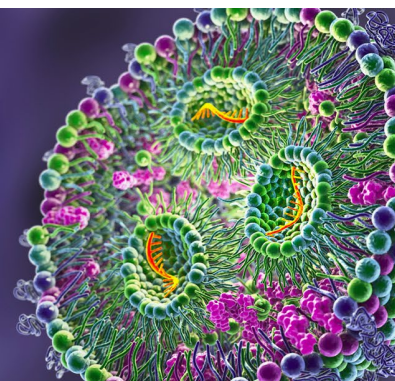


# Register & Save the Date: September 10 & 11, 2025

## First Annual Applied Biophysics Forum in Drug Delivery - US Edition

Cambridge Innovation Ctr., Cambridge, MA, USA



### Agenda | Speaker Line up

| DAY 1   Sept 10   10:00AM – 4:00PM  | Speaker                                 |
|---|---|
| Registration (Refreshment will be served)   |   |
| <b>First Session</b>  |   |
| Welcome from MP   |   |
| Degradable cyclic amino alcohol ionizable lipids as vectors for potent influenza mRNA vaccines                  | Arnab Rubra                             |
| Recent Progress of LNP Research Field   | Jonathan Mehtala                        |
| Panel Discussion   Break  | Kuo-Chih Shih                           |
| Lunch - Network and Poster  | All                                     |
| <b>Second Session</b>   |   |
| Lyophilization and Stability of mRNA Lipid Nanoparticles: A Structural and Functional Perspective               | Xiuling Lu                              |
| Combined experimental approaches with SAXS to probe structure of lipid nanocarriers                             | Mu-Ping Nieh                            |
| Effect of ionizable lipid source on the performance and stability of siRNA loaded lipid nanoparticles           | Sheyda Ranjbar                          |
| Panel Discussion   Break  | Kuo-Chih Shih                           |
| Poster and Networking   | All                                     |
| Off-site Dinner at Glass House, Cambridge   | <i>please indicate when registering</i> |
| Day 2   Sept 11   9:00AM – 3:00PM   |   |
| <b>Third Session</b>  |   |
| Ensuring RNA-LNP Drug Product Quality: Payload Integrity, RNA Impurities, and Particle Characterization         | Nejc Pavlin                             |
| The importance of in-process LNP characterization via DLS   | Bunjum Kim                              |
| Mesoscopic structural analysis of mRNA lipid nanoparticle formulations with DSC and SAXS                        | Jae Park                                |
| Panel Discussion   Break  | Jonathan Mehtala                        |
| Lunch   | All                                     |
| <b>Fourth Session</b>   |   |
| Overview of MP Portfolio and How it Advances LNP Development  | Kuo-Chih Shih                           |
| A Modular and Versatile Targeted LNP Delivery Platform for Extra-hepatic RNA Therapeutics                       | Justin Fang                             |
| Lipid Membrane Dynamics Measured by Neutron Spin Echo (NSE)   | Michihiro Nagao                         |
| Mobilize: Engineering a Modular and Versatile Targeted LNP Delivery Platform for Extra-hepatic RNA Therapeutics | Cassidy Purrington                      |
| Panel Discussion   Closing Remarks  | Jonathan Mehtala                        |

*Please note this is a preliminary agenda and is subject to change*