



Penn Arts & Sciences Department of Physics and Astronomy

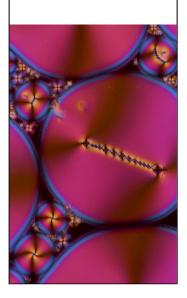
PHYSICS OF SOFT MATTER: SELF-ASSEMBLING, RESPONSIVE, SMART, (AND SQUISHY!)

honoring David Weitz

recipient of the 2024 Bower Award and Prize for Achievement in Science



David Weitz



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proudly presents THE FRANKLIN INSTITUTE AWARDS A symposium of vignettes highlighting cuttingedge fundamental soft matter science and the impact of soft materials in technology.

APRIL 17, 2024

8:00 – 11:15 AM Rose Recital Hall, Room 419 Fisher-Bennet Hall University of Pennsylvania 3340 Walnut Street Philadelphia, PA 19104

PARTICIPANTS: PAUL CHAIKIN JOHN CROCKER DOUGLAS DURIAN ELENI KATIFORI DAEYEON LEE ANDREA LIU ARNOLD MATHIJSSEN PHILIP NELSON CHINEDUM OSUJI

 PRICE:
 Free and open to the public

 ORGANIZERS:
 Peter Collings, Swarthmore College
Arjun Yodh, University of Pennsylvania

 WEBSITE:
 https://www.lrsm.upenn.edu/event/fi-award-david-weitz/

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Rose Recital Hall, Room 419

University of Pennsylvania

Fisher-Bennet Hall

PHYSICS OF SOFT MATTER: SELF-ASSEMBLING, RESPONSIVE, SMART, (AND SQUISHY!)

A Symposium honoring David Weitz,

recipient of the 2024 Bower Award and Prize for Achievement in Science

Organizers: Peter Collings, Arjun Yodh

APRIL 17, 2024 8:00 - 11:30 AM

8:00 – 8:30 AM 8:30 – 8:40 AM	Beverages, Breads, and Pastries Welcome	3340 Walnut Street Philadelphia, PA 19104	
	Session I (Chair: Andrea Liu, University of F	air: Andrea Liu, University of Pennsylvania)	
8:40 – 9:00 AM	Paul Chaikin, Physics, New York University "Artificial DNA Heat Engines/Muscles"		
9:00 – 9:20 AM	John Crocker, CBE, University of Pennsylvania "Exploring Canyons in Glassy Energy Landscapes" Douglas Durian, Physics, University of Pennsylvania "Networks that Physically Learn Complex Functionality" Daeyeon Lee, CBE, University of Pennsylvania "Microfluidics to Macro Impact: Manufacturing Marvels"		
9:20 – 9:40 AM			
9:40 – 10:00 AM			
10:00 – 10:30 AM	0:30 AM Break		
	Session II (Chair: Philip Nelson, University	of Pennsylvania)	
10:30 – 10:50 AM	Chinedum Osuji, CBE, University of Pennsylvania "Self-assembly and Demixing of Liquid Crystal Mesophases"		
10:50 – 11:20 AM	Eleni Katifori, Physics, University of Pennsylvania "Powering Flows"		
11:20 – 11:30 AM	Arnold Mathijssen, Physics, University of Pennsylvania "Emergence of Collective Functionalities in Active Matter"		

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