The STEAM Factory
Facilitating a culture of interdisciplinary collaboration at The Ohio State University

Lisa Hall
Director of STEAM Factory
Associate Professor, Chemical Engineering
The Ohio State University
Who We Are

The STEAM Factory is a diverse and inclusive grassroots network of academics and scholars within the Ohio State community committed to interdisciplinary research, outreach, and education.
Our History

2011
Columbus Junior Faculty Meet-up group

2012
Professional Development Grant
Pilot ideas for innovation hub

Co-founders of The STEAM Factory
Roman Holowinsky Mathematics
Jim Fowler Mathematics
Arnab Nandi Computer Science

2013
Ohio State Outreach & Engagement Grant

2014
The STEAM Factory @ 400 W Rich St
MOU w/ 7 Colleges/Offices at Ohio State
Our Membership:

- 225 Members including Faculty, Postdoctoral Researchers, Research Scientists and Staff
- 70+ Departments represented
- 15 Colleges, 40 Centers and Institutes represented
- 50% women and 22% underrepresented
- 65% Junior Faculty

**Membership Distribution by Role:**
- Faculty, 181
- Staff, 31
- Postdocs, ?

**Membership Distribution by College:**
- Arts and Sciences, 52%
- Engineering, 17%
- Medicine, 4%
- Public Health, 4%
- Social Work, ?%
- Dentistry, ?%
- Pharmacy, ?%
- Other, 7%
- Business, ?%
- Law, ?%
- EHE, 6%
- FAES, 10%
- Public Affairs, ?%
A diverse, dynamic, and engaged academic community
With innovative programs, projects and events for faculty, students and the Columbus community, our mission is to facilitate a culture of collaboration at Ohio State and beyond.
Our Space

Agile collaboration and co-working space, designed and built by academics

Co-located with other creatives in a vibrant downtown location
Faculty Engagement and Academic Community: STEAM Exchange

★ Monthly salon-style seminars that bring together research on a common theme from diverse disciplinary perspectives

★ Opportunities for networking, collaboration, exchange of ideas and resources

★ Topics: Bias; Blood; Community; Conflict; Food; Trees; Sustainability

★ This was our first formal program, exemplifies the mix of networking, fun, and substantial content typical of STEAM events
Broader Impacts for Ohio State Faculty Research: Multidisciplinary Research-Based Outreach

★ Informal education at local festivals, Franklinton Fridays, special events

★ Connecting Ohio State researchers with a diverse audience
  ★ 100-1000 people at each event

★ 250+ Outreach events

★ 100+ Faculty presenters

★ 250+ Graduate & Undergraduate Student presenters

★ 20,000+ Columbus community members reached
Kepler’s Music of the Spheres: Harmonies in mathematics, astronomy, and music
Come join us for a 30-minute interactive presentation by three experts at 7pm and again at 8pm.

Featuring faculty from the
Departments of Music, Mathematics, and Physics
The Ohio State University

Dr. Anna Gawboy  Dr. Matthew Kahle  Dr. Paul Sutter

400 W. Rich Franklinton Fridays • Feb. 12th, 2016, 6pm to 9pm steamfactory.osu.edu

Multidisciplinary research-based Outreach
Research impact through community engagement

- 80+ Proposals w/ STEAM Letter of Collaboration
- 25 Funded NSF Grants
  STEAM Faculty PI
- $13,000,000 awarded to STEAM Faculty PI
Micro-Grants for Interdisciplinary Collaborations: STEAM Powered Projects

★ Micro-grants provide seed funding for interdisciplinary collaborations in research, teaching or outreach between STEAM Factory members

★ Awarded a total of $106,173 in funding to 16 collaborative interdisciplinary projects in research, teaching and outreach

★ 38 Faculty members

★ 24 disciplines

The HIV Pecha Kucha project: showcases interdisciplinary work on HIV/AIDS from an advanced interdisciplinary undergraduate course taught by Drs. Kwick, a virologist, and McDow, a historian, History/ Microbiology 3704, HIV: From Microbiology to Macrohistory.
Behind the Scenes Series

Let us answer all the questions you have but are too afraid to ask
- Faculty onboarding, looking ahead across the lifespan of an academic career
- Candid peer-to-peer panel format

**Behind the Scenes: The Tenure Process**

Panel of:
- Faculty who have recently submitted a tenure package
- College tenure committee members
- Tenure package reviewers

**Behind the Scenes: Building Your Network as an Early-Career Faculty Member**

Panel of:
- First-year tenure track faculty
- Original founding STEAM Factory members
- Full professors
“When I am on campus, I have a sense of responsibility; when I step in to the STEAM Factory, I get a sense of possibility.”

— Sam White, Associate Professor, History Director, The STEAM Factory
New faculty are invited to all member events!

Find us on social media:

- www.steamfactory.osu.edu
- Twitter: @thesteamfactory
- Instagram: @steamfactoryosu
- facebook.com/theSTEAMfactory