



26th Solvay Conference on Chemistry "Chemistry Challenges of the 21st Century" Conference Program

Sunday 16 October 2022

20:00 Walking dinner at the Plaza Hotel

Monday 17 October 2022

09:00 - 09:15 Welcome addresses by Marc Henneaux, Director of the Solvay Institutes and by Kurt Wüthrich, Chair of the conference and of the Scientific Committee for Chemistry of the International Solvay Institutes

09:15 - 09:30 Historical Background by Franklin Lambert, Emeritus Professor VUB

Session 1 ***Catalysis for Sustainable Chemistry***
Chair: David MacMillan
(Auditeurs: Cédric Theunissen & Frederik Tielens)

09:30 - 10:40 Introductory statement by David MacMillan
Statements: Ben Feringa, Karen I. Goldberg, Rob Knowles, Karthish Manthiram, Sir Martyn Poliakoff

10:40 - 11:10 Coffee break

11:10 - 12:40 Discussion

12:40 - 14:00 Lunch

Session 2 ***From Molecules to Dynamic Supramolecular Systems***
Chair: Ben Feringa
(Auditeurs: Mathieu Surin & Hennie Valkenier)

14:00 - 15:10 Introductory statement by Ben Feringa
Statements: Nicolas Giuseppone, Nathalie Katsonis, Bert Meijer, Andrew Turberfield, Omar Yaghi

15:10 - 15:40 Coffee break

- 15:40 – 17:10 Discussion
- 18:30 Reception at the City Hall (Meeting in the lobby at 18:10)

Tuesday 18 October 2022

Session 3 ***Reticular Chemistry and New Materials***
Chair: Omar M. Yaghi
(Auditeurs: Carmela Aprile & Guy Van Assche)

- 09:00 – 10:10 Introductory statement by Omar M. Yaghi
Statements: Makoto Fujita, Chad Mirkin, Joachim Sauer, Arne Thomas, Xiaodong Zou
- 10:10 – 10:40 Coffee break
- 10:40 – 12:10 Discussion
- 12:10 – 12:25 Group Photo
- 12:25 – 14:00 Lunch

Session 4 ***New Chemistry for Renewable Energy***
Chair: Dan Nocera
(Auditeurs: Elke Debroye & Benjamin Elias)

- 14:00 – 15:20 Introductory statement by Dan Nocera
Statements: Dame Clare Grey, Sossina Haile, Matthew Kanan, James Liao, Henry Snaith, Andreas Züttel
- 15:20 – 15:50 Coffee break
- 15:50 – 17:20 Discussion
- 19:30 Banquet at the Plaza Hotel

Wednesday 19 October 2022

Session 5 ***Directed Protein Evolution for Green Chemistry***
Chair: Sabine Flitsch
(Auditeurs: Ulrich Hennecke & Anastassia Vorobieva)

- 09:00 – 10:10 Introductory statement by Sabine Flitsch
Statements: Don Hilvert, Stefan Lutz, Alison Narayan, Silvia Osuna, Nicholas Turner
- 10:10 – 10:40 Coffee break

- 10:40 – 12:10 Discussion
- 12:10 – 14:00 Lunch
- Session 6** ***RNA Chemistry to Explore our Origins and Fight Viral Pandemics***
Chair: Gerald Joyce
(Auditeurs: Cyril Gueydan & Chloé Martens)
- 14:00 – 15:20 Introductory statement by Gerald Joyce
Statements: Andrew Fire, Claudia Höbartner, Karla Kirkegaard,
Peter Palese, John Sutherland, Jack Szostak
- 15:20 – 15:50 Coffee break
- 15:50 – 17:20 Discussion
- 18:45 Reception at the Solvay's (Meeting in the hotel lobby - Bus pick
up at 18:45).

END OF CONFERENCE