PIT-UN AFFINITY AREAS: MEASURING IMPACT, ENSURING EQUITY, SUSTAINABILITY & GROWTH

Session Title: PIT Pedagogy, Curriculum, and Career Pipelines: Exploring inclusive practices and opportunity gaps

Discussion Leaders

- Robert Domanski, Director of Higher Education, NYC Government - Tech Talent Pipeline
- Kendra Krueger, STEM Outreach and Education Manager, ASRC Illumination Space
- Shawn Rhea, Director of Media Relations and Community Outreach for the Sciences, ASRC Illumination Space
- Arber Ruci, Entrepreneur-in-Residence, New York NSF I-Corps Hub at CUNY
- Luke Waltzer, Director, Teaching and Learning Center at the CUNY Graduate Center and the STEM Pedagogy Institute

Conversation Prompts

1. What are the hallmarks that characterize an inclusive institution of higher education? What are they for particular academic departments on a campus? To what extent can (or should) pedagogy, curriculum, and career outcomes be used as measurable benchmarks?

2. What is one of the most innovative or radical courses or teaching models that you've encountered related to PIT? What kind of intersectional or culturally relevant pedagogies are they utilizing?

3. What are the challenges you’ve experienced in innovating new pedagogies or curriculum? What are resources needed or strategies for implementing these new innovations?

Resource List


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Resource List


- Using AI for Social Good. Example of PIT-like project that is supported by NSF I-Corps, NSF Partnership for Innovation and Empire State Development https://futuraumcareers.com/using-ai-and-computer-science-as-a-force-for-social-good

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Additional Links

- NSF Innovation Corps - grants to university faculty interested in commercialization of their PIT research [https://beta.nsf.gov/funding/initiatives/i-corps/about-teams](https://beta.nsf.gov/funding/initiatives/i-corps/about-teams)

- NSF Partnership for Innovation (PFI) grants to develop technology products from university research labs [https://beta.nsf.gov/funding/initiatives/pfi/funding](https://beta.nsf.gov/funding/initiatives/pfi/funding)

- NSF SBIR, known as America's Seed fund. Grants of $275k to $1mm to develop and commercialize faculty and graduate student led innovations [https://seedfund.nsf.gov/](https://seedfund.nsf.gov/)