2024 International Institute for Nanotechnology

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Rosemary Schnell Symposium Beyond the Bulk: Unifying Discoveries at the Nanoscale

Thursday, October 10, 2024 9:00 am - 5:30 pm Hilton Orrington Hotel Evanston, IL

PROGRAM

8:30 am	Registration Open (coffee & refreshments served)
9:00 am – 9:15 am	Welcome and Introduction Chad A. Mirkin, IIN Director George B. Rathmann Professor of Chemistry Professor of Medicine (Hematology/Oncology) Professor of Materials Science and Engineering Professor of Biomedical Engineering Professor of Chemical and Biological Engineering
9:15 am – 9:20 am	Introduction by Milan Mrksich Henry Wade Rogers Professor of Biomedical Engineering Professor of Chemistry Professor of Cell and Developmental Biology
9:20 am – 9:50 am 9:50 am – 10:00 am	Regenerative Engineering Cato Laurencin University Professor Albert and Wilda Van Dusen Distinguished Professor of Orthopedic Surgery Professor of Chemical and Biomolecular Engineering Professor of Materials Science and Engineering Professor of Biomedical Engineering CEO, The Cato T. Laurencin Institute on Regenerative Engineering University of Connecticut Q&A
10:00 am – 10:05 am	Introduction by Nathan Gianneschi Jacob & Rosaline Cohn Professor of Chemistry Professor of Materials Science and Engineering Professor of Biomedical Engineering Professor of Pharmacology
10:05 am – 10:35 am	Designer Nanomachines for Mechano-Neuroscience and Beyond Jinwoo Cheon Founding Director, Institute for Basic Science (IBS) Center for Nanomedicine H. G. Underwood Professor Chemistry Yonsei University, Seoul, South Korea

10:35 am – 10:45 am	Q&A
10:45 am – 11:05 am	Break
11:05 am – 11:10 am	Introduction by Cecile Chazot Julia Weertman Professor in Materials Science and Engineering
11:10 am – 11:40 am 11:40 am – 11:50 am	Macromolecules: Friends or Foe? Ting Xu Professor, Department of Materials Science and Engineering Department of Chemistry University of California, Berkeley Q&A
11:50 am – 1:20 pm	Lunch Break
1:20 pm – 1:25 pm	Introduction by Koray Aydin Associate Professor of Electrical and Computer Engineering
1:25 pm – 1:55 pm	Doing Math at the Speed of Light with Photonic Metastructures Nader Engheta H. Nedwill Ramsey Professor of Electrical and Systems Engineering Professor of Materials Science and Engineering Professor of Bioengineering Professor of Physics and Astronomy University of Pennsylvania
1:55 pm – 2:05 pm	Q&A
2:05 pm – 2:10 pm	Introduction by Vinayak Dravid Abraham Harris Professor of Materials Science and Engineering Founding Director, Northwestern University Atomic and Nanoscale Characterization (NUANCE) Center
2:10 pm – 2:40 pm	Drawing "Quantum" on an Atomically Thin Canvas Hongkun Park Mark Hyman Jr. Professor of Chemistry Professor of Physics Harvard University
2:40 pm – 2:50 pm	Q&A
2:50 pm – 3:10 pm	Break
3:10 pm – 4:10 pm	Panel Discussion: <i>The Future of Nanotechnology</i> Moderated by Milan Mrksich
4:10 pm – 4:15 pm 4:15 pm – 5:30 pm	Closing Remarks Reception