

Free Four-day BioAFM Workshop



Probing Tissues and Molecules:

Advances in BioAFM techniques and technologies enable the investigation of mechanics, structures, and dynamic processes

October 31 - November 3, 2023
City University of New York

Discover the Latest Advances in BioAFM Technology

Bruker is pleased to co-host a BioAFM Workshop in collaboration with CUNY-ASRC on October 31 - November 3, 2023. During this free four-day event, presentations from distinguished research groups as well as Applications Expert, Dr. Ming Ye (Bruker) will be provided, showcasing the unique and powerful capabilities of the technique.

We will also provide hands-on demonstrations with Bruker's [NanoWizard V BioAFM](#). If interested in seeing what this technology can do for your research project, please provide us with sample details after completing the online registration, and emailing William.Podrazky@bruker.com and tli@gc.cuny.edu.



Space is limited for hands-on demonstrations.

Register now to secure your spot!

Scan the QR code or [click here](#) to register.



Workshop Organizers

Tai-De Li, Ph.D.

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Workshop Location

City University of New York

Advanced Science Research Center
85 Saint Nicholas Terrace, New York, NY 10031
[View on Google Maps](#)

*View workshop agenda
on pages 2 and 3*





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Tuesday, October 31 ASRC Auditorium	
8:30AM	Registration
8:45AM	Opening
9:00AM	Nanoscope Investigations using Bruker BioAFMs— Ming Ye Ph.D., Bruker
10:00AM	Coffee Break
10:15AM	Keynote 1: Mechanobiology of Cardiovascular Cells — Kevin Costa, Ph.D., Mount Sinai
11:00AM	Keynote 2: BioAFM Applications in Kidney Mechanobiology — Evren Azeloglu, Ph.D., Mount Sinai
11:45AM	Lunch (provided)
1:00PM	Bruker's NanoWizard V BioAFM Demonstrations — Visualization Room #5.210
5:00PM	Closing
Wednesday, November 1 ASRC Auditorium	
9:00AM	Bruker's NanoWizard V BioAFM Demonstrations — Visualization Room #5.210
10:15AM	Coffee Break
10:30AM	Bruker's NanoWizard V BioAFM Demonstrations — Visualization Room #5.210
12:00PM	Lunch (provided)
1:30PM	Keynote 1: Mechanobiology of CNS myelinated axons — Carmen Melendez-Vasquez, Ph.D., Hunter-CUNY
2:15PM	Keynote 2: Collagen Fibers — Yujia Xu, Ph.D., Hunter-CUNY
3:00PM	Coffee Break
3:15PM	Keynote 3: Biomechanics of aging skin cells — Miriam Rafailovich, Ph.D., Stony Brook
3:45PM	Keynote 4: BioAFM in a Core Facility Setting — Yevgeniy Romin, Memorial Sloan-Kettering Cancer Center
4:30PM	Closing



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Thursday, November 2 | ASRC Auditorium

9:00AM	Keynote 1: High-Speed AFM Captures Rare Protein States — Shifra Lansky Ph.D., Cornell Medical
9:45AM	Open Discussions and Questions
10:00AM	Keynote 2: AFM-based Bio-Sensing — Angelo Gaitas, Ph.D., Mount Sinai
10:45AM	Open Discussions and Questions
11:00AM	Keynote 3: Photothermal AFM-IR for Biological Applications — Jinhee Kim, Ph.D., Bruker
12:00PM	Lunch (provided)
1:30PM	Bruker NanoWizard US2 BioAFM Demonstrations — Surface Science Facility #G.355

Friday, November 3 | ASRC Auditorium

9:30AM	Keynote 1: Mechanobiochemistry of Cytoskeleton Proteins — Tai-De Li, Ph.D., CUNY-ASRC
10:15AM	Open Discussions and Questions
10:30AM	Coffee Break
10:45AM	Keynote 2: Water-Responsive Materials — Seungri Kim, CUNY-ASRC
11:30AM	Open Discussions and Questions
11:45AM	Closing



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