Update on Research Initiatives

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Office of the Vice-President, Research & Innovation

Committee on Academic Policy & Programs - January 2016

Major Policies & Guidelines relevant to Research and Innovation

- **General**

  Inventions; Copyright; Publication; Eligibility to be a Principal Investigator; Research Administration; Conflict of Interest – Academic Staff

- **Financial Accountability & Compliance**

  Financial Management; Travel; Banking & Borrowing Resolutions; Reporting Incidents of Suspected Financial Impropriety; Completion of Financial Accountability Forms; Policy on Approval and Execution of Contracts and Documents

- **Research Ethics & Protections**

  (1) Ethical Conduct in Research (and Guidelines & Practices Manual for Research Involving Human Participants; Framework to Address Allegations of Research Misconduct; Researchers' Guide to Regulations: Animals in Scientific Research and Animals in Field Research): (2) Research Involving Human Subjects and (3) Safety in Field Research

Policy Updates from Tri-Councils

➢ **Open Access Policy**

- Requires grant recipients to ensure that any peer-reviewed journal publications arising from Agency-supported research are freely accessible within 12 months of publication.

- Applies to all grants awarded by NSERC or SSHRC from May 1, 2015 onward; by CIHR from Jan 1, 2008 onward.

- Support and guidance provided to UofT researchers by the UTL Scholarly Communications and Copyright Office, including open-access author funding.

- UTL Info https://onesearch.library.utoronto.ca/copyright/open-access and Open Access Author's Fund: https://onesearch.library.utoronto.ca/university-toronto-libraries-open-access-author-fund

➢ **Statement of Principles on Digital Data Management (in development)**

- Aims to offer researchers and institutions guidance to help make responsible and informed decisions about data management, sharing and preservation.

- Importance of making Agency-funded research data available for reuse by others in a responsible way (i.e. considering factors such as commercial, ethical, and legal obligations, as well as costs and benefits).

- Responsibilities for management are evenly distributed; all stakeholders have a role.

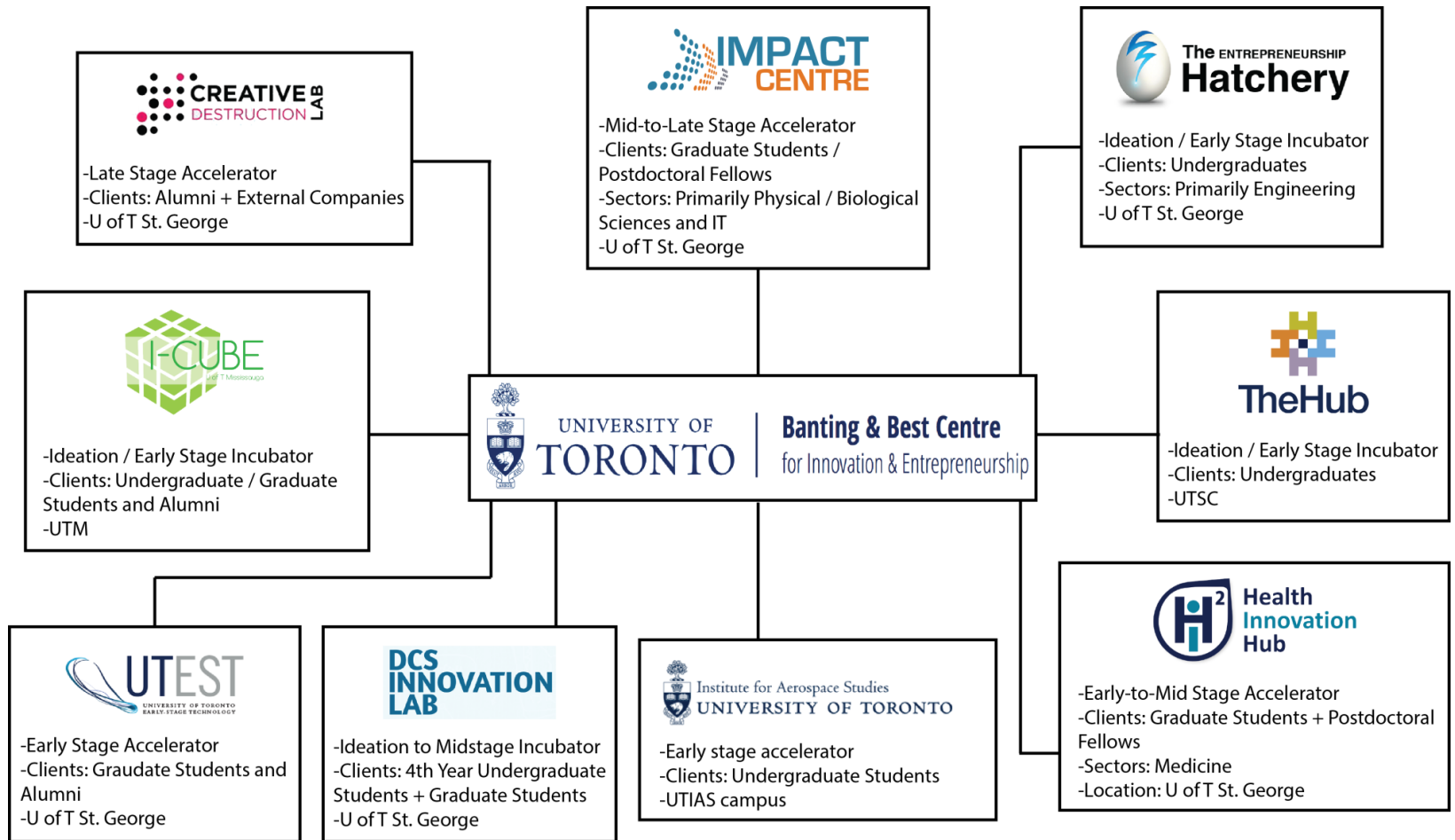# Banting & Best Centre for Innovation & Entrepreneurship (BBCIE)

➢ **Vision: To enhance the overall entrepreneurial ecosystem at UofT and the Greater Toronto Area**
  - Umbrella office serving UofT's 9 campus linked accelerators
  - Management of 50,000 square feet of space occupied by 20 start-up companies and commercialization support organizations
  - Facilitate cross-departmental, cross-campus and government relations
    - Greater visibility for entrepreneurship at UofT
    - Promoting entrepreneurship education to our students; 'No wrong door" approach
    - Increasing entrepreneurship-related facilities and services
    - Promoting the translation of deep research into products and services
    - Special initiatives – "Buy Blue" and entrepreneurial seed funds/stipends

Banting & Best Centre for Innovation & Entrepreunership (BBCIE)

➢ **Structure**

- BBCIE overseen by a Management Committee, co-chaired by the Vice-President, University Operations and the Vice-President, Research & Innovation.
- Managing Director - Management and operational oversight of BBCIE
- Assistant Vice-President, Innovation, Partnerships & Entrepreneurship - administrative oversight
- Academic Director – supports the academic aspects of student entrepreneurship (current search in process)
- External Advisory Committee – advice and international outreach (to be established in 2016)

BBCIE Eco-system Geography

CREATIVE DESTRUCTION LAB
-Late Stage Accelerator
-Clients: Alumni + External Companies
-U of T St. George

IMPACT CENTRE
-Mid-to-Late Stage Accelerator
-Clients: Graduate Students / Postdoctoral Fellows
-Sectors: Primarily Physical / Biological Sciences and IT
-U of T St. George

The ENTREPRENEURSHIP Hatchery
-Ideation / Early Stage Incubator
-Clients: Undergraduates
-Sectors: Primarily Engineering
-U of T St. George

I-CUBE U of T Mississauga
-Ideation / Early Stage Incubator
-Clients: Undergraduate / Graduate Students and Alumni
-UTM

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TheHub
-Ideation / Early Stage Incubator
-Clients: Undergraduates
-UTSC

UTEST UNIVERSITY OF TORONTO EARLY-STAGE TECHNOLOGY
-Early Stage Accelerator
-Clients: Graudate Students and Alumni
-U of T St. George

DCS INNOVATION LAB
-Ideation to Midstage Incubator
-Clients: 4th Year Undergraduate Students + Graduate Students
-U of T St. George

Institute for Aerospace Studies UNIVERSITY OF TORONTO
-Early stage accelerator
-Clients: Undergraduate Students
-UTIAS campus

H² Health Innovation Hub
-Early-to-Mid Stage Accelerator
-Clients: Graduate Students + Postdoctoral Fellows
-Sectors: Medicine
-Location: U of T St. George

Campus-Led Accelerators (CLAs)
Update - Achievements (18 months)*

387
New Start-Up Teams

1000+
Students/Staff Involved

100+
Courses and Workshops

2,300
Student course registrants

$3.3M
Generated in Sales

149+
Volunteer Mentors

100+
Entrepreneurial Events

$26.6M
In Investment

44
Service Providers

Metrics as reported by CLAs

Programs – Undergraduate & Graduate

- Applied Computing, MSc
- Economics, BA, MA, PhD; Financial Economics, BSc, MFE
- Engineering Business Minor
- Engineering, MEng
- Innovation & Entrepreneurship, MBA
- Management of Innovation, MMI
- Skoll BASc/MBA

Courses – examples

- Applying Innovation in Engineering
- Innovation & Entrepreneurship
- Creative Applications in Mobile Devices
- Establishing a Go-to-Market Strategy
- Innovative Technologies & Organizations in Global Energy Systems
- Launching Information Ventures
- Social Entrepreneurship

U of T grads in finals for Hult Prize – talking stickers to boost literacy for impoverished children