

## Hamilton Health Innovation Check-up: Meeting Minutes

November 27<sup>th</sup>, 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:** as required

Facilitator & Note Taker            Alex Muggah, Synapse Consortium

Location                                    McMaster Innovation Park, 175 Longwood Dr, 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.

Past meeting minutes can be access through a public Dropbox, using the following link:  
<https://www.dropbox.com/sh/wszh8i2jq1sr03g/AACByBs-HmHVBI0ZIX5Hj7zEa?dl=0>

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](mailto:Alex.Muggah@SynapseConsortium.com). Updates will be reflected in a new section titled "Amendments from Previous Meeting".

**Next Monthly Check-up: December 18<sup>th</sup> | 8:45 – 10:00am | McMaster Innovation Park**

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

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Time allotted | 20 Minutes

Topic: **Communicate**

Recent successes, upcoming events, innovation pipeline, new products, health innovation trends, etc.

Discussion	Presenter
<p>The <a href="#">Synapse Life Sciences Competition</a> application period will close on December 1 for companies from across Canada. The competition supports life science ideas and products to move from the lab into the market, by pairing innovators with business and entrepreneurship students. Teams compete for more than \$50,000 in prizes.</p> <p>The competition is still looking for additional students, who will be matched with innovators to support them in developing their business case and pitch presentation.</p> <p>For more information about the competition, please contact Elizabeth Thorson (<a href="mailto:elizabeth.thorsen@innovationfactory.ca">elizabeth.thorsen@innovationfactory.ca</a>)</p>	<p>Karen Linseman-Brown (Innovation Factory)</p>
<p>Dec 1: <a href="#">Annual Life Science Policy Forum</a>: full day hearing from different speakers including representative from each of the three main provincial parties will come to speak to, and hear from, the voice of the life science industry</p> <p>Additional information on events can be found at the <a href="#">LSO website</a></p>	<p>Chris Aleong (LSO)</p>
<p>All those interested in starting a business in the Hamilton region should feel free to reach out and join the <a href="#">Innovation Factory distribution list</a>.</p> <p>Through workshops, programming, 1-on-1 mentoring and aiding with access to funding, Innovation Factory helps startups commercialize their ideas and small/medium enterprises innovate within their organizations.</p>	<p>Karen Linseman-Brown (Innovation Factory)</p>
<p><a href="#">McMaster AI Workshop</a> is being held on Wednesday November 2017.</p> <p>Full day workshop seeking to explore various topics related to AI, with a focus on AI innovation in Healthcare and advanced manufacturing. The full agenda can be found <a href="#">here</a></p> <p>Please reach out to Sarah Lynne Anstett (<a href="mailto:anstets@mcmaster.ca">anstets@mcmaster.ca</a>) for further information about late registration</p>	<p>Alex Muggah (Synapse)</p>
<p>SMArTVIEW Project Showcase, November 29 @1:30pm</p> <p>The Office of the Chief Health Innovation Strategist (OCHIS), Ontario Centres of Excellence (OCE), the Ministry of Health and Long-Term Care and the SMArTVIEW team have received a grant for the Health Technologies Fund for</p>	<p>Alex Muggah (Synapse)</p>

Discussion	Presenter
<p>the project entitled: “The SMARVIEW, CoVeRed” that will run at Hamilton General Hospital. Program includes site visit at PHRI in the Auditorium, with a short demo with remarks and a Q&amp;A.</p> <p>Please RSVP to <a href="mailto:smartview@phri.ca">smartview@phri.ca</a> to attend</p>	
<p>Health Ecosphere: Innovative Speed Geeking, January 23</p> <p>This event will allow participants to experience the creative ideas, products and technologies being showcased by partners of the Health Ecosphere Innovation Pipeline. Health Ecosphere is looking to create new B2B connections/market opportunities for participating companies and technologies and to showcase the ground-breaking work being supported through the Health Ecosphere collaboration.</p> <p>Sponsored by York University, Southlake Regional Health Centre, University Health Network and TELUS, to showcase the innovative projects being developed with the support of the Health Ecosphere Innovation Pipeline Project.</p> <p>You can RSVP for this event by December 24th via <a href="#">EventBrite</a></p>	<p>Alex Muggah (Synapse)</p>
<p><a href="#">PHRI</a> provided an update about their innovative randomization and drug logistics system. The Research Operation Management Enterprise (ROME) helps PHRI run clinical trial and research studies, and represents the culmination of +10 years of development (prior system was very manual intensive, including phoning/faxing in request).</p> <p>ROME can support small trials in executing the logistics of clinical trials, and can enable the trial to be stood up in months instead of years, leveraging the knowledge and best practices of PHRI investigators and hundreds of clinical trials.</p> <p>ROME is now used internally for all studies (40-50 studies, across 40 investigators) and allows for the integration of ordering and randomization systems across multiple sites. Using a customized interface, ROME can allow investigators to manage: sponsors (e.g., blinding and unblinding studies), study teams (e.g., project coordination, initiate centres, training processes, turn on randomization, turn on drug system), multiple country depots (e.g., expected number of patients, scheduling packaging runs, initiate manufacturers to deploy kits, drug approval / release, batches), and distribution from depot (e.g., recruitment plan, visit schedule, resupply, drug management). Though it does not physically pack and ship drugs.</p> <p>While drug logistics are often done by CROs, it can be very expensive to run a clinical trial. ROME has been used by pharma companies to provide this</p>	<p>Les Farago (PHRI)</p>

Discussion	Presenter
<p>service. For example, recently completed a study in India with 1 million people.</p> <p>Given proximity of CRLB (Canada’s largest biobank located at the Hamilton General Hospital), ROME has developed software to support a lab component, allowing for connections with lab-kit preparation centres.</p> <p>Those interested in learning more about ROME should reach out to Les Farago (<a href="mailto:leslie.farago@phri.ca">leslie.farago@phri.ca</a>)</p>	
<p>Les Farago (PHRI) reminded group that the <a href="#">Ontario Bariatric Network</a> referral system was designed and created by PHRI, along with Dr. Anvari (St. Joseph’s) – with the registry now managing all referrals from family physicians for bariatric surgery from across Ontario.</p> <p>Using a web portal (rather than faxes or paper), the OBN coordinates all referrals from the 8 centres performing bariatric surgery. The registry assigns them to a centre, and then manages the patient over their lifetime, tracking from first point the patient enters the system until the are discharged, even if transferred across multiple centres. Can also track through follow-up, though outcomes are tracked by DataFax. Can provide an improved sense of wait times.</p> <p>To learn more about the OBN registry, please reach out to Les Farago (<a href="mailto:leslie.farago@phri.ca">leslie.farago@phri.ca</a>)</p>	Les Farago (PHRI)
<p>sKan wins James Dyson Award</p> <p>Team of engineering graduates from McMaster University beat out more than 1,000 other ideas from around the world to win the James Dyson Award for design engineering, worth \$40,000 US. Their innovation is a device called The sKan, an early prototype of a cheap, handheld scanner that could one day help doctors diagnose skin cancer painlessly in their offices.</p>	Alex Muggah (Synapse)
<p>McMaster continues to lead in university rankings, recently recognized as Canada's most research-intensive university in the 2017 Research Infosource rankings with a total research income of \$354.6M in 2016.</p> <p>For more information, <a href="#">follow this link.</a></p>	Carolynn Reid (City of Hamilton)

Time allotted | 20 Minutes

Topic: **Collaborate**

Partnership opportunities, programming and resources available to the community, etc.

Discussion	Presenter
<p>Introduction by Niall of Infonaut, a company focus on infectious diseases in hospitals. Supports European companies seeking to access the North American market. Part of US entry strategy they often need North American validation studies (including ROI), so that US hospitals can see that validation happens in “their own backyard”.</p> <p>Focus is on three validating factors: promise of better clinical outcome; ROI to supplant immediate solution (3 years being the standard threshold); clinical preference – demonstrate that staff prefer the solution. These are the categories we try to evaluate. Which can then presented and evaluated by value-added assessment committee.</p> <p>Currently working with a European company that specializes in infection free bedding / mattresses, which is looking to set up manufacturing production site in North America. Hamilton is short-listed as a preferred location; the criteria is to follow an initial client, as a reference site. In discussion with HHS and GERVAS Institute to explore validation studies out of Hamilton.</p>	<p>Niall Wallace (Infonaut)</p>
<p>PHRI is making some of its data infrastructure available, and is willing to work with local companies seeking hosting services. They have a SQL Server cluster and have been audited federally by Health Canada, EMA, and FDA.</p> <p>Whole framework of operational support to help investigators to do their job, including audit support (e.g., presenting auditor will all documentation on behalf of the investigators), ROME support, and a biostatistics department that can provide support.</p> <p>Reach out to Dan Trottier (PHRI) to learn more</p>	<p>Les Farago (PHRI)</p>
<p>Exporting to the EU? December 13<sup>th</sup> event hosted by Province of Ontario and the City of Hamilton on export seminar for companies who have some experience exporting and are looking to enter the European Market.</p> <p>This seminar will provide you with important details around CETA and has engaged speakers who will provide further information on the following subjects:</p>	

Discussion	Presenter
<ul style="list-style-type: none"> <li>• Comprehensive Economic and Trade Agreement (CETA) architecture and structure</li> <li>• Certification/protocol of conformity assessment (product testing for E.U. market)</li> <li>• Supply chain management/logistics, distribution and sales channels</li> <li>• E.U. Customs/E.U. Customs duties and import quotas</li> <li>• Tax considerations / VAT application</li> <li>• Getting paid and foreign exchange risk management</li> <li>• Success stories</li> </ul> <p>Lunch and refreshments will be provided.</p> <p>Register (by Dec 4) or send questions to Krystyn Sobolewski at <a href="mailto:Krystyn.Sobolewski@ontario.ca">Krystyn.Sobolewski@ontario.ca</a></p>	
<p>D'Youville College (in Buffalo, NY) is putting out a <a href="#">call for abstracts</a> related to participate in its National Public Health Week</p> <p>Abstracts should be no more than 250 words, and are for presenters who are conducting ongoing or have recently completed research, or who are engaged in innovative public health programs, interventions, services or projects.</p> <p>Located in Buffalo, D'Youville College is a small/medium-sized college with a strong Public Health Department and this could be a useful means to gain some initial visibility and connections into the United States. As well, there are likely a number of public health/population health innovations that may be appropriate and of interest to researchers in the US.</p>	<p>Niall Wallace (Infonaut)</p>

Time allotted | 20 Minutes

Topic: **Accelerate**

Market gaps and challenges, learn about potential funding opportunities, discuss new RFPs issued, etc.

Discussion	Presenter
<p><a href="#">Forge Student Startup Competition</a> application period opens up January 7<sup>th</sup></p> <p>The Forge@Mac Student Startup Competition will take place on March 22, 2018 this year and awards McMaster student entrepreneurs with \$100,000 in cash prizes and automatic entry into one of The Forge’s incubator and Summer Accelerator program.</p> <p>Any current McMaster student or alumni who graduated after March 22, 2017 are eligible to apply. If you have an idea, a targeted audience and potential solution, don’t delay and apply now for the chance to turn your startup dream into reality.</p> <p>To participate, please reach out to the Forge at <a href="mailto:info@theforge.mcmaster.ca">info@theforge.mcmaster.ca</a></p>	<p>Jonathan Boulanger (Forge)</p>
<p>Hamilton Health Sciences is <a href="#">seeking proposals (RFP)</a> related to technology for Long-Term Cardiac Monitoring, which can monitor for at least 72 hours and meet Hamilton Health Science's clinical needs. Interested in integration / interface cost with Meditech as a value-add.</p> <p>Note: link may need to be cut an pasted into web browser: <a href="https://hpsc.bonfirehub.ca/opportunities/11471">https://hpsc.bonfirehub.ca/opportunities/11471</a></p>	<p>Alex Muggah (Synapse)</p>
<p>Open Innovation Competition Program (Dec 22)</p> <p>Through its network in Japan, the Government of Ontario has come across an opportunity for academic, research institutes or private sector biotech firms. Japan's Asahi Kasei Pharma company is running a competition to find innovative ideas related to chronic pain, metabolic bone diseases, and rheumatoid arthritis. The winner will get a research grant of up to \$50,000 US, and the opportunity to partner with Asahi Kasei.</p> <p>For more information, please reach out to Michell Madden at <a href="mailto:Michelle.Madden@ontario.ca">Michelle.Madden@ontario.ca</a></p>	<p>Michelle Madden (Govt of Ontario)</p>
<p>The <a href="#">Canadian Technology Accelerator</a> (CTA) initiative is now accepting applications for our spring 2018 cohorts (February–June 2018). Programs will be running simultaneously in Boston, New York City, and Silicon Valley.</p> <p>The CTA helps innovative Canadian technology companies accelerate their international growth through a 5-month program of workshops, events, mentorship and business introductions.</p>	<p>Suzanne Drisdelle (Govt of Canada)</p>

Discussion	Presenter
<p>Deadline is January 10. For more information please visit: <a href="http://international.gc.ca/trade-commerce/cta-atc">http://international.gc.ca/trade-commerce/cta-atc</a></p>	
<p>New opportunities posted under the <a href="#">3iOntario</a> program by Azimuth Health, one of OCHIS Innovation Brokers:</p> <p><a href="#">Researcher-Clinician Partnership Program 2017 Call for Innovations</a> (Nov 30): Centre for Aging and Brain Health Innovation Teams of at least one researcher and one clinician working jointly on study design, trial implementation, data collection, analysis and reporting can apply for up to \$500,000. Projects must start by June 2018 and cannot exceed 15 months. The intent is to support evaluation of innovative solutions in real-world seniors' care settings. Priority themes: aging in place, caregiver support, care coordination and navigation, and cognitive health.</p> <p><a href="#">Rapid Response Canada 2018: Parkinson's and Related Diseases</a> (Dec 4): Weston Brain Institute Up to \$200,000 per project over up to 18 months of seed funding to catalyze novel, high-risk, high-reward translational research. The focus is on accelerating development of therapeutics and/or tools for neurodegenerative diseases of aging, as defined by the Institute.</p> <p><a href="#">Supply of a Cancer Radiation Therapy "Second Dose Check" Software System</a> (Dec 4): Saskatchewan Cancer Agency Procuring a "network-based solution that integrates both 3D dose verification and a 'per fraction' dose tracking system to support a move to adaptive radiotherapy through an improved ability to verify plan calculations and increase the use of information collected during treatment."</p> <p><a href="#">Transformational Research: Canada 2018 Program</a> (Dec 7): Weston Brain Institute Seeking translational research proposals (maximum of \$1,500,000 over up to 3 years per project) to accelerate development of therapeutics for neurodegenerative diseases of aging. Scope includes tools that speed development of therapeutics, e.g., imaging techniques or reagents, biomarkers, and diagnostics.</p> <p><a href="#">Event Sponsorship</a> (Dec 15): Ontario Brain Institute Opportunity for sponsorship support of up to \$5,000 for non-profit organizations holding events that are compatible with the vision, goals and objectives of the Ontario Brain Institute. Note: Applications will be reviewed in January, May, and September.</p>	<p>Alex Muggah (Synapse)</p>



Discussion	Presenter
<p><a href="#">Cancer Innovation Grants</a> (Dec 15): Canadian Cancer Society w/ CIHR Up to 30 grants of up to \$100,000 per year to support innovative, creative problem solving in cancer research.</p> <p><a href="#">Genomic Applications Partnership Program</a> (Jan 18): Genome Canada Supports collaborations between academic researchers and industry, government, not-for-profit organizations, or other "receptors" who have identified real world opportunities and challenges related to genomics knowledge and technologies. Can request up to one-third of project budget from Genome Canada (\$100,000 to \$2 million).</p> <p><a href="#">Bioinformatics and Computational Biology Funding Competition</a> (Jan 31): Ontario Genomics Upcoming opportunity for support of the development and dissemination of next-generation bioinformatics and computational biology tools and methods required "to manage, analyze and integrate complex data sets produced by modern genomics technologies to better understand the associated biology." \$500,000-\$1 million (total) for projects of up to 3 years. Shared funding with half from Genome Canada and half from other eligible sources.</p>	

### Hamilton Health Innovation: Calendar Highlights

#### December

- November 29<sup>th</sup>: [McMaster.AI](#)
- December 1<sup>st</sup>: [2017 Annual Life Sciences Policy Forum](#) (hosted by LSO)
- December 5<sup>th</sup>: Interdisciplinary Projects in Medicine with Dr. Robert Whyte (hosted by HLA)
- December 7<sup>th</sup>: [Investor Spotlight: Polaris Partners](#) (hosted by JLABS)
- December 12<sup>th</sup>: [Artificial Intelligence for Drug Discovery](#) (hosted by JLABS)
- December 13<sup>th</sup>: Exporting to the EU Seminar (hosted by Province of Ontario / City of Hamilton)

#### January

- January 7<sup>th</sup>: Forge [Student Startup Competition](#) application period opens
- January 11<sup>th</sup>: [Use of Cost-Effectiveness Analysis in Surgical Clinical Research](#) (hosted by HLA)
- January (date TBD): Innovation Open Mic @ Mohawk College (presented by Synapse & HHS)
  - Come hear stories about the leading edge of health innovation and collaboration at the 2<sup>nd</sup> Innovation Open Mic, hosted by Mohawk College

#### February (and beyond)

- March 27-30, [annual e-Health Conference and Tradeshow](#)

- MARCH 5-9, 2018 [HiMSS Annual Conference & Exhibition 2018](#)
- March 27-28: [CTO 2018 Clinical Trials Conference](#) (hosted by Clinical Trials Ontario)
- June 19: [MedEdge Summit 2018](#)