



2024 BMES CMBE Conference

January 2-6, 2024 | The Royal Sonesta San Juan | San Juan, Puerto Rico

“Systems Bioengineering:
From Molecules to Cells to Tissues”

2024 BMES CMBE Conference Program

“Systems Bioengineering: From Molecules to Cells to Tissues”

Royal Sonesta Hotel

San Juan, Puerto Rico

Tuesday, January 2, 2024

2:00 – 8:00 PM	Registration and Badge Pick Up [Room: Lobby]
7:00 – 8:30 PM	CMBE Council Meeting (council members only) [Room: Madrigal]

Wednesday, January 3, 2024

7:00 AM – 12:10 PM 2:00 – 3:00 PM	Registration and Badge Pick Up [Room: Lobby]
7:00 – 8:00 AM	Breakfast [Room: Plazoleta]
8:00 – 10:00 AM	Platform Session 1: Engineering and modeling of multiscale systems [Moderator: Ben Cosgrove] [Room: Preciosa]
8:00 AM	<i>Welcome & Introduction</i> Jenny Jiang & Ben Cosgrove
8:10 AM	<i>Keynote Speaker</i> Linda Griffith (Massachusetts Institute of Technology)
8:50 AM	<i>Invited Speaker</i> Madeline Torres-Lugo (University of Puerto Rico, Mayagüez)
9:20 AM	<i>Invited Speaker</i> Ravi Radhakrishnan (University of Pennsylvania)
9:50 AM	<i>Graduate Student Poster Lightning Talks</i> Alexandra Bermudez (University of California, Los Angeles) Ghiska Ramahdita (Washington University in St. Louis) Xaymara Rivera Gonzalez (Univ. of Massachusetts, Amherst) Shahab Chizari (University of Pennsylvania)



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10:15 – 11:15 AM	Poster Session 1A [Room: Querube Ballroom] <i>with coffee break</i>
11:15 AM – 12:25 PM	Platform Session 2: Junior Faculty [Moderator: Ngan Huang] [Room: Preciosa]
11:15 AM	<i>Junior Faculty Rising Star Award</i> Daniel Cohen (Princeton University)
11:35 AM	<i>Junior Faculty Rising Star Award</i> Julea Vlassakis (Rice University)
11:55 AM	<i>Selected Speaker</i> Shreya Raghavan (Texas A&M University)
12:10 PM	<i>Selected Speaker</i> Erika Moore (University of Maryland)
12:30 – 5:00 PM	Afternoon Break
5:00 – 6:00 PM	Poster Session 1B [Room: Querube Ballroom] <i>with refreshments</i>
6:00 – 7:00 PM	Welcome Reception [Room: Boardwalk/Pool]

Thursday, January 4, 2024

7:00 – 11:15 AM	Registration and Badge Pick Up [Room: Lobby]
7:00 – 8:00 AM	Breakfast [Room: Plazoleta]
8:00 – 10:15 AM	Platform Session 3: Tools for analyzing transcriptional and signaling systems [Moderator: Jenny Jiang] [Room: Preciosa]
8:00 AM	<i>Keynote Speaker</i> Douglas Lauffenburger (Massachusetts Inst. of Technology)
8:40 AM	<i>Invited Speaker</i> Karmella Haynes (Emory University & Georgia Tech)



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9:10 AM	<i>Invited Speaker</i> Aaron Streets (University of California, Berkeley)
9:40 AM	<i>Selected Speaker</i> Joshua Weinstein (University of Chicago)
9:55 AM	<i>Graduate Student Poster Lightning Talks</i> Ephraim Vázquez-Rosado (UT Health Sci. Ctr. at Houston) Callie Weber (University of Maryland) Madison Kane (University of California, San Diego) Eamonn McKenna (Queensland University of Technology)
10:15 – 11:15 AM	Poster Session 2A [Room: Querube Ballroom] <i>with coffee break</i>
11:15 AM – 12:35 PM	Platform Session 4: Junior Faculty [Moderator: Wendy Liu] [Room: Preciosa]
11:15 AM	<i>Junior Faculty Rising Star Award</i> Xiaojing Gao Stanford University
11:35 AM	<i>Junior Faculty Rising Star Award</i> David Myers (Emory University & Georgia Tech)
11:55 AM	<i>Junior Faculty Rising Star Award</i> Neil Lin (University of California, Los Angeles)
12:15 PM	<i>Junior Faculty Rising Star Award</i> Lingyan Shi (University of California, San Diego)
12:30 – 2:00 PM	Afternoon Break
2:00 – 3:30 PM	Workshop & Panel Discussion: Preparing the Future Cellular & Molecular Bioengineering Workforce [Room: Preciosa] <i>with refreshments</i> <i>Speaker:</i> Shalu Suri (Georgia Tech) <i>Panelists:</i> Madeline Torres-Lugo (University of Puerto Rico, Mayagüez) Nicholas Peppas (University of Texas at Austin) Linda Griffith (Massachusetts Institute of Technology) Louisa Normington (ARMI)



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3:30 – 5:00 PM	Afternoon Break
5:00 – 6:00 PM	Poster Session 2B [Room: Querube Ballroom]
6:00 – 9:00 PM	<p>Gala Dinner [Room: Preciosa] sponsored by the Eleftheria Foundation</p> <p><i>Welcome & Travel Awards:</i> Wendy Liu, Jenny Jiang & Ben Cosgrove <i>Introduction to CMBE 2025:</i> Keyue Shen & Ngan Huang <i>Introduction of Award Lectures:</i> Leo Wan</p> <p><i>Shu Chien Achievement Award</i> Nicholas Peppas (University of Texas at Austin)</p> <p><i>Chris Jacobs Award for Excellence in Leadership</i> Michael King (Vanderbilt University)</p>

Friday, January 5, 2024

7:00 – 11:15 AM	Registration and Badge Pick Up [Room: Lobby]
7:00 – 8:00 AM	Breakfast [Room: Plazoleta]
8:00 – 10:00 AM	Platform Session 5: Multiomic analysis of immune systems [Moderator: Dennis Discher] [Room: Preciosa]
8:00 AM	<i>CMBE Momentum Award (sponsored by APL Bioengineering)</i> Rong Fan (Yale University)
8:40 AM	<i>Invited Speaker</i> Kathryn Miller-Jensen (Yale University)
9:10 AM	<i>Selected Speaker</i> Jose McFaline-Figueroa (Columbia University)
9:25 AM	<i>Selected Speaker</i> Iwijn De Vlaminck (Cornell University)



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9:40 AM	<i>Graduate Student Poster Lightning Talks</i> Hannah Gilbonio (Emory University & Georgia Tech) Matthew Aronson (University of Pennsylvania) Lauren Lisiewski (Columbia University)
10:00 – 11:00 AM	Poster Session 3A [Room: Querube Ballroom] <i>with coffee break</i>
11:00 AM – 12:20 PM	Platform Session 6: Junior Faculty [Moderator: Song Li] [Room: Preciosa]
11:00 AM	<i>Junior Faculty Rising Star Award</i> Xue Gao (Rice University)
11:20 AM	<i>Junior Faculty Rising Star Award</i> Donny Hanjaya-Putra (University of Notre Dame)
11:40 AM	<i>Junior Faculty Rising Star Award</i> Ioannis Zervantonakis (University of Pittsburgh)
12:00 PM	<i>Junior Faculty Rising Star Award</i> Rosalyn Abbott (Carnegie Mellon University)
12:30 – 2:00 PM	Networking Lunch with Leaders (invitation only) [Room: Aleli Terrace]
2:00 – 5:00 PM	Afternoon Break
5:00 – 6:00 PM	Poster Session 3B [Room: Querube Ballroom] <i>with refreshments</i>

Saturday, January 6, 2024

7:00 – 8:00 AM	Breakfast [Room: Plazoleta]
8:00 – 9:40 AM	Platform Session 7: Engineering molecular, cellular and tissue systems [Moderator: Guohao Dai] [Room: Preciosa]
8:00 AM	<i>Keynote Speaker</i> Jennifer Elisseeff (Johns Hopkins University)
8:40 AM	<i>Invited Speaker</i> Jamie Spangler (Johns Hopkins University)



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9:10 AM	<i>Junior Faculty Rising Star Award</i> Jonathan Brunger (Vanderbilt University)
9:30 AM	<i>Junior Faculty Rising Star Award</i> Riccardo Gottardi (University of Pennsylvania)
9:50 AM	<i>Selected Speaker</i> Karin Wang (Temple University)
10:05 – 10:25 AM	Break with coffee
10:25 AM – 12:00 PM	Platform Session 8: Postdoctoral Travel Awardees [Moderator: Stephanie Seidlits] [Room: Preciosa]
11:00 AM	<i>Postdoctoral Travel Award</i> Kaitlin McCreery (Max Planck Inst. for Molecular Biomed.)
11:20 AM	<i>Postdoctoral Travel Award</i> Zongjie Wang (Northwestern University)
11:40 AM	<i>Postdoctoral Travel Award</i> Emmanuel Carrasquillo-Dones (University of Puerto Rico, Mayagüez)
12:00 PM	<i>Postdoctoral Travel Award</i> Zhengpeng Wan (Massachusetts Institute of Technology)
12:00 PM	<i>Postdoctoral Travel Award</i> Gurneet Sangha (University of Maryland, College Park)
11:45 AM – 12:00 PM	Poster Awards & Closing Remarks Jenny Jiang & Ben Cosgrove

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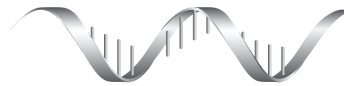
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