

Thursday, April 4, 2024

- | | |
|---------------|---|
| 15:00 – 16:30 | Conference check-in (Hotel Lobby) |
| 16:30 – 16:40 | Welcome and General Announcements |
| 16:40 – 17:30 | <u>Keynote Talk 1</u>
The Chemistry of Something
Mano Manoharan, Alnylam Pharmaceuticals, USA |
| 17:30 – 19:00 | Welcome Reception on Titanic Terrace with Ortigia Sea View followed by Local Sicilian Wine Tasting |
| 19:00 – 20:30 | Dinner (Neos Restaurant) |
| 20:30 – 21:30 | Social Hour |

Friday, April 5, 2024

- 07:30 – 09:00 Breakfast Buffet (Neos Restaurant)
- 09:00 – 09:25 **Setting the Delivery Stage**
Steve Dowdy, UCSD, USA
- Session 1: Clinical Stage Delivery**
Chair: Virginia Arechavala-Gomez, Biocruces Bizkaia Health Research University, Spain
- 09:25 – 09:50 **Selective Organ Targeted (SORT) LNPs: focus on lung delivery and PCD program**
Dan Siegwart, UT Southwestern/ReCode, USA
- 09:50 – 10:15 **TfR Ab conjugated oligos for muscle delivery**
Art Levin, Avidity Biosciences, USA
- 10:15 – 10:45 Coffee Break
- 10:45 – 11:10 **TfR-Fab conjugated oligos for muscle delivery**
Oxana Beskrovnaya, Dyne Therapeutics, USA
- 11:10 – 11:35 **CRISPR LNPs (include particle/cargo analytics)**
Kristy Wood, Intellia Therapeutics, USA
- 11:35 – 11:50 **TBD** Short talk
- 11:50 – 12:05 **TBD** Short talk
- 12:05 – 14:00 Lunch (Nesos Restaurant or Latomie Terrace, depending on weather)
- Session 2: Endosomal Trafficking and Escape**
Chair: Steve Dowdy, UCSD, USA
- 14:00 – 14:25 **LNP Endosomal Escape**
Anders Wittrup, Lund University, Sweden
- 14:25 – 14:50 **TBD**
Marino Zerial, Max Plank Institute, Germany
- 14:50 – 15:15 **ENDOSCAPE: Triterpene glycoside conjugates allow efficiently endosomal escape of diverse targeted payloads (Short Talk)**
Guy Hermans, Supreme Technologies B.V., the Netherlands
- 15:15 – 15:30 **Innate responses against DNA**
Gunter Hartmann, University of Bonn Hospital, Germany
- 15:30 – 16:00 Coffee Break
- 16:00 – 16:25 **TBD**
- 16:25 – 16:40 **TBD**
- 16:40 – 16:55 **TBD**
- 16:55 – 17:20 **Round Table on Today's Lessons Learned**
- 17:20 – 19:00 Poster Session 1 (Conference Center - with beverages)

Friday, April 5, 2024 (continued)

19:00 – 21:00 Dinner (Sicilian Buffet on Titanic Terrace with Ortigia Sea View)

21:00 – 22:00 Social Hour

Saturday, April 6, 2024

- 07:30 – 09:00 Breakfast Buffet (Nesos Restaurant)
- Session 3: Delivery Chemistry**
Chair: Masad Damha, McGill University, Canada
- 09:00 – 09:25 **Lipidated conjugates for CNS delivery**
Anastasia Khvorova, University of Massachusetts, USA
- 09:25 – 09:50 **Chemical evolution of artificial peptide carriers for nucleic acid delivery**
Ernst Wagner, Ludwig-Maximilian-University of Munich, Germany
- 09:50 – 10:15 **TBD**
- 10:15 – 10:45 Coffee Break
- 10:45 – 11:10 **Muscle targeted centyrin-siRNA conjugates as substrate reduction therapy for Pompe Disease**
Karyn O'Neil, Aro Biotherapeutics, USA
- 11:10 – 11:25 **TBD**
- 11:25 – 11:40 **TBD Short talk**
- 11:40 – 11:55 **TBD**
- 11:55 – 14:00 Lunch (Nesos Restaurant or Latomie Terrace, depending on weather)
- Session 4: New Delivery Strategies**
Chairs: Ernst Wagner, Ludwig-Maximilians-Universität, Germany
- 14:00 – 14:25 **TBD**
- 14:25 – 14:50 **TBD**
- 14:50 – 15:05 **TBD**
- 15:05 – 15:20 **TBD**
- 15:20 – 15:50 Coffee Break
- 15:50 – 16:15 **TBD**
- 16:15 – 16:30 **LNP delivery**
Guarav Sahay, Oregon State University, USA
- 16:30 – 17:00 **Just a Little Delivery Reality Check**
Paul Burke, Burke Bioventures LLC, USA
- 17:00 – 18:30 Poster Session 2 (Conference Center with beverages)
- 18:30 – 21:00 Dinner (Nesos Restaurant)
- 21:00 – 22:00 Social Hour

Sunday, April 7, 2024

- 07:30 – 09:00 Breakfast Buffet (Nesos Restaurant)
- Session 5: Non-Viral and Viral Gene Therapy**
Chairs: Matt Stanton, Generation Bio, USA
- 09:00 – 09:25 **AAV delivery**
Dirk Grimm, Heidelberg University Hospital, Germany
- 09:25 – 09:50 **TBD**
Pad Chivukula, Arcturus Therapeutics, USA
- 09:50 – 10:15 **31 DNA LNP delivery**
Matt Stanton, Generation Bio, USA
- 10:15 – 10:45 Coffee Break
- 10:45 – 11:10 **TBD**
Tony De Fougères, Evox Therapeutics Limited, United Kingdom
- 11:10 – 11:35 **TBD**
- 11:35 – 12:00 **LNP Structure**
Jay Kulkarni, Nanovation Therapeutics, Canada
- 12:15 Pick up boxed lunch (Hotel Lobby)
- 12:30 – 17:30 Buses leave for sightseeing excursion to Roman ruins and Old Town Siracusa
- 18:00 – 18:10 Poster Awards
- 18:10 – 19:00 **Keynote Talk 2**
The World of LNPs
Pieter Cullis, University of British Columbia, Canada
- 19:30 – 21:30 Gala Dinner (Nesos Restaurant)
- 21:30 – 22:30 Social Hour

Monday, April 8, 2022

- 07:30 – 09:00 Breakfast Buffet (Nesos Restaurant)
- 09:00– 12:00 Departures