business of nanomedicines
- to implement a cohesive nanomedicines IP and commercialization strategy
- to translate nanomedicine products and technologies to benefit partners, new companies, the Canadian economy, and patients worldwide

FUNDING:

NMIN was awarded **\$18,532,000** in funding over **5 years** (2019-2024) by the Government of Canada through the Networks of Centres of Excellence (NCE) Program.

RESEARCH THEMES:

Targeted Drug Development

Leaders: **Dr. Marcel Bally**, University of British Columbia
Dr. Shyh-Dar Li, University of British Columbia

Enabling Gene Therapies

Leaders: **Dr. Pieter Cullis**, University of British Columbia
Dr. Christian Kastrup, University of British Columbia

Diagnostics

Leaders: **Dr. Shana Kelly**, University of Toronto
Dr. Gilbert Walker, University of Toronto

CORES:

NANOCORE

Nanomedicines Formulation and Characterization Core Facility

Leader: **Dr. Pieter Cullis**
University of British Columbia

Co-leader: **Dr. Christian Kastrup**
University of British Columbia

PHARMACORE

Pharmacology/Toxicology and Scale-up Core Facility

Leader: **Dr. Marcel Bally**
University of British Columbia

NMIN

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