



# H2i International Health Entrepreneurship (HENT) 2023-2024

*Prepared by the H2i Executive Team  
August 2024*

In partnership with

**Temerty  
Medicine**





# CONTENTS

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Executive Summary	3
Mission & Vision	4
Value Proposition	5
Team	8
H2i-HENT Overview	9
Our Method	13
Core Services	14
Translational & Commercialization Mentorship	15
Entrepreneurial Education - Partnered	17
Entrepreneurial Education - Core	25
Funding Opportunities	32
H2i-HENT Community	35
Community Impact	39
Future Roadmap	42

# HENT Executive Summary

In 2023–24, H2i continued its record of providing outstanding and impactful mentorship, supporting our diverse international health technology client community. This year saw the expansion of our team for H2i–HENT with the addition of a new lead Level 3 Mentor, Fraidiane Sévigné. This marked the beginning of supporting ventures on their scaling of activity. Our diversity and scope of industry mentors grew and contributed to over 150 mentorship hours to H2i’s 47 African venture startups. Ventures generated \$20M revenue (1M non-dilutive+10M equity+9M sales) and have been featured across the African continent.

This new growth is the product of the whole H2i community, which is celebrating its 10th anniversary in 2024. As the sole health focused campus-linked accelerator at the University of Toronto, H2i provides support for health startups across the university throughout their venture pathway, without jurisdictional limitations (across the tri-campus; and strategically on behalf of UofT at the provincial, national, international levels). With a growing portfolio of African ventures as part of the Africa Higher Education Health Collaborative and in partnership with the Mastercard Foundation, H2i supported UofT’s VP–International mission in its global commitment to ensure equitable access to entrepreneurial resources and activities, in addition to helping build mentors and KOL cohorts, while developing additional EDI-centric activities (e.g. FemSTEM domestic and now FemStem Africa series).

This year was a year of change, which saw new leadership, a partnerships with all 8 collaborating schools on the continent grow substantially to more than 25 activities on the planned agenda for 2024–25, and more efforts in advocacy for venture support, investor readiness, and expansion of national and international partnerships. Our team at H2i hopes that this momentum will carry towards catalyzing the health innovation and commercialization agenda at the University of Toronto, into the next decade.

## THE HENT **MISSION**

To support the fostering of multiple innovation hubs across the African continent, which enable entrepreneurs, focusing on youth and women, to grow their ventures in the medical health space.

## THE HENT **VISION**

Co-creation of fully independent ventures providing healthcare related solutions that are Afrocentric, scalable and impactful, while increasing employability and sustainability in healthcare.

# THE HENT VALUE PROPOSITION

Health Entrepreneurship (HENT), within the Africa Health Collaborative at the University of Toronto, aims to support emerging health accelerators to empower health entrepreneurs across Africa.

The HENT program aims to provide solutions to some of the challenges in Africa through education, mentorship and funding, with a focus on youth and women.



EDUCATION



MENTORSHIP



FUNDING

# HOW WE DO THIS:

The HENT team is made up of:

- Health Innovation Hub (H2i) at the Temerty Faculty of Medicine,
- The Bridge at UofT's Scarborough Campus
- ICUBE at UofT's Mississauga Campus



All three teams support the health focused ventures in Africa, through activities such as the HENT Challenge (via the African Impact Challenge Program with the Bridge); the FemSTEM program at H2i; one-on-one Health Entrepreneurship mentoring and other co-created activities with African HENT partners via H2i; and unique social entrepreneurial training offered by ICUBE.

# HENT COLLABORATIVE PARTNERS



**AIMS** African Institute for  
Mathematical Sciences  
IN AFRICA'S YOUTH, THE FUTURE OF SCIENCE

**ALU** AFRICAN  
LEADERSHIP  
UNIVERSITY



**ASHESI**



**KNUST**  
KWAME NKRUMAH UNIVERSITY  
OF SCIENCE AND TECHNOLOGY



mastercard  
foundation



UNIVERSITY OF CAPE TOWN  
IYUNIVESITHI YASEKAPA • UNIVERSITEIT VAN KAAPSTAD



UNIVERSITY OF  
**TORONTO**

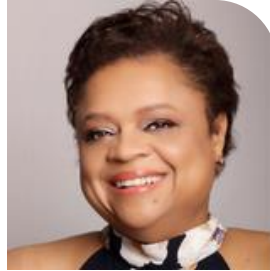
# H2i INTERNATIONAL H2i-HENT TEAM



**Paul Santerre, Ph.D**  
Director



**Amanda Dlamini, MMIE**  
International Program &  
Communications Coordinator



**Fraidianie Sévigné, BChem**  
Senior Coordinating  
Mentor/H2i Advisor



**Joseph Ferenbok, Ph.D**  
Associate Director



**Yolanda Yao, MHRM**  
Program Coordinator



**Sophie Stuart-Sheppard, MPH**  
Coordinator, Communications &  
Community Development

H2i-HENT is supported by the HENT-Roundtable executive committee, made up of executive members of the Africa Health collaborative, representatives from the Bridge and the African Impact Initiative at the University of Toronto Scarborough (UTSC) campus, and ICUBE at the University of Toronto Mississauga (UTM) campus.

Further, H2i-HENT is further supported by an interdisciplinary executive team (Gabriella Chan, Legal; and Senior Coordinating Mentors Neil D’Cruz, Kamran Khan, David Latner and Keith Pardee from H2i at the University of Toronto, dedicated to entrepreneurial education and venture building.



# H2i INTERNATIONAL HENT OVERVIEW

# H2i-HENT | 2023-24 BY THE NUMBERS

## 47 CLIENTS SUPPORTED

This year, H2i supported **47 ventures** across Africa, as part of HENT.

## 20M DOLLARS GENERATED

HENT clients in H2i generated \$20 million CAD, through sales, investments, awards, grants and contracts.

## 79% WOMEN-FOUNDED

H2i, in partnership with Social Enterprise Ghana, Sustineri Attorneys and The Mastercard Foundation, co-hosted the FemSTEM Africa series, celebrating the vibrant ecosystem of women-led health innovation.

## 147 EVENTS HOSTED

H2i's programming portfolio welcomed domestic and international community alike to work and learn together virtually and in-person at 147 events, workshops and seminars.

## 33 MENTORS ENGAGED

H2i HENT mentors provided over **150+ mentorship hours** to support H2i's international and domestic early-stage companies.

### H2i's Online Community



**17,000+**

website visits  
from **123** countries

**1000+**

Twitter/X  
Followers



**1300+**

newsletter  
subscribers



# H2i-HENT PROGRAM GOALS

- Equip 5,000 online learners with practical entrepreneurial skills.
- Host 20 pitch competitions (10 through the Africa Impact Challenge and 10 through H2i) to attract investors, partners and a network of mentors. Each year, FemSTEM Africa will be hosted by a partner from the collaborative.
- Mentor 8 incubators on the continent who can support socially impactful, health-related ventures.
- Through these incubators, support more than 3,600 ventures launched by young African entrepreneurs, with a focus on women.
- Create more than 11,100 sustainable jobs.

## H2i-HENT HOURS 2023-24

**230hrs**  
Meeting Hours

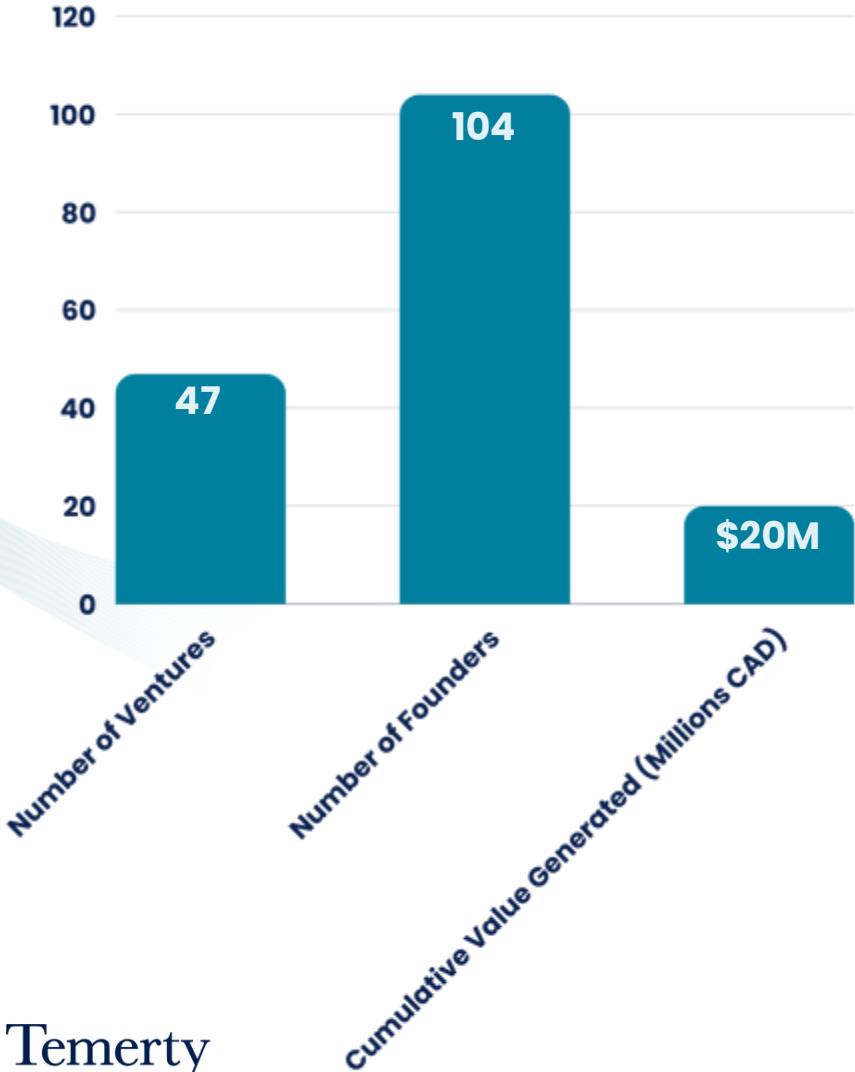
**25hrs**  
HENT Roundtable  
Meetings

**5hrs**  
Pillar Advisory  
Meetings

**48hrs**  
Travel Meetings

# H2i-HENT Client Portfolio 2023-24

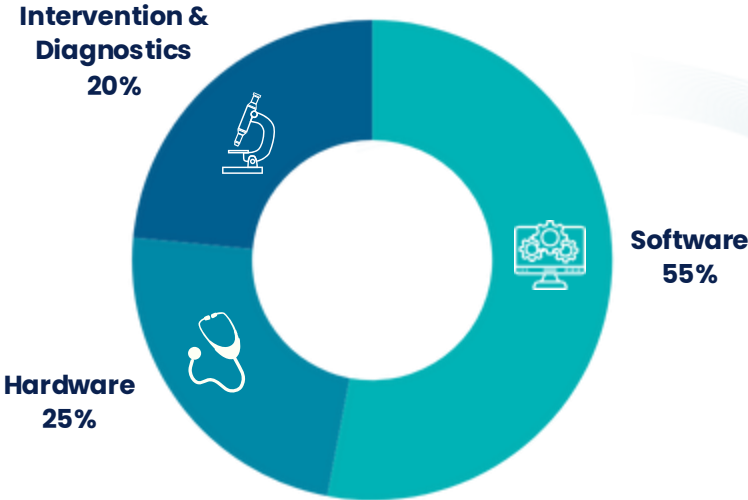
## Client Portfolio



## Women-Led Ventures

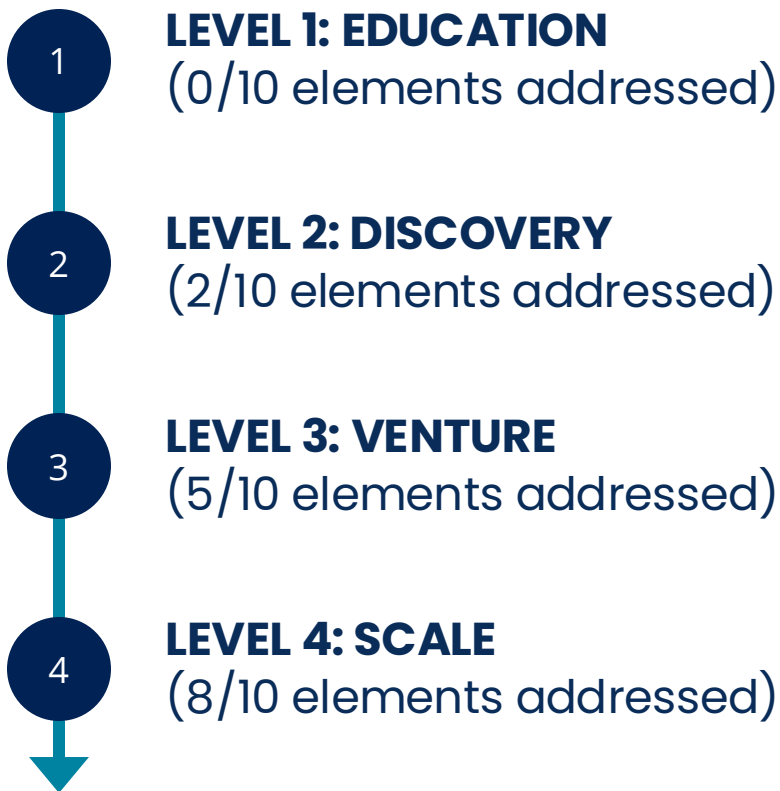


## Companies by Category:



# THE H2i 4-LEVEL METHOD

Our companies enroll in a 4-level program. To graduate, each company must define all 10 business canvas elements (no specific order, all elements are important).



## BUSINESS ELEMENTS

- What is the problem you are solving?
- What is your value proposition?
- What is the size of your market?
- Who is part of your team; what do they bring?
- What is your technology & solution?
- Who are your customers, what is your revenue model?
- How will you go to market?
- Who is your competition?
- What is your financial plan?
- What are your key milestones?

# CORE SERVICES

- 01 **TRANSLATIONAL & COMMERCIALIZATION MENTORSHIP**
- 02 **ENTREPRENEURIAL EDUCATION**
- 03 **NETWORKING EVENTS**
- 04 **FUNDING OPPORTUNITIES**
- 05 **PROFESSIONAL SERVICES**
- 06 **EQUIPMENT AND INVESTOR ACCESS**



# MENTORSHIP HIGHLIGHTS



## Mentorship is the key to success.

H2i mentors and key opinion leaders provided 150+ mentorship hours of consulting support to H2i's HENT ventures.

Advisors, domain experts and key opinion leaders (KOLs) have been vital to facilitating growth and development as the companies they move through H2i's programming to learning critical business strategies and advance their health innovations forward.

150+  
Mentorship  
Hours

33  
Volunteer  
Mentors

# DEFINING MENTORSHIP @ H2i:

## MENTOR

Regularly engaged by H2i on a range of programming activities and ongoing 1-on-1 mentorship.

## KEY OPINION LEADER (KOL)

KOLs provide occasional opinions in an aspect of some health business related topic.

## ADVISOR IN RESIDENCE

A regularly called upon subject matter expert who engages with us on a range of programs and contributes directly to building curriculum elements.

## REGULATORY AFFAIRS ADVISOR IN RESIDENCE

Provides unique mentorship to H2i clients on the global regulation of medical devices, medicinal products, and services, including technology-specific clinical trial and quality system requirements.

# H2i-HENT MENTORS

## Agnes Emefa Essah

Strategy, Brand & Marketing Director  
Nyaho Medical Center

## Allan Miranda

Head Market Engagement Excellence, Johnson & Johnson

## Anna Apaw

Founder, eFeMs

## Birago Nyantakyi

Associate, Sustineri Attorneys

## Cari Whyne

PI & Medventions Consultant, Sunnybrook Hospital

## Craig Simmons

Mechanical Engineer, University of Toronto-TRCHR

## Dozie Amuzie

Head, J-Labs Toronto

## Dr Elikem Tamaklo

Managing Director, Nyaho Medical Center

## Elizabeth Johnson

Founder & CEO, Medical Tourism Africa

## Elsie Amoako

Founder & CEO, Mino Care

## Fraidianie Sévigné

VP Operations, Ripple Therapeutic

## Gabriella Chan

Founder, Principal Lawyer, Yocto Law

## Grace Castillo

Founder & CEO, Gifftid

## James Fraser

CEO, Madiro

## Josée Pharand

Director, IP Programs & Policy, ventureLAB

## Joseph Cafazzo

Director, Human Factor Facility, UHN

## Joseph Ferenbok

Associate Director, H2i

## Kamran Khan

Founder & CEO, Bluedot

## Lahav Gil

CEO, Arma Biosciences

## Laura Dempster

Professor of Dentistry, UofT

## Leah Nduati

Lead, ALX

## Len Wechsler

President, Lionfish Limited

## Liz Munro

Vice President, Strategic Consulting, Avania

## Luke Shankland

COO & Co-Founder, Aviro Health

## Mxolisi Nkutha

Co-Founder & Lead EcoSystem Builder, Gifftid

## Monica Kahindo

Director of Development, Madiro

## Nayanashri T.A

Co-Founder & CTO, Cirāyu Innovations Inc.

## Nick Hu

Executive Director Health Innovation, Sand Technologies

## Paul Santerre

Director, H2i

## Dr. Peter Lwabi

Cardiologist, Uganda Heart Institute

## Richard Nunekpeku

Managing Partner, Sustineri Attorneys



# ENTREPRENEURIAL EDUCATION

## Partnered Programming



# H2i-HENT 2023-24 Partnered Programming

Partner	Activity
<b>African Impact Initiative- AIC</b> <b>University of Toronto Scarborough (UTSC)</b> <b>Cross-Continent</b>	<b>2023 HENT Challenge 10 Ventures</b> <b>1. Access to mentorship</b> <b>2. Access to H2i additional resources (PSV, Accelerator, KOL, FemSTEMAfrica)</b>
<b>African Leadership University (ALU)</b> <b>Cross-Continent</b>	<b>Health Themed Accelerator 4 Sessions-Regulatory, Intellectual Property, Product(Supply Chain), Funding</b>
<b>African Medical and Research Foundation (AMREF)</b> <b>Kenya</b>	<b>Supporting launch of AMREF Entrepreneurship Academy 8 Ventures onboarded-awarded PSV</b>
<b>African Institute of Mathematical Sciences (AIMS)</b> <b>Rwanda</b>	<b>"Train the Trainer" Program collaborated with H2i in pairing students with HENT ventures - DATA specialist to grow venture.</b>
<b>Kwame Nkrumah University of Science and Technology (KNUST)</b> <b>Ghana</b>	<b>1. Train the Entrepreneur with on-going H2i mentoring</b> <b>2. MSc Health Entrepreneurship program- Program creation</b>
<b>Moi University</b> <b>Kenya</b>	<b>Hackathon &amp; Bootcamp 24 Attended, 8 ventures</b> <b>1. Collaborated with H2i to designing a program to educate, mentor students in entrepreneurship.</b> <b>2. Hackathon ; on going ventures mentored in H2i</b>
<b>Addis Ababa University (AAU)</b> <b>Ethiopia</b>	<b>1. H2i to co-fund a program (Educate &amp; mentor)</b> <b>2. Pitch competition</b>
<b>University of Cape Town (UCT)</b> <b>South Africa</b>	<b>Meetings to discuss collaborative social entrepreneurship programming</b>
<b>Social Entrepreneurship Ghana &amp; Sustineri Attorneys</b> <b>Cross-Continent</b>	<b>FemSTEM Africa Event Series &amp; FemSTEM Africa Pitch Competition</b>

# African Impact Challenge (HENT-AIC)

The **Health Entrepreneurship - African Impact Challenge** is run by the African Impact Initiative and The BRIDGE, with support from UofT accelerators H2i and ICUBE. It is supported by the Mastercard Foundation and the Africa Health Collaborative broadly.

HENT-AIC's year-long boot-camp training model concludes each summer with a 10-week visit to Toronto. H2i's 2023-24 year began with the privilege of co-hosting 12 remarkable members of the 2022 HENT-AIC Cohort. H2i delivered co-created programming including Hack & Huddles with Ideation Clinic and the Translational Research Program (TRP), an Accelerator on Intellectual Property, and a speaker session with the Ontario Bioscience Innovation Organization (OBIO).

In the fall, H2i was thrilled to begin supporting the 10 health ventures in the 2023 HENT-AIC Cohort for a year of programming and summer visit in Summer 2024.



# MOI University x H2i

In July 2023, in collaboration with H2i, MOI launched an Entrepreneurial program and Hackathon focused on educating students on Entrepreneurship and engaging them in a Hackathon, where ventures can work and refine their venture ideas, while receiving mentorship and onboarding into H2i.

H2i matched funding to run the program from July–December 2023 in two phases. In total, 28 entrepreneurs registered, 24 attended at least 1 of the 10 modules, and 9 were selected to move onto the Hackathon stage which took place in the first quarter of 2024.

H2i provides mentorship services and professional service vouchers (by application) to the ventures who finished the program. Currently 6 of these ventures have joined H2i and have access to the full scope of H2i's resources and programs.



# AIMS x UCT x H2i

In 2023, H2i worked with The African Institute for Mathematical Sciences (AIMS) and University of Cape Town (UCT) to co-create strategies surrounding Health Entrepreneurship programming.

H2i participated as a collaborator in two resulting initiatives:

- AIMS and H2i collaborated in a two-day workshop held in Kigali, Rwanda which welcomed 60+ industry experts to discuss how to train trainers in entrepreneurship. Training educators in entrepreneurship is crucial for equipping them with the skills and knowledge needed to guide students beyond traditional academic paths. AIMS identified that, to create an entrepreneurial ecosystem within its institute, it was essential to first educate the educators on the fundamentals of entrepreneurship. Further, H2i and AIMS have successfully merged data engineering students with ventures to accelerate their data need. This is a positive step in showcasing how scholars can get into entrepreneurship with their skillset.
- UCT and H2i collaborated in a four-day round of workshop meetings with seven groups. Before the workshop, specific information gathering sessions were held. There was an initial workshop day with multiple groups and then the different platforms were engaged through workshops and meetings with specific groups to design a prototype ecosystem that would be used to develop the UCT entrepreneurial space.



# ALU x ALX x Sand Tech x H2i

H2i, African Leadership University (ALU), ALX Africa and Sand Technologies are collaborating to provide themed Accelera sessions. The themed Accelera will focus on key topics such as Intellectual Property, Product (Supply Chain), Regulatory, and Marketing. These are key areas which HENT ventures have mentioned require more training and have also been identified as gaps by H2i and its HENT institutional partners.

With Sand Technologies, H2i will co-create programs that facilitate clinical field validation with Sand Technologies' network of clinical franchises, and build mentor networks supporting clinical deployment.

H2i is also providing collaborative mentorship for on-boarded ALU/ALX ventures, in addition to the full scope of resources available to H2i ventures.



# AMREF x H2i

In August 2023, in collaboration with H2i, AMREF launched **AMREF Academy** focused on educating students on Entrepreneurship. This is also an environment for existing ventures to incubate in both H2i and AMREF concurrently. There are 20 registrants in the first cohort, 8 of which, to-date, are incubating in H2i.

AMREF held a lecture in November 2023, which delivered entrepreneurial education to founders. H2i contributed to the lecture and provided information about what H2i can offer to ventures.

UofT and H2i provided participation support (presentations) at the pitch event on November 25th, 2023. The top three community companies were recognized and won 3 x \$3000 CAD in Professional Services Vouchers from H2i.



# KNUST x H2i

Kwame Nkrumah University of Science and Technology (KNUST) and H2i collaboratively identified two areas for co-creation of new programming to develop entrepreneurial training:



- **Train the Entrepreneur** will look at identifying ventures and training them with defined skills to run successful ventures. 36 ventures pitched in December 14-16, 2023, and the top 5 ventures were onboarded to H2i. H2i and KNUST reviewed the group in January 2024 and commenced mentorship delivery.
- **MSc. Health Entrepreneurship Program.** This is an integration of HENT and Health Ecosystem (HECO) activity and is a larger co-creation project with the Department of Laboratory Medicine and Pathobiology (LMP) at UofT. H2i assisted in recruiting experts from the UofT's Faculty of Public Health and UofT accelerators ICUBE, The BRIDGE and H2i, to create educational modules to offer to students who are interested in entrepreneurship within the medical space.





# ENTREPRENEURIAL EDUCATION

## Core Programming



Roundtable discussion groups led by an industry or academic facilitator on topics that are central to the issues and challenges faced by early-stage startups.

Accelera is for entrepreneurs to share their experience, knowledge, and challenges so that they may help each other navigate common problems, succeed, and grow.

Accelera is delivered via 3 concurrent streams, reflecting the needs of our client companies at different stages. All streams introduce tools and competencies for effective entrepreneurship.

### **ACCELERA 1: HACK & HUDDLES**

Interactive lectures available to H2i ventures and general public, facilitated by Joseph Ferenbok and The Ideation Clinic.

### **ACCELERA 2: CEO ROUNDTABLES**

Facilitated by Paul Santerre, for client companies in the Discovery phase (Level 2).

### **ACCELERA 3.0: CEO ROUNDTABLES**

Facilitated by Andris Lauris, Neil D’Cruz, David Latner and Fraidianie Sévigné, for client companies in the Venture & Scale phases (Levels 3 & 4).



# ACCELERA 2023-24

1.0

## **HEALTH INNOVATION HACK & HUDDLES & IDEATION WORKSHOPS / ACCELERA 1.0 • > 345 Attendees**

Introduction to Ideation | Prepare: Understanding the Landscape | Generating Testable Ideas in Artificial Intelligence | Identity: Poop Happens | Explore | Frame | Ideate | Translate | Apply | The Future of Artificial Intelligence/Machine Learning in Healthcare

2.0

## **ACCELERA 2.0 • 380 Attendees**

Legal | Company Formation, Building Your Team, Advisors and Team Evolution | Non-Dilutive Funding | Funding Stages Relative to Milestones (*Joint with Accelera 3.0*) | Time and Project Management | Prototyping and MVP Development | Making Connections, Building Collaborations, Talking to Customers | Technical Support, Product Development and Validation, MRS and Target Product Profiles (ISO 13485) | Regulatory Pathway: Focus on Budgeting and Timeline | Growing Your Venture: Level 2 to 3 Transitioning How to Reach Scaling (Business model); Managing Customers and Sales

3.0

## **ACCELERA 3.0 • 109 Attendees**

LSO/Regulatory | Legal | Sales and Branding | Ways to enter the U.S. Market | Funding: Equity and Non-Dilutive Funding | Funding Stages Relative to Milestones (*Joint with Accelera 2.0*) | HR/Employee Retention | PR, Engaging the New Community

2.0 /  
3.0

## **JOINT SESSIONS 2.0/3.0 • 58 Attendees**

Funding Stages Relative to Milestones

# KOL PRACTICE PITCHES

H2I PRESENTS:  
KEY  
OPINION  
LEADER  
PRACTICE PITCHES

The H2i mentor and KOL community is rich with expertise and dedicated to supporting growing ventures.

H2i hosts quarterly KOL sessions with a unifying theme where clients pitch to a panel of industry experts who validate problems and advise on opportunities and solutions, advancing the ventures towards their growth plan.

## Session Themes:

Diagnostics | Software |  
Medical Devices |  
Interventions | Financials

## NOVEMBER 2023 | INTERVENTIONS

**Companies:** Arterial • Synakis • Beeta Biomed • Inteligex • CHI Diagnostics • RePair Genomics

**KOLs:** David Sealey • Frank Shannon • Gabriella Chan • John McGraw • Dr. Joel Raskin

## DECEMBER 2023 | DEVICES

**Companies:** Vas MedTech\* • Hada Medical Technologies • COSM • BlueOcean Technologies • Alinnovate

**KOLs:** Harold Wodlinger • James M. Drake • Lahav Gil • Marc Lukacs • Patrick Clifford

## MARCH 2024 | SOFTWARE

**Companies:** • AL Vali • Smilepass • MedEssist • Mutuo Health

**KOLs:** Dennis Giokas • Kerri Austin • Luke J. Sheen • Nayanashri Thalanki Anantha

# INVESTMENT WORKSHOPS

In 2021, H2i set out to better understand what more could be done to help prepare ventures in earlier stages to be ready to obtain investment in later stages. This emerged from the recognition of the **critical need for accessible investment-focused programming** within the Toronto ecosystem.

That year, H2i held a series of four **focus groups** with ventures, Angel investors, VC investors, and investment lawyers, to discuss answers to six fundamental questions, which were directed towards defining new multi-year programming. The results from these sessions, alongside subsequent consultation with ventures and industry experts led to the publishing of H2i's **Investor Program White Paper** in 2023.

In 2023-24, H2i continued to address the needs outlined in the White Paper's findings, through three tailored investment workshops and an additional **five planned workshops** for the coming year. The new year kicked off in May 2024 with a workshop titled **Networking Towards Accessing US Capital**, which welcomed 98 participants to delve into diverse strategies and capabilities needed to navigate the investment landscape focused on the United States.

## INVESTMENT WORKSHOPS 2023-24

**110+ ATTENDEES**

**Non-Dilutive Funding Session**  
SEPT 2023

**Ontario Centre of Innovation:  
Funding Opportunities to  
Support Company Growth**  
NOV 2023

**Tax SR&ED Workshop**  
JAN 2024

# FEMSTEM AFRICA

Created in 2017, H2i's FemSTEM program looks to inspire, engage, and celebrate women entrepreneurs in the health space. Since its inception, FemSTEM has had a significant impact to women-led ventures in and outside the H2i ecosystem. **In the past two years alone, the proportion of women-led ventures in H2i has risen from 28% to 79%.**

In 2024, as part of the Africa Health Collaborative HENT Pillar, H2i joined with Social Enterprise Ghana and Sustineri Attorneys, in partnership with the Mastercard Foundation, to co-create the FemSTEM Africa event series.

Women entrepreneurs and all those interested were invited to attend the inaugural FemSTEM Africa event series and women-led ventures had the opportunity to apply to be a part of the culminating pitch competition, with a chance to win \$25,000 CAD in cash prizes and \$15,000 CAD in in-kind legal services.

## BY THE NUMBERS

**200** SERIES ATTENDEES

**5** PUBLIC EVENTS

**40k** IN AWARDS

In partnership with



## KICK-OFF & PANEL

APRIL 17, 2024

DR CHRISTELLE GIREANEZA



DR NIKITA MUTHUURI



SYLVIA NYAGA



ELSIE AMOAKO



ELIZABETH JOHNSON



ANNA AMPAW



## FIRESIDE TALKS

MAY 2024

LEAH NDUATI



GRACE ALMENDRAS  
-CASTILLO



MONICA KAHINDO



ADWOA BIRAGO  
NYANTAKYI



## PITCH COMPETITION

JUNE 19, 2024

In partnership with

# FUNDING OPPORTUNITIES



# PROFESSIONAL SERVICES VOUCHERS

H2i's annual **Professional Services Voucher** program provides much needed financial support to H2i community members. Client companies who regularly attend Accelera sessions can apply to receive a voucher worth up to \$3000 CAD to be used toward professional services that further accelerate venture and product growth. To date, we have provided **nearly \$270,000 CAD in non-dilutive funding** support through this program.

In 2023, H2i, in partnership with The Mastercard Foundation, established dedicated a Professional Service Voucher fund for HENT ventures from across Africa.

## BY THE NUMBERS 2023-24 H2i International:

**Calls: 2**  
**(Fall 2023, Spring 2024)**

**Applicants: 29**

**Companies Supported: 12**

**Total Financial Support  
Awarded: \$36,000 CAD**

In partnership with

Temerty  
Medicine



# FEMSTEM AFRICA

## PITCH COMPETITION

The **FemSTEM Africa Pitch Competition** was the culminating event of the inaugural FemSTEM Africa event series. The pitch competition, judged by a panel of industry experts, gives up-and-coming healthcare innovators the opportunity to present their idea to the public and the chance to win prizes totaling \$25,000 CAD in cash and \$15,000 CAD in in-kind legal services to scale their project.

The finalists, **A-Lite Uganda Ltd**, **Eudio Mobile**, **PlyChain**, **PUMZI Devices Uganda Ltd**, **Remedius Mobile Health** and **URUKUNDO Initiative**, were selected from a competitive pool of 24 applicants. Pitches were presented to the over 70 guests present and the panel of four esteemed expert judges: **Adwoa Birago Nyantakyi**, **Grace Almendras-Castillo**, **Leah Nduati** and **Monica Kahindo**.

In partnership with



### GRAND PRIZE:



**URUKUNDO  
INITIATIVE**  
Dr. Christelle  
Gireneza Uwantege

### RUNNERS UP:



**PLYCHAIN**  
Yewande Akinse



**PUMZI MEDICAL  
DEVICES**  
Maureen Etuket

# H2i-HENT COMMUNITY

# PARTNERS

**ANGEL GROUPS** • These groups have interest in health and life sciences and understand longer development cycles. Select H2i clients were introduced to interested angel groups.

Gifftid, Madiro

## VENTURE CAPITALISTS

Lahvil Gil

**HOSPITALS** • More hospitals became partners in activities and continued to actively engage with H2i clients at company levels through practice pitches and project support.

Uganda Heart Institute, Nyaho Medical Center

**COMMUNITY PARTNERS** • More community partners engaged with H2i this year through our mentors and executive team.

African Leadership University, Ashesi University, AIMS Ghana, Addis Ababa University, Moi University, University of Cape Town, KNUST, AMREF Health Africa, University of Toronto Office of the Vice President International, The BRIDGE, ICUBE, University of Toronto Entrepreneurship, Alx, Social Enterprise Ghana, African Impact Initiative

**INDUSTRY PARTNERS** • Mentoring talent and discussing in-kind contributions for helping develop legal, regulatory and go to market strategies.

Sustineri Attorneys, The Mastercard Foundation, The Mastercard Foundation Scholars Program, Nyaho Foundation

# DEFINING PROGRESS

## LEVEL 1: EDUCATION

Focused on ideating and concept and team building, support is provided through general entrepreneurial education.

## LEVEL 2: DISCOVERY

Working to develop a MVP and secure IP, and build their vision for the growth of the business, these clients are supported by Accelerera 2.0 programming and tailored mentorship. They are proficient in at least 2 of H2i's 10 element program.

## LEVEL 3: VENTURE

With a team and IP in place, these clients are beginning to raise funds and are supported by investor access and Accelerera 3.0 programming. They are proficient in at least 5 of H2i's 10 element program.

## LEVEL 4: SCALE

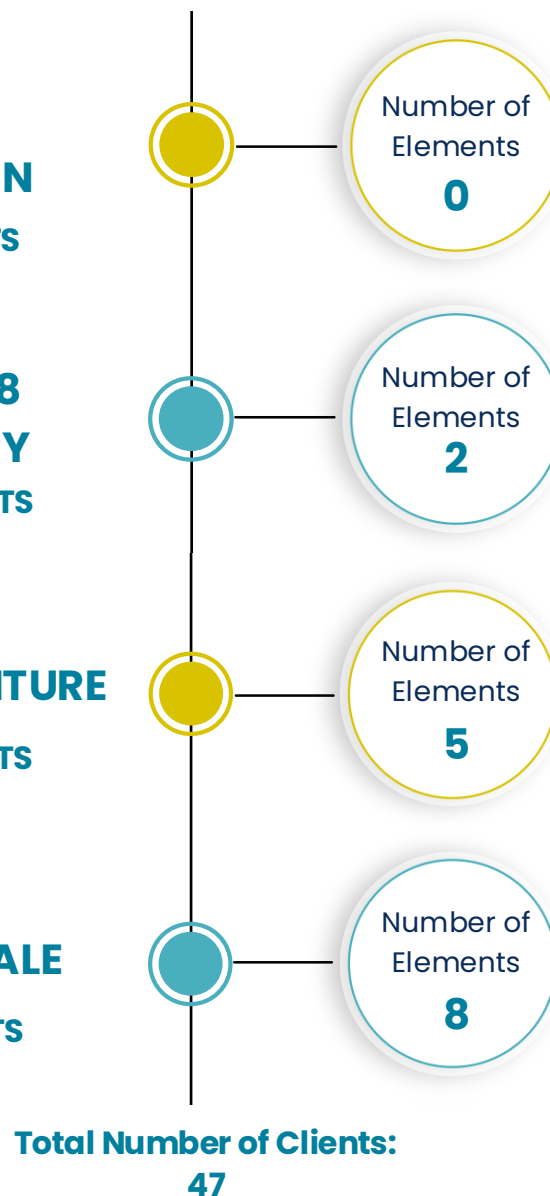
Rapidly scaling and generating significant revenue, these clients continue to grow with H2i's support and return to support H2i's earlier-stage companies in turn. They are proficient in at least 8 of H2i's 10 element program.

**LEVEL 1:  
EDUCATION**  
0% OF CLIENTS

**LEVEL 2: 38  
DISCOVERY**  
80% OF CLIENTS

**LEVEL 3: 9 VENTURE**  
20% OF CLIENTS

**LEVEL 4: SCALE**  
0% OF CLIENTS



# CLIENTS 2023-24

## LEVEL 2

### DISCOVERY

**Agnosys Health Inc.**  
**A-Lite Vein Locator**  
**ATradezone**  
**AUTO EASE WHEELCAHIR**  
**Bare Mind Holdings**  
**BuriCare Limited**  
**Catean Cyclecare Solutions Ltd**  
**ChuChu SoftiesCompassion Care**  
**Network for the Elderly**  
**DIGI-EMR**  
**DoctorsLive**  
**DR. GURU BOT**  
**EcoHealthAlerts**  
**Empower HER Initiative**  
**Eudio Mobile Technologies**  
**Food Bundles**  
**GIC Space**  
**Haven Care**

**HealthEdu Ltd**  
**HOPTICS**  
**HOTSPOT AERIAL SOLUTIONS**  
**ISHARA**  
**iWell Bio Tracker**  
**LEMOLOK NURSING HOME(LNH)**  
**Lime**  
**Medical Street International**  
**Medilyne**  
**Minds At Rest**  
**PRO-ACTIVE PROGRESS**  
**Remedius Mobile Health**  
**Shamba Data**  
**Snark Health**  
**Syna Consultancy Ltd**  
**Telemedan**  
**The Polar**  
**The X Generation Youth Group**  
**Vectorgram Health**  
**Whisper Health**

## LEVEL 3

### VENTURE

**Lima Technologies**  
**MedPack Tanzania Limited**  
**Moto**  
**Powerstove Energy**  
**Rocket Health Africa\***  
**SnooCODERED**  
**URUKUNDO Initiative**  
**Vas MedTech**



# COMMUNITY IMPACT 2023-24

# VENTURE IMPACT

Venture	Founders	Achievement	H2i Support
<b>A-Lite Uganda</b>	Emmanuel Kamuhire, Solomon Oshabaheebwa, Paul Gusimba, Lydia Asimwe, Dr. Julius Mubiru, Dr. Brian Ssenkumba	Completed clinical validation study with over 200 patients. Completed design freeze and is working on regulatory filing. Generated over 100k in non-dilutive funding	Accelera; one-on-one mentorship; Professional Services Voucher; FemSTEM; FemSTEM Finalist; HENT-AIC Cohort; H2i x HENT AIC Summer Workshop Series
<b>HealthEdu Ltd.</b>	Agnes Kubwimana	Trained 11000+ health professionals; 20 hospital trained for digital literacy in rural areas; 169 community health workers trained; 69 community health workers equipped with smart phones; 3000+ patients used testing tele-rehabilitation exercises through Inclusion App	Accelera; one-on-one mentorship; CDL Pre-Application Workshop; AIMS x H2i Intern; FemSTEM; HENT-AIC Cohort; H2i x HENT AIC Summer Workshop Series
<b>MedPack</b>	Henry Mathayo Johnson Daniel Esta Kalinga	\$10K grant from USAID & YALI; partnerships with Dawa Mkononi, Warioba Pharmacy, GoodPharma & Meducus Pharmacy Ltd.; Top 5 for Digital Health at Tanzania Digital Awards 2023; scaling up to national level with 500+ vendors on the platform	Accelera; one-on-one mentorship; HENT-AIC Cohort; H2i x HENT AIC Summer Workshop Series
<b>Powerstove</b>	Okey Esse	Raised >\$1M; reorganized manufacturing; 6 digit MRR; transitioned to H2i Level 3	One-on-one mentoring; introduction to investors; HENT-AIC Cohort



# VENTURE IMPACT

Venture	Founders	Achievement	H2i Support
<b>SnooCODE RED</b>	Sesinam Dagadu	Company presented AI-integrated emergency triage solution at the All4Health Workshop, IEEE International Conference on Healthcare Informatics 2024. Also made it to the semi-finals of the 2024 MIT Solve Global Health Equity Challenge.	One-on-one mentoring; HENT-AIC Cohort
<b>URUKUNDO Initiative</b>	Dr. Christelle Giraneza, Mick Ndayishimiye, Frederick Ntabana; Honore Isimbi	FemSTEM panelist; FemSTEM Pitch Competition Grand Prize Winner	Accelera; one-on-one mentorship; AIMS x H2i Intern; FemSTEM; HENT-AIC Cohort; H2i x HENT AIC Summer Workshop Series
<b>Vas MedTech</b>	Edmund Wessels, Christopher Meunier	Completed ALPHA model, key partnerships (private healthcare facility, ISO 13458 manufacturer); two completed Human Factors Studies; FlexiGyn is ready for industrialization	One-on-one mentoring met with manufacturing and investment mentors. Participated in investment workshop, KOL Practice Pitch and Accelera sessions, AIC summer 2024 cohort in Toronto.

# FUTURE ROADMAP 2024-25

# H2i CORE PROGRAMMING 2024-2025

Program/Event	Date	Program/Event	Date
CDL Pre-Application Mentorship Program	June 2024	Pitch Perfect 2024	November 2024
Mentor Appreciation Night	June 2024	FemSTEM 2025 Kickoff & Firesides at FemSTEM	January - March 2025
African Impact Challenge Summer Delegation Visit	June-August 2024	Ideation Clinic Challenge Launch	January 2025
Community Appreciation Night & Fall Kick Off	September 2024	Investment Workshop Tax SR&ED Session	January 2025
Investment Workshop Non-Dilutive Funding	September 2024	Investment Workshop Trade Commissioner Services	January 2025
Investment Workshop Ontario Centre of Innovation (OCI) Session	October 2024	Mental Health Awareness for Entrepreneurs	March 2025
Medicine by Design Building a Biotech Venture Program Starts	October 2024	FemSTEM 2025 Pitch Competition	March 2025
Investment Workshop Legal Workshop	November 2024	Investment Workshop Accessing US Capital Session	April 2025

# H2i CORE PROGRAMMING 2024-2025

Program/Event	Date
<b>Ideation Clinic Health Innovation Huddles (Accelera 1.0)</b>	May - April
<b>Accelera 2.0 &amp; Accelera 3.0</b>	September - July (2.0 - monthly; 3.0 - four times a year)
<b>Themed Accelera</b>	May - April (twice yearly)
<b>KOL Practice Pitch</b>	May - April (quarterly)
<b>Ideation Clinic Workshop Series</b>	January - June
<b>Professional Voucher Services</b>	Domestic - Spring; International - Fall & Spring
<b>One-on-One Mentorship</b>	As often as the client needs! (average 10 client meetings/week)

**>140 scheduled events from May 2024 - April 2025**

# H2i INTERNATIONAL 2024-25 PROGRAMMING FORECAST

Partner	Activity
<p><b>African Impact Challenge - AIC</b>  <b>University of Toronto Scarborough (UTSC)</b></p>	<p><b>2024 HENT-African Impact Challenge</b>                      1. Access to mentorship                      2. Access to H2i additional resources (PSV, Accelera, KOL, FemSTEM Africa)</p>
<p><b>African Leadership University (ALU)</b>  <b>Cross-Continent</b></p>	<p><b>Health Themed Accelera 4 Sessions-Regulatory, Intellectual Property, Product(Supply Chain), Funding</b>                      14 November visit topics: Alu partnership with H2i for FemSTEM Africa 2025, Mastercard consortium Accelera program with Alx, programs on early transition of ventures to start ups while still in University, Alx and Sandtech/leveraging it for ventures in Africa, incubated ventures in H2i x ALU                      ALU to be co-sponsor for FemSTEM 2025</p>
<p><b>African Medical and Research Foundation (AMREF)</b>  <b>Kenya</b></p>	<p><b>Supporting launch of AMREF Entrepreneurship Academy</b>                      Continued venture support (8) ventures                      Start discussions on a collaborative program in partnership with the Academy and H2i</p>
<p><b>African Institute of Mathematical Sciences (AIMS)</b>  <b>Rwanda</b></p>	<p><b>"Train the Trainer." Program to be defined in preparation for when Mastercard Funding is started in Fall 2024.</b>                      H2I-HENT ventures + DATA Engineer (AIMS). Placement of 4 AIMS alumni interns in H2i ventures.</p>
<p><b>Ashesi</b>  <b>Ghana</b></p>	<p><b>Health Innovation Hub</b>                      H2i (Paul Santerre) on the advisory board. To advise Ashesi on the creation and implementation of the hub.</p>

# H2i INTERNATIONAL 2024-25 PROGRAMMING FORECAST

Partner	Activity
<p><b>Addis Ababa University (AAU)</b> Ehtiopia</p>	<p>1. H2i to co-fund a program (Educate &amp; mentor) 2. Pitch competition 3. Recruit three ventures</p>
<p><b>Kwame Nkrumah University of Science and Technology (KNUST)</b> Ghana</p>	<p>1. Train the Entrepreneur with on-going H2i mentoring 2. MSc Health Entrepreneurship program-ongoing 3. Cohort-Pitch Competition late Fall 2024</p>
<p><b>Moi University</b> Kenya</p>	<p><b>Strategic Direction Work on MOI strategy (botanical garden, accelerator creation)</b> Co-incubation with H2i with ventures</p>
<p><b>University of Cape Town (UCT)</b> South Africa</p>	<p><b>Programs for social entrepreneurship initiatives engage in talks with Solange Rosa and other UCT team members</b> Travel planning meeting to Cape Town</p>
<p><b>FemSTEM</b> Cross-Continent</p>	<p><b>FemSTEM Africa rotating program with Health Collaborative</b> April to June 2025 <b>Kickoff Panel</b> <b>Three Fireside Chats</b> <b>Pitch Competition</b></p>



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Research & Health Science Education  
University of Toronto  
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