



CESTEMER.org

Cultivating Ensembles in STEM Education and Research

Day 1, Thu June 20

Day 2, Fri June 21

Day 3, Sat June 22

Abbreviations:

Gallery = 11th Floor Gallery

Auditorium = 11th Floor Auditorium

Room 822 = 8th floor room 822

Color Coding:

90 minute session

45 minute session

10 minute talk

[DOWNLOAD PROGRAM SCHEDULE](#)

Day 1 – Thursday, June 20th

9:00-12:00	Registration opens. (<i>Gallery</i>)
12:00-1:00	Conference Start and Welcome. Holmes & Martinez. (<i>Auditorium</i>) Host sponsor, Dr. Martinez, and Dr. Holmes welcome and lead all conference attendees in activities that introduce the breadth and depth of this year’s conference attendees and presentations.

1:00-1:45	Kerby: Using interactive techniques like storyboarding, drawing, and small	O’Hara: Engaging Practices: Using Technology to Differentiate and Collaborate
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	group feedback to help scientists craft effective presentations (<i>Auditorium</i>)	(<i>Room 822</i>)
1:45-2:00	<i>Kerby continued</i>	<i>Quichocho:</i> Integrated Physics Identities of Women of Color and LGBTQ+ Physicists (<i>Room 822</i>)
2:00-2:15	<i>Kerby continued</i>	<i>Lancaster:</i> Ten (mostly) simple things to change the culture of STEM (<i>Room 822</i>)
2:15-2:30	<i>Kerby continued</i>	<i>Dell:</i> Art in the Lab: Drawing from Science (<i>Room 822</i>)
2:30-2:45	BREAK (<i>Gallery</i>)	
2:45-3:30	<i>Cheng, Brown, Egües:</i> Interdisciplinary Collaborations: Thematic Models for Integrating the Arts and Sciences (<i>Auditorium</i>)	<i>Bright:</i> Performing Research (<i>Room 822</i>)
3:30-3:45	<i>Cheng, Brown, Egües continued</i>	<i>Gokhale:</i> Changing Millennials' Attitudes toward IT through Online Discussions (<i>Room 822</i>)
3:45-4:00	<i>Cheng, Brown, Egües continued</i>	<i>Venkatesh:</i> Finding the write level of engagement: Implementation of Student Presentations at the Board (<i>Room 822</i>)
4:00-4:15	<i>Cheng, Brown, Egües continued</i>	<i>Hunt:</i> LabX: Science for Society (<i>Room 822</i>)
4:15-4:30	BREAK (<i>Gallery</i>)	
4:30-5:15	<i>Kroehler:</i> Who, what, when,	<i>Shockley:</i> Embodied Educa-

	where, how, and why, why, why? Exercises for distilling your message (<i>Auditorium</i>)	tion: An Experiential Introduction to Movement-Based Learning (<i>Room 822</i>)
5:15-6:00	Sealfon: Acting Out in Large Lecture Halls (<i>Auditorium</i>)	Ginsberg, Mulhern: Performing Science – Drama in the (Lecture) Theatre (<i>Room 822</i>)
6:00-6:15	BREAK (<i>Gallery</i>)	
6:15-8:00	Reception (<u>Menu</u>). NYIT Provost. (<i>Auditorium</i>) Complimentary food, beverages and conversation with all attendees precede and follow the final session of the day. Holmes, Dukovski, DePace: Communicating and Humanizing Science in Interdisciplinary Research Programs.	

Day 2 – Friday, June 21st

8:30-9:00	Morning Coffee (<u>Menu</u>) (<i>Gallery</i>)	
9:00-9:45	Holmes, Rich: Creating heart in a world of STEM (<i>Auditorium</i>)	Venkatesh: Through Fish Eyes: Increasing Awareness about Marine Ecosystems through classical Indian Dance (<i>Room 822</i>)
9:45-10:00	Holmes, Rich continued (<i>Auditorium</i>)	Williams: The Intersection of Identity and Performing Arts for Black Physicists (<i>Room 822</i>)
10:00-10:15	Holmes, Rich continued (<i>Auditorium</i>)	Eshun-Willson: iMCB+: An Inclusion & Diversity Initiative to Empower Underrepresented Graduate Students

		and their Allies (<i>Room 822</i>)
10:15-10:30	Holmes, Rich <i>continued</i> (<i>Auditorium</i>)	Zaretsky: Bioart Labs: Live Art, Experimental Protocol, Bioethics and Aesthetics (<i>Room 822</i>)
10:30-10:45	BREAK (<i>Gallery</i>)	
10:45-11:00	Citron: Ebisu Sign Language Theatre Laboratory: An Ensemble of Deaf Performer-Researchers (<i>Auditorium</i>)	Bardhan, Leary: How Innovative Ideas Transcend through Nurses Telling Stories (<i>Room 822</i>)
11:00-11:15	Citron <i>continued</i>	DePodwin: It Only Takes One Person to Open the Door (<i>Room 822</i>)
11:15-11:30	Citron <i>continued</i>	Hyater-Adams: Performing Physics: An Analysis of Design-Based Informal STEAM Education Programs Presentation (<i>Room 822</i>)
11:30-12:15	Citron <i>continued</i>	Watt, Sealfon: Fake Facts and Courageous Curiosity (<i>Room 822</i>)
12:15-12:30	GROUP SHARE (<i>Auditorium</i>)	
12:30-1:30	LUNCH (<u>Menu</u>)	
1:30-2:15	Joy: The Chaos Theory of Now: Theatre and Science Together (<i>Auditorium</i>)	Esteves, Everett-Lane: What's in a Name? How Clearer Definitions Lead to Better Designs (<i>Room 822</i>)
2:15-3:00	Schedel: Kepler Concordia: Play the Solar System (<i>Auditorium</i>)	Esteves, Everett-Lane <i>continued</i> (<i>Room 822</i>)
3:00-3:15	BREAK (<i>Gallery</i>)	
3:15-5:30	SHARE FAIR. Presenters share posters, exhibits, demonstrations,	

short “Lightning” talks, and performances in a setting modeled loosely after a combination of an art fair and a scientific poster session. Conference attendees will be able to participate in several different experiences during this session.

Battor “Teaching as a Playworker” | **Berman** “Movemath-ics: math meets movement” | **Borinskaya** “RISE UP: Rutgers INSPIRE mentoring Sessions promote Early Undergraduate Participation in biomedical research” | **Coe** “Poetry Reading by Terese Coe, including her translations from Jorge Luis Borges, Pierre de Ronsard, and Heinrich Heine” | **Freeman** “Aaron Freeman’s video interview station” (room1119, all days) | **Harwell** “Queering Informal STEM Learning: Overview of a participatory approach to investigating the queer visitor experience at informal STEM education institutions” | **Hockman** “Scientists and Writers: How A University Collaboration (and Beyond) Shows They’re Good Friends” | **Holmes, Borinskaya, Shockley, Friedman** “UX Science: Building Learning Ensembles Across Class and Race” | **Kroehler, Raun** “Communicating Science: An Ethnographic Study” | **Kruesel** “From Autism (and Vaccines?) to Zebra Mussels: Science Advocacy in a College Communications Course” | **Kruesel** “Poetic-Scientist or Science-Poet?: A Reading of Poems Inspired by My Previous Life in Biochemistry” | **Mages** “Lima Beans: Telling a True Personal Science Story” | **McCray, dancers** “Here in the garden: Using dance to facilitate informal science learning” | **Merry** “Why Improv Creates Meaning” | **Muindi** “Stories in Science Gallery” | **Murray** “The Survivor Experience: Memory, Identity, & Self-Worth” | **Myronuk** “Isolating Elements: The Scientific Method on Stage” | **Prefontaine** “Physics and Figure Skating: Supporting the performer and scientist in each of us” | **Remis** “DIY Solar Cells for Non-Scientists” | **Sherr, Diotti, Adebola** “The usage of 3D printed models to enhance learning in gateway biology courses” | **Solomon** “Dancing Physics: Engaging Black Girls in Embodied Learning” | **Sumner** “Rhizomatic Play Wheel: Linking Your Play Zones & Offers” | **Timperman, Schenkel, Bertholf** “Science and Art, transforming Students and Changing the World through

Study Abroad” | **Tobin** “Laser”.

- 5:30-5:45 GROUP SHARE (*Auditorium*)
- 5:45-6:00 BREAK (*Gallery*)
- 6:00-7:00 Keynote Talk. **Pickard & Fu**: Eco-Theater: Intersectional Collaboration and New Storytelling in the Age of Climate Change. (*Auditorium On Broadway*)
- 7:00- Dinner & Fun.
Attendees are free to invite and join one another to explore surrounding NYIT restaurants and attractions.

Day 3 – Saturday, June 22nd

- 8:30-9:00 Morning Coffee (Menu) (*Gallery*)
- 9:00-10:00 Plenary talk. **Mónica Feliú-Mójer**: Finding Myself, Building Communities and Paying It Forward. (*Auditorium*)
- 10:00-10:15 BREAK (*Gallery*)
- 10:15-11:00 **Carrijo, El Hage**: “Bate-papo com Café”: a conversation café for immigrants in brazilian context (*Auditorium*)
- 10:15-11:00 **Gross**: Discussing the Whitman Poem “When I heard the Learn’d Astronomer” (*Room 822*)
- 11:00-11:45 **Collison, Williams**: Science Communication Through the Art of Storytelling (*Auditorium*)
- 11:00-11:45 **Gillespie**: The Poetry in Science: Creative Writing Workshop for Science Communication (*Room 822*)
- 11:45-12:00 GROUP SHARE (*Auditorium*)
- 12:00-1:00 LUNCH (Menu)
- 1:00-1:30 **Gentleman**: What’s in a name? (*Auditorium*)
For future conferences we want a “tagline” that could serve as a

theme or vision for the conference's outcomes; i.e. Cultivating Ensembles: Tagline for 2021. To help the organizers capture words of aspiration and appeal for possible wordings, this session will generate ideas and conversation.

1:30-2:15	<i>Elguera, Thomases:</i> Yes, And: Improvisation, Initiative and the Climate Crisis (<i>Auditorium</i>)	<i>Holzappel:</i> Generating ideas for cartoons with subject-specific humor used for science education (<i>Room 822</i>)
2:15-2:30	<i>Gelman:</i> Stage Chemistry: Scale & Ratio (<i>Auditorium</i>)	<i>Davis:</i> RockEDU Online, Design Thinking, & the Importance of Iteration in STEAM. (<i>Room 822</i>)
2:30-2:45	<i>Gelman</i> continued	<i>Garbarino:</i> #SciOut18: Experimenting with Unconference Formats to Promote Egalitarian Frameworks in the Science Outreach Profession (<i>Room 822</i>)
2:45-3:00	<i>Gelman</i> continued	<i>Pratt, D'Amour, Spence, Gates-Stuart, Haddock:</i> The Immersive Mesopelagic Performance Lab (<i>Room 822</i>)
3:00-3:15	BREAK (<i>Gallery</i>)	
3:15-4:00	<i>Hyater-Adams, Quichocho:</i> Exploring the Relationship Between Performance Art and Physics Education Interactive Session (<i>Auditorium</i>)	<i>Woodley:</i> Exploring joy as a product of collaborative work (<i>Room 822</i>)
4:00-6:00	FINALE. (<i>Auditorium</i>) The conference "Finale" will be a community created event. All participants will be invited to playfully co-create a work that reflects their conference experience. These works share what participants learned and drive the creation of the next conference.	

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