

TUESDAY, SEPTEMBER 6, 2022

- 02:00 – 02:20 pm** **Symposium opening**
Opening remarks by Life/chairmen – *Peter Stenvinkel and Christoph Wanner, Katarzyna Mazur-Hofsmaess, CEO Medical Technologies, FMC, Franklin Maddux, Global Chief Medical Officer, FMC*
- 02:20 – 03:20 pm **L1** Role of Inflammation, uremic toxins and senescence for early vascular ageing in dialysis patients – *Peter Stenvinkel*
- 03:20 – 03:45 pm** **Break**
- 03:45 – 04:00 pm **L2** Overview of 30 years of membrane innovations – milestones in membrane research – *Stefano Stuard*
- 04:00 – 07:00 pm** **M1 Membranes - the core element of hemodialysis therapy**
- 04:00 – 04:40 pm **L3** The membrane perspective of dialysis – *Bernard Canaud*
- 04:40 – 05:10 pm **L4** What is/are the mechanism(s) of a beneficial effect of HDF? – *Peter Blankestijn*
- 05:10 – 05:40 pm** **Break**
- 05:40 – 06:10 pm **L5** Biocompatibility – adverse reactions to synthetic membrane dialyzers, tale or truth? – *Alberto Ortiz*
- 06:10 – 06:40 pm **L6** Oxidative stress inflammation and post-translational modifications in chronic kidney disease and dialysis patients – *Thomas Ebert*

Opening

M1

WEDNESDAY, SEPTEMBER 7, 2022

- 09:00 – 12:30 pm** **M2 Innovation in membrane science – Bernard Canaud and Alberto Ortiz (Moderation)**
- 09:00 – 09:30 am **L7** Dialysis membrane engineering – *Torsten Keller*
- 09:30 – 10:00 am **L8** Innovating a membrane hydro-layer to improve biocompatibility – *James Kennedy*
- 10:00 – 11:00 am **L9** Recent advances in membrane development: Clinical insights from the eMPORA and comPERFORM study programs – *Fatih Kircelli*
- 11:00 – 11:30 am** **Break**
- 11:30 – 12:00 pm **L10** Real-world clinical performance evaluation of a novel dialyzer: A retrospective cohort study – *Peter Kotanko*
- 12:00 – 12:30 pm **L11** The impact of recent advances in dialyzer technology on clinical outcomes – *Bernard Canaud*
- 12:30 – 01:15 pm** **Break**
- 01:15 – 02:30 pm** **M3 Understanding dialyzer production – a virtual tour**
including live discussion with *James Kennedy, Torsten Keller, Bernard Canaud, Stefano Stuard, TBC (Moderation James Kennedy)*
- 02:30 – 05:30 pm** **M4 Blood-membrane interactions: Molecular and physiological implications**
- 02:30 – 03:00 pm **L12** Blood-membrane interference - how to investigate blood-membrane interactions – *Viktoria Weber*
- 03:00 – 03:30 pm** **Break**
- 03:30 – 05:30 pm** **Podium discussion - Bernard Canaud (Introduction and moderation)**
- 03:30 – 04:00 pm **L13** Investigating membrane biocompatibility – *Muriel Grooteman*
- 04:00 – 04:30 pm **L14** The complement system and its central pillar for innate immune response and relevance for chronic dialysis therapy – *Giuseppe Castellano*
- 04:30 – 05:00 pm **L15** Dialyzer biocompatibility: The importance of design and biomaterials - *Andrew Davenport*
- 05:00 – 05:30 pm **Discussion** on recent advances and future expectations in biocompatibility – *Muriel Grooteman, Giuseppe Castellano, Andrew Davenport, Bernard Canaud*

M2

M3

M4

THURSDAY, SEPTEMBER 8, 2022

- 09:00 – 12:20 pm** **M5 The future of dialysis therapy: Quick-fire lectures**
- 09:00 – 09:20 am **L16** Artificial intelligence-enabled applications in dialysis – *Jeroen Kooman*
- 09:20 – 09:40 am **L17** Dialysis membranes and uremic toxins – *Raymond Vanholder*
- 09:40 – 10:00 am **L18** New membranes and concepts for improved dialysis therapies – *Dimitrios Stamatialis*
- 10:00 – 10:20 am **L19** Safety of a dialyzer containing a fluorinated polyurethane surface-modifying macromolecule (Endexo study) – *Robert Kossmann*
- 10:20 – 10:40 am **L20** Innovative technology to assess dialyzer clotting: Lessons learned for clinical practice – *Wim Van Biesen*
- 10:40 – 11:00 am** **Break**
- 11:00 – 11:20 am **L21** Engineering cell-based kidney replacement therapy – *Roos Masereeuw*
- 11:20 – 11:40 pm **L22** Measuring intracellular phosphate and ATP depletion in patients receiving maintenance hemodialysis – *Laurent Juillard*
- 11:40 – 12:00 pm **L23** Frontiers and emerging trends in Dialysis – *Sandip Mitra*
- 12:00 – 12:20 pm **L24** Using a mathematical model a/o artificial intelligence to model biocompatibility – *Amira Abdelrasoul*
- 12:20 – 01:00 pm** **Break**
- 01:00 – 02:00 pm** **Farewell lecture**
- 01:00 – 01:40 pm **L25** Expectations in dialysis science: A patient and nephrologist point of view – *Christoph Wanner*
- 01:40 – 02:00 pm **Symposium closure**
Franklin Maddux, Global Chief Medical Officer, FMC, Katarzyna Mazur-Hofsmaess, CEO Medical Technologies, FMC, Life/chairmen Peter Stenvinkel and Christoph Wanner

M5

Closure

