20th International Symposium on Recent Advances in Drug Delivery Systems

University of Utah Guest House & Conference Center

Program Schedule

Tuesday, February 23rd, 2027

Time	Event	Location
6:00 pm	Welcome Reception	Granite Ballroom

Wednesday, February 24th, 2027

Time	Event	Location
7:00 am	Registration	Douglas Ballroom Lobby
	Breakfast	

Welcome/Introductory Remarks

Time	Speaker	Location
8:00 am	Randall Peterson, SVP Strategic Initiatives Health Sciences Dan Witt, Interim Dean, College of Pharmacy Hamid Ghandehari, Symposium Chair University of Utah	Douglas Ballroom

Plenary Lecture Moderator: Hamid Ghandehari

Time	Speaker	Topics
8:15 am	**Molly Stevens (Online)** Oxford University	Designing and Translating New Biomaterials for Advanced Therapeutics

Session 1 Moderators: Kannan Rangaramanujam, Jindřich Kopeček

Time	Speaker	Topics
9:00 am	**Lutz Nuhn** University of Würzburg	In Vivo Degradable Aliphatic Polycarbonate Nanocarriers for Immunodrug Delivery and Gene Interference
9:30 am	**Sara Hedtrich** University of British Columbia	Delivery Challenges in Complex Tissues Such as Skin
10:00 am	**Coffee break**	
10:30 am	**Allison Keeler** UMass Amherst	Characterizing and Modulating Immune Responses to Gene Therapy

11:00 am	**Kannan Rangaramanujam** Johns Hopkins University	Ligand-free Cell-targeted Dendrimer Nanomedicines - Development and Clinical Translation
11:30 am	**Ronit Mazor (Online)** U.S. Food and Drug Administration	Adeno-Associated Virus–Mediated Gene Therapy: Regulatory and Scientific Advances, Challenges, and Research Innovations

Time		Location
12:00 pm	**Lunch**	Douglas Lobby

Session 2 Moderators: Sara Hedtrich, Nitish Khurana

Time	Speaker	Topics
1:00 pm	**Ronit Satchi-Fainaro** Tel Aviv University	Decoding Tumor-Host Interactions: Engineering the Future of Personalized Oncology
1:30 pm	**Dmitri Simberg** University of Colorado	Understanding How the Complement System Tags Nanoparticles.
2:00 pm	**Jae-Hyung Park** Sungkyunkwan University, Korea	Drug Delivery Approaches to Control the In Vivo Fate of Exosomes
2:30 pm	**Poster Session I and Coffee Break**	

Session 3 Moderators: Dmitri Simberg, Yue Lu

Time	Speaker	Topics
3:30 pm	**Piotr Grodzinski** National Institute of Health	National Cancer Institute Alliance for Nanotechnology in Cancer – 20 years Perspective
4:00 pm	**Hannah Zierden** Ohio State University	The Mucus Protein Corona as a Design Consideration for Effective Local Drug Delivery
4:30 pm	**Steve Roffler** Academia Sinica	Causes and Impact of PEG Immunogenicity

Thursday, February 25th, 2027

Time	Event	Location
7:15 am	*Breakfast*	Douglas Ballroom Lobby

Plenary Lecture Moderator: Ronit Satchi-Fainaro

Time	Speaker	Topics
8:00 am	David Grainger University of Utah	TBD

Session 4 Moderators: Hannah Zierden, Taslim Al-Hilal

Time	Speaker	Topics
8:45 am	**Karthik Raman** Persist AI	Automation and Machine Learning Approaches for Formulation Optimization
9:15 am	**Roger Luo** Purdue University	Mapping Cell-type-selective RNA Targeting in the Entire Mammalian Body
9:45 am	**Quanyin Hu** University of Wisconsin	Engineering Cells for Cancer Immunotherapy
10:15 am	Coffee break	

Session 5 Moderators: Zeinab Jahed, Shreya Goel

Time	Speaker	Topics
10:45 am	**Markita Landry** UC Berkeley	Nanosensors for Tracking Molecular Interactions in Vivo
11:15 am	**Wei Gao** California Institute of Technology	Body-interfaced Biosensors for Personalized Health Monitoring
11:45 pm	**Inge Herrmann** ETH Zurich	Innovating Medical Technologies for Women's Health
12:15 pm	**Group Picture**	

Time		Location
12:30–1:30 pm	**Lunch**	Douglas Lobby
1:30 – 2:45 pm	**Poster Session II**	Granite Ballroom

Session 6 Moderators: Owen Fenton, Marta Overchuk

Time	Speaker	Topics
2:45 pm	**Helen Cho** Samyang Biopharm	Advancing Pulmonary Gene Therapeutics with Novel Lung-Selective Ionizable Lipid and Polymer-Based Selectivity Enhanced Nanoshell (SENS™) Delivery Technologies
3:15 pm	**Zeinab Jahed** UC San Diego	Nanopillar-mediated Nuclear Poration for Non-viral Delivery of Genetic Cargo
3:45 pm	**Mingnan Chen** University of Utah	Immune State Determines the Therapeutic Outcome of a PD-1–Depleting Antibody: A Big-Data–Driven Investigation
4:15 pm	**Aliasgar Salem** University of Iowa	In Situ Immunization of Tumors
7 pm	**Banquet**	

Friday, February 26th, 2027

Time	Event	Location
8:00 am	*Breakfast*	Douglas Ballroom Lobby

Session 7 Moderators: Pad Chivukula, Carol Lim

Time	Speaker	Topic
9:00 am	**Owen Fenton** University of North Carolina Chapel Hill	Advancing the Design Logic of mRNA Nanomedicines
9:30 am	**Gaurav Sahay** University of Oregon	The Endosomal Escape Bottleneck in Lipid Nanoparticle RNA Delivery: Mechanistic Basis and Translational Strategies.
10:00	**Yeh-Hsing Lao** University at Buffalo	Bioengineering Approaches to Advance Somatic Genome Editing
10:30 am	Coffee break	
11:00 am	**Kuo-Ching Mei** University of Utah	Engineering "Eat-Me" Signals on Lipid Nanoparticles to Enhance mRNA Delivery
11:30 am	**Pad Chivukula** Arcturus Therapeutics	Next-Generation LNPs: Engineering Durable, Repeat-Dose Delivery for mRNA Protein Replacement
12:00 am	**Presentations of Poster Awardees**	
12:30 PM	**Closing Remarks** Shawn Owen	
12:35 PM	Box Lunch/Adjorn	

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