June 9, 2021
Virtual Talking Circle
Getting Engaged in Education Innovation Across Campus
Virtual Talking Circles to Date

Why We Are Sharing These Resources

01  SHARE  Share existing resources

02  PROMOTE  Promote awareness of opportunities to engage in education innovation

03  CULTIVATE  Cultivate a culture of collaboration
Candice Stegink
UMMS Innovation and Entrepreneurship
Path of Excellence
Center for Surgical Innovation
Get Involved

• International Grand Rounds
  • Imperial College of Medicine in London

• Join our CMSXR Working Group!
  • Focus areas:
    • Simulation and Education with XR
    • Telemedicine/Telerounding, teleconsulting, telesurgery
    • AI/Machine Learning with XR for medical decision making
  • Bi-Weekly on Thursday’s @5pm. 60 faculty, residents, students and 18 departments represented. School of nursing, CAI, CSC, Engineering

• XR Request Form:
  https://forms.gle/KGnodiTQVig9UTP28
• New Office/Lab Space – Coming July 2021 to Med Sci I!
• Michigan Surgical Innovation Accelerator Prize
  • $25k Awards for Surgical Innovations
• Innovation & Entrepreneurship Path of Excellence
  • Over 100 medical students involved in program

Contact us!
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Center for Academic Innovation
Bring XR Technologies Campus-Wide

- Integrate XR into residential curricula for all 19 schools and colleges
- Integrate XR into online curricula
- Create innovative public/private partnerships
XR Innovation Projects

RECEIVED
31 Proposals

FUNDED
22 Projects

COLLABORATED WITH
11 Schools

- 4/7 Engineering
- 4/5 Architecture & Urban Planning
- 3/5 Literature, Science, and the Arts (LSA)
- 3/3 Nursing
- 2/4 Medical School
- 1/2 Dentistry
- 1/1 Information
- 1/1 Law
- 1/1 School of Music, Theater & Dance
- 1/1 School of Environment & Sustainability
- 1/1 Social Work
Engaging the XR Initiative

- XR Consultations
- XR Equipment
- Innovation Fund

ai.umich.edu/xr
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Lauren Atkins Budde
Center for Academic Innovation
Shaping the future of higher education

**Curricular Innovation**
- **Teach-Outs**: New model for participatory public engagement
- **Collections**: Curated short form interdisciplinary educational content
- **MOOCs**: Targeted open learning
- **Specializations**: Deep dive skill-building

**Educational Data & Research**
- **Data Analytics**: New model for participatory public engagement
- **Surveys, Interviews & Focus Groups**: Curated short form interdisciplinary educational content
- **MasterTrack**: Cohort-based pathway to advanced degrees and career advancement
- **Online Degrees**: Fully online degree programs and learning communities

**Tools for Learning**
- **Natural Experiments**: Cohort-based pathway to advanced degrees and career advancement
- **Randomized Controlled Trials**: Fully online degree programs and learning communities
1.5M Learners
Canada

1.2M Learners
US

141K Learners
Mexico

196K Learners
Brazil

153K Learners
Great Britain

108K Learners
Germany

107K Learners
Egypt

154K Learners
China

154K Learners
India

Top 10 Countries
1. India
2. US
3. Brazil
4. Canada
5. China
6. Great Britain
7. Mexico
8. German
9. Egypt
10. Spain

14.3M Enrollments
8.3M Unique learners
100% UN recognized countries
How Do You Get Engaged with CAI?

- Check out our website and send a request to consult: [https://ai.umich.edu/](https://ai.umich.edu/) or contact us via email at [academicinnovation@umich.edu](mailto:academicinnovation@umich.edu)
  - Online & Hybrid Degrees
  - Open Online Content (MOOCs/Teach-Outs)
  - Software/Tools
  - Public Engagement Initiatives
  - Research & Learning Analytics
- Visit Michigan Online, share broadly, and send us ideas for this learning destination: [http://online.umich.edu/](http://online.umich.edu/)
Jon Servoss
Fast Forward Medical Innovation
Business Development
Professional guides for industry collaborations.

Education
Tailored learning opportunities, for faculty and students, clinicians and researchers.

Funding & Mentorship
Resources advancing biomedical research onto viable commercial paths.

Innovation Hub
Statewide programs making impact across the region.

FASTFORWARD medical innovation

Helping biomedical researchers accelerate innovations from idea to impact.
FFMI Education & Training

- Lectures/workshops/webinars (1 hour)
- Extra curricular courses/programs (multi-week)
- Credit bearing classes (3 credits)
- Customized programming

Faculty: 37%
Staff: 13%
Trainee: 33%
External and Other: 17%

- # Med School
- # Engineering
- # Dentistry
- # LSA

3,500+ Participants
~50 New Projects Each Year
$30+ Million Follow-on Funding
31 Trained Institutions
7 Published Articles/Abstracts
How to get involved

• Online content (anytime)
• Idea consultation (by request)
• Innovation Studio (registration)
  • 3rd Tuesday of month
• FFMI *fastPACE* Course (registration)
  • Formulate a business case
  • Connect to resources

https://innovation.medicine.umich.edu/ for more information or Jonathan Servoss servossj@umich.edu
Discussion

How should health sciences education be *influenced* by these initiatives?

Some of these initiatives reside in the medical school, some exist across the university. What *enablers* help faculty, staff and students work on these different initiatives?