

Nano Explorations Videos

A Student & Postdoc Webinar Series from MIT.nano

[Fluorescent Janus Droplet and its Application in Biosensing of Listeria Monocytogenes](#)

Jie Li | Abstract on page 17

[Dance-inspired Investigation of Human Movement](#)

Praneeth Namburi | Abstract on page 18

[Nanoscale Insights into the Mechanisms of Cellular Growth and Proliferation](#)

Kacper Rogala | Abstract on page 19

[Programming a Quantum Computer with Quantum Instructions](#)

Morten Kjaergaard | Abstract on page 40

[Silicate-Based Composite as Heterogeneous Integration Packaging Material for Extreme Environments](#)

James McRaen | Abstract on page 41

[Highly Tunable Junctions in Magic Angle Twisted Bilayer Graphene Tunneling Devices](#)

Daniel Rodan-Legrain | Abstract on page 61

[Electronic Cells: Autonomous Micromachines from 2D Materials](#)

Volodymyr Koman | Abstract on page 62

[Decoding Complexities in Relaxor Ferroelectrics Using Electron Microscopy](#)

Abinash Kumar | Abstract on page 63

[Integrating Object Form and Electronic Function in Rapid Prototyping and Personal Fabrication](#)

Junyi Zhu | Abstract on page 90

[Seeing Superlattices: Imaging Hidden Moiré Periods at the Nanoisland-2D Material Interface Using 4D Scanning Transmission Electron Microscopy](#)

Kate Reidy | Abstract on page 105

[Small Molecule Assemblies with a Bulletproof Design: The Aramid Amphiphile](#)

Ty Christoff-Tempesta | Abstract on page 106

[Integrated Photonics and Electronics for Chip-scale Quantum Control of Trapped Ions](#)

Jules Stuart | Abstract on page 124