

# Programme HRSMC Symposium

## 11 November 2022, O|2 Lab Building VU

08:15 Coffee/ tea & registration

08:55 Opening by Scientific Director – Prof. dr. W.J. (Wybren Jan) Buma

09:10 Prof. Fernando P. Cossio (Universidad del País Vasco, Spain)

*"From particle physics to supramolecular chemistry: Barium tagging in neutrinoless double-beta decay nuclear reactions"*

### **Session 1: HRSMC theme 1: 'Synthesis, Characterisation, Reactivity and Properties of Molecules'**

Chair: Dr. F. (Francesco) Mutti

10:00 Prof. dr. S.A. (Sylvestre) Bonnet (Leiden University)

10:30 Coffee/ tea & Postersession 1

11:20 Verena Sukowski (University of Amsterdam)

*"S,O-ligand promoted meta-C-H arylation of anisole derivatives via palladium/norbornene catalysis"*

11:40 Eva J. Meeus (University of Amsterdam)

*"Enantioselective epoxidation of aromatic olefins by a Co(TAML)-based artificial metalloenzyme"*

### **Session 2: HRSMC theme 2: 'Physical Chemistry and Spectroscopy'**

Chair: Dr. Rik Mom

12:00 Dr. C. (Charusheela) Ramanan (VU Amsterdam)

12:30 Lunch - Postersession 2 starts at 13:00

13:45 Elahe Motaei (Leiden University)

*"Unraveling the Fischer-Tropsch reaction at the atomic level"*

14:05 Nipon Deka (Leiden University)

*"Direct probing of near-surface cations during the oxygen evolution reaction using operando XAS"*

### **Session 3: HRSMC theme 3: 'Theoretical Chemistry'**

Chair: Dr. K.J.H (Klaas) Giesbertz

14:25 Dr. D. (David) Dubbeldam (University of Amsterdam)

*"Multi-scale modeling of adsorptive separation devices"*

14:55 Coffee/ tea & Postersession 3

15:45 Voting for best poster in session 1, 2 and 3

15:50 Daniela Rodrigues Silva (VU Amsterdam)

*"Nature and strength of lewis acid-base pairs"*

16:10 **Dick Stufkens Prijs Award Ceremony**

Introduction by chair of the jury (Prof. dr. E.J.J. Groenen)

16:20 Lecture Winner Dick Stufkens Prijs 2022: Dr. Tessel Bouwens

*"Using supramolecular machinery to enhance the efficiency of photoelectrochemical cells"*

16:50 Poster Prize and Closure

17:00 Reception

18:00 End of symposium and Staff dinner