

Hamilton Health Innovation Check-up: Meeting Minutes

September 25, 2017

STANDING AGENDA TOPICS:

- **Communicate:** share recent successes, upcoming events, innovation pipeline and new products, health innovation trends, etc.
- **Collaborate:** welcome new members to community, partnership opportunities, discover programming and resources available to the community, etc.
- **Accelerate:** discuss market gaps and challenges, learn about potential funding opportunities, discuss new RFPs issued, etc.
- **Other Business**

Facilitator & Note Taker Alex Muggah, Synapse Consortium

Location: McMaster Innovation Park, 8:45-10:00am

Please note that minutes for our monthly check-up meetings are not published and are for reference purposes only. We do our best to ensure all information is accurately portrayed, and that no privileged/private information is inappropriately disclosed.

For additional information on any subject, to contact a presenter directly, or should you have an adjustment to make to the notes made here, please contact: Alex.Muggah@SynapseConsortium.com. Updates will be reflected in a new section titled "Amendments from Previous Meeting".

Next Monthly Check-up: October 30th, 8:45 – 10:00am

Please contact Alex Muggah at Synapse to be added to the meeting invite list / minutes distribution lists

Time allotted | 20 Minutes

Topic: **Communicate**

Discussion	Presenter
<p>QReserve (https://www.qreserve.com/) provided an update on their recent successes, including working with Sick Kids (Toronto), McMaster University and Hamilton Health Sciences (HHS). As of today, their resource management platform is supporting over 10,000 resources in institutions around the world.</p> <p>Also working in support of the DeGroot Innovation Initiative at McMaster University, to help with IT prototyping to assist in the running of large research studies. This effort will support commercialization of academic assets, including how to best to build and access databases for research data across various areas (e.g., rare blood disorders).</p> <p>Engaged in providing support to a cannabis research centre, to assist an Ontario-wide study on the medical effects of marijuana.</p>	<p>Brandon Aubie (QReserve)</p>
<p>MILO noted it had done an assessment of eight (8) life sciences companies coming out of McMaster University. Two (2) of them have recently generated \$80+ million in series A/B investment (i.e., Turnstone Biologicals raised \$41m in Series B, Fusion Pharmaceuticals raised \$41m in oversubscribed Series A), while a further 3 or 4 are at the seed investment stage. MILO is seeing an uptick in venture capital firm interest in Hamilton, and are engaging VC firms to help identify local opportunities, as well as working closely with OCE.</p> <p>The Fraunhofer BEAM (Biological Engineering and Advanced Manufacturing) facility is set to open at McMaster Innovation Park early next year. Directors are still considering the full scope of projects that may be set up there.</p>	<p>Jae-ho Yoo (McMaster Industry Liaison Office, MILO)</p>
<p>Several Hamilton organizations will be participating in the upcoming Health Achieve Intelligent Pavilion conference (http://www.healthachieve.com/) on November 6-7, including:</p> <ul style="list-style-type: none"> • Closing the Gap Between Hospital and Home with Technology <ul style="list-style-type: none"> ○ Ted Scott (HHS), Gordon Alexander (IBM Innovation Exchange), Patty Ryan (Health QR) ○ Session details: here • Connecting the Empowered Patient and Addressing our \$4 Billion Adherence Problem <ul style="list-style-type: none"> ○ Patty Ryan (Health QR) ○ Session details: here 	<p>Alex Muggah (Synapse)</p>

Discussion	Presenter
<ul style="list-style-type: none"> • Importance of Integrating Mobile Technology with Health Care Applications in a Home Setting <ul style="list-style-type: none"> ○ Gordon Alexander (IBM Innovation Exchange) ○ Session details: here 	
<p>McMaster’s Industry Liaison Office (MILO) has asked Illumina (https://www.illumina.com) to come to Hamilton on November 9th to supplement an event being held in Toronto the next day.</p> <p>While in Hamilton, Illumina will be engaging the community in two ways. The first will be a presentation in which Illumina will provide an overview of their company, platform, their work on accelerating commercialization, and a few McMaster speakers who will be discussing their research. Attention will be provided to Illumina Accelerator (https://www.illumina.com/science/accelerator.html), based in San Francisco, which provides 6 months of accelerator space for companies working on genetics. This will be followed by select 1-on-1 meetings to speak with researchers about potential business partnerships.</p> <p>MILO hopes that by bringing Illumina to Hamilton, they will provide further insights to researchers seeking to facilitate grants, resolve funding gap, and the identification of potential industrial partners. The Illumina platform is currently deployed in two locations at McMaster: FarnCombe Institute (http://farncombe.mcmaster.ca/metagenomics-facility/) and the David Braley Health Sciences Centre which has genomics sequencing facilities.</p> <p>Additional information about the Illumina Immuno-Oncology Seminar in Toronto on Nov 10th can be found here: https://www.illumina.com/events/seminars/2017/illumina-immuno-oncology-seminar--toronto.html</p>	<p>Jae-ho Yoo (McMaster Industry Liaison Office)</p>
<p>OCE expects to be able to provide an update on the Health Technology Fund (HTF) competition in the next month or so as they are still working through applications, of which 3 are Hamilton-based companies.</p> <p>For more on the Health Technology Fund, see here: http://oce-ontario.org/programs/commercialization-programs/health-technologies-fund</p>	<p>Nicole De Long (OCE, Life Science Business Development Manager)</p>
<p>McMaster Health Leadership Academy (HLA), a joint venture between business, engineering and health faculty, provided an update on some of the programming they are offering, including:</p> <ul style="list-style-type: none"> • Emerging Health Leaders course: a 2-week intensive course, bringing together industry leaders and students to expose them to trends and challenges facing the industry and innovative ways tackle them. HLA is seeking to drive community participation and engagement, whether 	<p>Amanda Calzolaio (Manager, HLA)</p>

Discussion	Presenter
<p>through in-person mentorship or financial support to enable students to attend without undue financial hardship</p> <ul style="list-style-type: none"> • Innovation by Design course: in collaboration with IBM, HLA has identified 6 partners in the community who are working closely with groups of students on a variety of joint initiatives • Developing a Design Competition, focused on health. Hoping to have the competition get off the ground in January (stay tuned) <p>For more information about HLA, see: http://healthleadershipacademy.ca/</p>	
<p>Stryker Canada announced that it will be building a new state-of-the-art headquarters in Hamilton, on Highway 6, just north of it's current location. The headquarters is expected to be completed in January 2018.</p>	<p>Alex Muggah (Synapse)</p>
<p>Hamilton-based Fusion Pharmaceuticals, a clinical-stage biopharmaceutical company developing targeted alpha-particle radiotherapeutics for treating cancer (which spun out of the Centre for Probe Discovery and Commercialization, CPDC), announced it has completed a second closing of its Series A financing, securing an additional \$21 million USD in capital bringing the total capital raised to \$46 million USD.</p> <p>For more information see: http://fusionpharma.com/fusion-pharmaceuticals-completes-oversubscribed-series-a-financing-totaling-46-million-usd-to-develop-targeted-alpha-therapeutics/</p>	<p>Alex Muggah (Synapse)</p>
<p>Synapse and HHS / IBM Innovation Exchange are happy to announce that November 22nd will be the date for the next Innovation Open Mic. The event will be hosted by Mohawk College and will offer an opportunity for a select group of innovators and entrepreneurs to showcase their work to the community. Applications to present will be made available shortly.</p> <p>This event seeks to build on the success of the first Innovation Open Mic event head a the IBM Innovation Exchange in April.</p>	<p>Alex Muggah (Synapse)</p>

Time allotted | 20 Minutes

Topic: **Collaborate**

Discussion	Presenter
<p>Jim Wilson noted the importance of increasing the attention to what’s going on in Hamilton, and shared his experience of the recent Kitchener Innovation Summit which showcases capabilities and assets of community (e.g., bus tours, lectures, panels, exposure to new technologies).</p> <p>He is interested in exploring opportunity to host a Life Science Symposium in Hamilton to help build the community. “Aging in place” was suggested as a potential theme, building on expertise in Hamilton around hospital-to-home care. May be an opportunity to raise exposure and money for the community (e.g., leveraging HHS Foundation) so more opportunities come to Hamilton.</p> <p>Those interested in blue-sky discussion about a Symposium should reach out to Jim Wilson.</p>	<p>Jim Wilson (CBRE, Life Science Practice Group)</p>
<p>QReserve noted that the upcoming adoption of St. Joseph’s new EMR (EPIC) is demonstrating an interesting innovation around managing patient data. The new EMR is incorporating a means to track patients who are interested in doing follow-up research, allowing an opportunity to more easily track and outreach patients based on profiles linked to data within the EMR. QReserve is currently exploring ways to bring this innovative approach to McMaster Children’s hospital and other clients with whom they work.</p>	<p>Brandon Aubie (QReserve)</p>
<p>MILO noted their ongoing work with the McMaster DeGroote Healthcare Innovation Initiative, which is seeking to support efforts and initiatives to encourage entrepreneurship, with a focus on McMaster students.</p> <p>MILO helped run a design workshop in August to get feedback from graduate students and researchers to see how McMaster can better promote and encourage entrepreneurship. As well, MILO is assisting with content and background on how assets are commercialization</p>	<p>Jae-ho Yoo (McMaster Industry Liaison Office, MILO)</p>
<p>McMaster recently opened the Digital Transformation Research Centre (MDTRC) which engages in cutting-edge multidisciplinary research aimed at better understanding how the digital revolution is impacting individuals and transforming organizations and society at large.</p> <p>MDTRC works with public and private institutions to better understand the social, physical, neurological effects of interacting with technology, to assist with user design and interfacing.</p>	<p>Alex Muggah (Synapse)</p>

Time allotted | 20 Minutes

Topic: **Accelerate**

Discussion	Presenter
<p>Quick update provided by Synapse regarding the Hamilton communities' collaboration with Southlake Hospital's Health Ecosphere program. The program partners private sector companies with healthcare providers (e.g. hospital) to work on collaborative projects to support the commercialization and adoption of health technology innovation.</p> <p>6 Hamilton-based companies are working closely with Hamilton Health Sciences and St. Joseph's Healthcare to run projects in support of their commercialization efforts. These projects will be run through the end of September 2018, and will leverage FedDev matching funding to accelerate the completion of the project.</p> <p>For further information about the program please reach out to Alex Muggah at Synapse</p>	Alex Muggah (Synapse)
<p>Azimuth, an Ontario Health Innovation Broker, has recently launched 3iOntario which aggregates and tracks opportunities available to Ontario innovators and innovation champions, as well as recently published information and thinking related to health innovation.</p> <p>The focus of 3iOntario is on health technology, including digital health solutions, innovative medical devices, and more. It is also possible to follow @3iOntario on Twitter or subscribe to their email digest for regular updates</p>	Alex Muggah (Synapse)

Hamilton Health Innovation: Calendar Highlights

October

- October 3: Health Leadership Across Health Industry (hosted by HLA)
 - Several speakers moderated by Dr. Rick Hackett discussing Health Leadership across the Health System.
- October 14: DeGrootte Interprofessional Health Leadership Conference (hosted by HLA)
 - An innovative collaboration between the MBA and MD programs at McMaster University.
- October 17: HALTECH Futures Summit (hosted by Haltech)
 - 2nd annual [Innovation Summit](#) event looking at how smart, innovative technology solutions are transforming the delivery of healthcare services from the hospital ER to the clinic
- October 22: [Innovation Nation](#) 2017 (hosted by CSii)
 - Conference feature inspirational talks by outstanding innovators in technology, healthcare, and economic pursuits, as well as a showcase displaying diverse, innovative science/tech.
- October 24: iF Lunch 'n Learn – JLABS (hosted by Innovation Factory)
 - Breanne Halyk and Karen Simonetti from JLABS will be here to talk about JLABS industry/startup partnerships, and their innovative accelerators across the globe at the October [Innovation Factory Lunch 'n Learn](#)
- October 26: Great Big Ideas: Health Fact or Fiction (hosted by HHS)
 - Second annual [Great Big Ideas](#) event featuring Prof. Timothy Caulfield, who debunks myths and assumptions around health-related science and helps people determine what to believe and what not to believe when it comes to the latest trends.

November

- November 6 - 7: Health Achieve 2017 (<http://www.healthachieve.com/>)
 - Meet the best and brightest minds including CEOs, trustees, administrators and clinicians at one of the most significant networking event in Canadian health care
- November 6: Connect and Network (hosted by HLA)
 - DeGrootte alumni and current students in the health industry are cordially invited to join us at a special networking reception.
- November 9th: Illumina Showcase Presentation, Hamilton (hosted by [MILO](#))
- November 10th: [Illumina Immuno-Oncology Seminar](#), Toronto
- November 22nd: Innovation Open Mic @ Mohawk College (presented by Synapse & HHS)
 - Come hear stories about the leading edge of health innovation and collaboration at the 2nd Innovation Open Mic, hosted by Mohawk College

December

- December 5: Interdisciplinary Projects in Medicine with Dr. Robert Whyte (hosted by HLA)