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 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.

JPK NanoWizard V BioScience

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.
Nanoscience Initiative Facility Director
City University of New York
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William K. Podrazky
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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 Lecture Room	
8:30AM	**Registration**
8:45AM	**Opening**
9:00AM	**Nanoscopic 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 Podocyte 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 Lecture Room	
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 Neuron Cells** — Carmen Melendez-Vasquez, Ph.D., Hunter-CUNY
2:15PM	**Open Discussions and Questions**
2:30PM	**Keynote 2: Collagen Fibers** — Yujia Xu Ph.D., Hunter-CUNY
3:15PM	**Open Discussions and Questions**
3:30PM	**Keynote 3: Topic TBD** — Yevgeniy Romin, Ph.D., Memorial Sloan-Kettering Cancer Center
4:15PM	**Open Discussions and Questions**
4:30PM	**Closing**

Innovation with Integrity

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Thursday, November 2 | ASRC Lecture Room	
9:00AM	**Keynote 1: Ultra Speed AFM** — 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 Lecture Room	
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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Innovation with Integrity