

Preliminary Program IC-HDX-MS 2019

Tuesday May 21 2019

1:00 pm – 4:00 pm	Arrival and registration
4:00 pm – 4:15 pm	David Schriemer Welcome, and opening remarks
4:15 pm – 5:00 pm	Martin Beck (European Molecular Biology Laboratory, Heidelberg) TBD
5:00 pm – 7:00 pm	Reception

Wednesday May 22 2019

7:00 am – 8:00 am *Breakfast, Vistas Dining Room*

Morning Session 1 **Advancements and Innovations** **Chair: : Elyssia Gallagher**

8:00 am – 8:30 am	Patrick Wintrode (U. Maryland)	30 min	
	<i>Molecular Dynamics Simulations as an Aid to Interpreting HDX-MS Data</i>		
8:30 am – 9:00 am	Lars Konermann (Western U)	30 min	3
	<i>Complementary Insights into Protein Structure and Dynamics from HDX-MS and MD Simulations</i>		
9:00 am – 9:15 am	Talk #1	15 min	
9:15 am – 9:30 am	Talk #2	15 min	
9:30 am – 10:00 am	<i>Nutrition break</i>		

Morning Session 2 **IC-HDX-MS Sponsors** **Chair: John Burke**

10:00 am – 10:30 am	Waters	30 min
10:30 am – 11:00 am	Trajan	30 min
11:00 am – 11:30 am	HD Examiner	30 min
11:30 am – 12:00 pm	Sciex	30 min
12:00 pm – 12:30 pm	ThermoFisher	30 min

12:30 pm – 1:30 pm *Lunch, Vistas Dining Room*

Afternoon Session 1 **Workshops** **Chair: Kasper Rand**

1:30 pm – 1:40 pm	Kasper Rand	Opening comments
1:40 pm – 3:10 pm	Discussion themes	
Room MB 251	HDX-MS in a biopharmaceutical environment Moderator: TBD	
Room MB 252	Thinking outside the box –innovations to be considered further Moderator: TBD	
Room MB 253	Meeting the data challenge –modeling and archiving Moderator: Kasper Rand/David Schriemer	
3:10 pm – 3:40 pm	<i>Nutrition break</i>	

Afternoon Session 2 Protein Function Chair: Miklos Guttman

3:40 pm – 3:55 pm	Kasper Rand	Summary comments - workshop
3:55 pm – 4:40 pm	Elizabeth Komives (UC – San Diego)	45 min <i>Using HDXMS to detect long-range allostery in large protein complexes</i>
4:40 pm – 4:55 pm	Talk #1	15 min
4:55 pm – 5:10 pm	Talk #2	15 min
5:10 pm – 5:25 pm	Talk #3	15 min
5:25 pm – 6:00 pm	Poster flashes	35 min (7 x 5 min)

6:00 pm – 7:00 pm *Dinner, Vistas Dining Room*

Evening Session

7:00 pm – 9:00 pm *Posters, MB 251-253*

Thursday May 23 2019

7:00 am – 8:30 am *Breakfast, Vistas Dining Room*

Morning Session 1 Integrative Structural Biology Chair: Argyris Politis

8:30 am – 9:15 am	Ben Black (UPenn)	45 min <i>HX Studies of DNA/Protein Complexes</i>
9:15 am – 9:45 am	John Burke (UVic)	30 min <i>HDX studies of peripheral membrane signalling</i>
9:45 am – 10:00 am	Talk #1	15 min

10:00 am – 10:30 am *Nutrition break*

Morning Session 2 Integrative Structural Biology Chair: Martial Rey

10:30 am – 11:00 am	John Engen (Northeastern U.)	30 min <i>Multiprotein systems in protein folding and unfolding</i>
11:00 am – 11:15 am	Talk #4	15 min
11:15 am – 11:30 am	Talk #5	15 min
11:30 am – 11:45 am	Talk #6	15 min

11:45am – 1:30 pm *Lunch, Vistas Dining Room [Science and Career]*

Afternoon Session 1 Biopharmaceuticals Chair: Jennifer Zhang

1:30 pm – 2:00 pm	Michael Chalmers	30 min <i>TBD</i>
2:00 pm – 2:30 pm	Zhongqi Zhang (Amgen)	30 min <i>Mechanistic understanding of antibody-antigen interactions for the optimization and development of antibody-based biopharmaceuticals</i>
2:30 pm – 2:45 pm	Talk #1	15 min
2:45 pm – 3:00 pm	Talk #2	15 min

3:00 pm – 3:30 pm *Nutrition break*

Afternoon Session 2 Biopharmaceuticals Chair: Dana Reichmann

3:30 pm – 4:00 pm	David Weis (U Kansas) <i>HX-MS as an enabling tool across the pharmaceutical development pipeline</i>	30 min
4:00 pm – 4:15 pm	Talk #3	15 min
4:15 pm – 4:30 pm	Talk #4	15 min
4:30 pm – 4:45 pm	Talk #5	15 min
4:45 pm – 5:00 pm	Talk #6	15 min
5:00-5:15 pm	<i>Group photograph</i>	
5:15 pm – 7:00 pm	<i>Dinner, Vistas Dining Room</i>	

Friday May 24 2019

7:00 am – 8:30 am *Breakfast, Vistas Dining Room*

Morning Session 1 Protein Function Chair: Ganesh Anand

8:30 am – 9:00 am	Sheena Darcy (UT Dallas) <i>The role of dynamics in enzyme catalysis</i>	30 min
9:00 am – 9:15 am	Talk #1	15 min
9:15 am – 9:30 am	Talk #2	15 min
9:30 am – 9:45 am	Talk #3	15 min

09:45 am – 10:30 am *Nutrition break*

Morning Session 2 Advancements and Innovations Chair: Claudia Maier

10:30 am – 11:00 am	Kasper Rand (U Copenhagen) <i>Tackling sample treatment during HDX-MS by microfluidics</i>	30 min
11:00 am – 11:15 am	Talk #1	15 min
11:15 am – 11:30 am	Talk #2	15 min
11:30 am – 12:00 pm	Annual General Meeting of the International Society for HDX-MS	
12:00 noon – 12:15 pm	Meeting windup [John Burke and Dave Schriemer]	

12:15 pm *Departure*