

OPEN HOUSE TRAINING

# New DirectInject-LC™ instrument for departmental use in the SIF

JAN 16 | 1:30 - 2:30 PM | SHARED INSTRUMENT FACILITY

## DIRECTINJECT - LC™



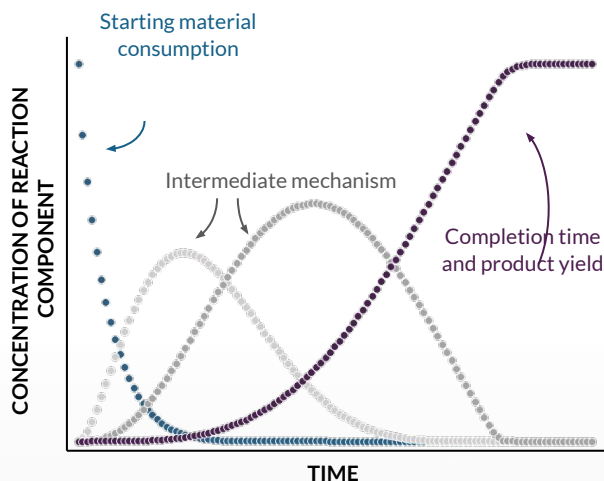
ONLINE HPLC ANALYSIS



UNATTENDED SAMPLING,  
QUENCHING, & DILUTION



PROFILING OF COMPLEX PROCESSES  
Catalysis, air-sensitive chem, heterogeneous  
reactions, crystallizations...



## OUR INNOVATION ECOSYSTEM

New technology  
embedded in the SIF



Chemistry  
research enables  
spinoff company

DIRECTINJECT - LC™



Spinoff develops  
commercial product



**Developed by students and  
research staff from the  
Department of Chemistry**



**HENRY SITU**

**Mechatronics Engineer**

BASc 2021, URA 2021

Design, manufacturing, CE  
certification, quality assurance



**JORDAN DAPONTE**

**Chemist**

MSc 2019, GRA 2020

Prototype construction,  
maintenance, and troubleshooting



**TOM MALIG**

**Chemist**

PhD 2020

Prototype development and  
application



**SHAD GRUNERT**

**Product Manager**

Hein Lab Manager, 2023

Design, commercialization,  
marketing, industrial deployment



**LARS YUNKER**

**Chemist & Software Developer**

PDF 2018, RA 2022

Automation and integration  
development



**SEBASTIAN STEINER**

**Chemist & Engineer**

PDF 2020

Prototype design and development,  
automation



# Acceleration Consortium

## WHAT WE DO

We **accelerate the discovery of ethical materials and molecules** required for a sustainable future.

## HOW WE DO IT

We **build self-driving labs** that combine AI and automation.

## WHO WE ARE

A **global consortium of academics, industry, and government** based at the University of Toronto and UBC.



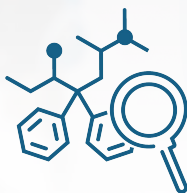
**TELESCOPE**  
INNOVATIONS

A TECH SPIN-OFF FROM THE HEIN LAB AT UBC

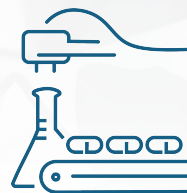
**We build intelligent automation platforms that  
accelerate chemical process development.**



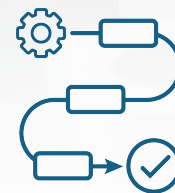
ARTIFICIAL  
INTELLIGENCE



ADVANCED  
ANALYTICAL TECHNOLOGY



AUTOMATION &  
ROBOTICS



PROCESS  
DEVELOPMENT