

## Wednesday, May 24

| Time                 | Title   | Presenter  | Abstract Code |
|----------------------|---|--|---------------|
| <b>13:00 – 15:00</b> | <b>Arrival, registration, and poster mounting.</b><br>Snacks, fruit, and cake with soft drink, coffee & tea               |  |               |
| <b>15:00 – 16:00</b> | <b>Opening session</b>  |  |               |
| 15:00 – 15:15        | Welcome   | <b>Lars Peter Nielsen &amp; Andreas Schramm</b> , Aarhus University, DK      |               |
| 15:15 – 16:00        | Transmembrane electron transport mechanisms through multi-heme cytochromes  | <b>Kevin Rosso</b> , PNNL, USA   | <b>INV01</b>  |
| <b>16:00 – 16:15</b> | <b>Bio-Break</b>  |  |               |
| <b>16:15 – 18:15</b> | <b>Session 1 – Molecules (1)</b>  | Session Chair: <b>Leonor Morgado</b> , Universidade NOVA de Lisboa, Portugal |               |
| 16:15 – 16:45        | Molecular control of the extracellular electron transfer mechanism of porin cytochrome complexes                          | <b>Tom Clarke</b> , University of East Anglia, UK                            | <b>INV02</b>  |
| 16:45 – 17:00        | Characterization of Novel Porin Cytochrome Cluster from <i>Geobacter sulfurreducens</i>                                   | <b>Joshua Burton</b> , University of East Anglia, UK                         | CT01          |
| 17:00 – 17:15        | Pinpointing the role of ExtJ from the outer membrane porin-cytochrome complex ExtHIJKL in <i>Geobacter sulfurreducens</i> | <b>Tomás Fernandes</b> , Universidade NOVA de Lisboa, Portugal               | CT02          |
| 17:15 – 17:30        | A cytochrome that facilitates mineral respiration by electroactive bacteria via a tethered-shuttle mechanism              | <b>Benjamin Nash</b> , University of East Anglia, UK                         | CT03          |
| 17:30 – 17:45        | Shedding light on a unique cytochrome from cable bacteria   | <b>Thomas Boesen</b> , Aarhus University, Denmark                            | CT04          |
| 17:45 – 18:15        | Cytochrome polymers appear ubiquitous among prokaryotes   | <b>Edward Egelman</b> , University of Virginia, USA                          | <b>INV03</b>  |
| <b>18:15 – 18:45</b> | <b>Break and hotel check-in</b>   |  |               |
| <b>18:45</b>         | <b>Dinner (Hotel Restaurant)</b>  |  |               |
| <b>20:30</b>         | <b>Hotel lobby bar open (own expense)</b>   |  |               |

| <b>Thursday, May 25</b> |  |  |                      |
|-------------------------|--|--|----------------------|
| <b>Time</b>             | <b>Title</b>   | <b>Presenter</b>   | <b>Abstract Code</b> |
| <b>7:00 – 7:30</b>      | <b>Morning swim (optional)</b>   |  |                      |
| <b>7:30 – 8:30</b>      | <b>Breakfast (Hotel Restaurant)</b>  |  |                      |
| <b>8:30 – 9:45</b>      | <b>Session 2 – Molecules (2)</b>   | Session chair: <b>Jessica van Wonderen</b> , University of East Anglia, UK |                      |
| 8:30 – 9:00             | New insights into the mechanism of long-range conduction in cable bacteria                                       | <b>Filip Meysman</b> , University of Antwerp, Belgium                      | <b>INV04</b>         |
| 9:00 – 9.15             | A novel nickel-sulphur cofactor mediates biological long-distance electron transport in cable bacteria           | <b>Bent Smets</b> , University of Antwerp, Belgium                         | CT05                 |
| 9:15 – 9:45             | Long Range Charge Transport in Proteins  | <b>Stuart Lindsay</b> , Arizona State University, USA                      | <b>INV05</b>         |
| <b>9:45 – 10:15</b>     | <b>Coffee Break (Poster Room)</b>  |  |                      |
| <b>10:15 – 11:45</b>    | <b>Session 3 – Organisms (1)</b>   | Session Chair: <b>Ian Marshall</b> , Aarhus University, DK                 |                      |
| 10:15 – 10:45           | Microbial Physiology in Electrosynthesis   | <b>Alfred Spormann</b> , Stanford University, USA & Aarhus University, DK  | <b>INV06</b>         |
| 10:45 – 11:00           | Understanding Extracellular Electron Uptake by Electrotrophic Acetogens from Cathodes using Numerical Simulation | <b>Susmit Chakraborty</b> , Aarhus University, DK                          | CT06                 |
| 11:00 – 11:15           | Spatiotemporal Characterization of the Bioenergetics in Living Cable Bacterial Filaments                         | <b>Tingting Yang</b> , University of Southern California, USA              | CT07                 |
| 11:15 – 11:30           | Comparative genome analysis of electricity-conducting cable bacteria   | <b>Jeanine Geelhoed</b> , University of Antwerp, The Netherlands           | CT08                 |
| 11:30 – 11:45           | Microbial interactions - a nanoSIMS perspective  | <b>Niculina Musat</b> , Aarhus University, Denmark                         | CT09                 |
| <b>11:45 – 12:00</b>    | <b>Group Photo (on the beach)</b>  |  |                      |
| <b>12:00 – 13:00</b>    | <b>Lunch (Hotel Restaurant)</b>  |  |                      |
| <b>13:00 – 14:00</b>    | <b>Walk to Fe Spring / Microscopy of electric microbes (optional)</b>  |  |                      |

## Thursday, May 25 (continued)

| Time                 | Title   | Presenter   | Abstract Code |
|----------------------|---|---|---------------|
| <b>14:00 – 15:00</b> | <b>Session 4 – Organisms (2)</b>  | Session Chair: <b>Falk Harnisch</b> ,<br>Helmholtz Centre for Environmental<br>Research, Germany                  |               |
| 14:00 – 14:30        | Microbes getting electrons from minerals, electrodes, and other microbes (a.k.a. Microbes Eating Rocks) | <b>Annette Rowe</b> ,<br>University of Cincinnati,<br>USA   | <b>INV07</b>  |
| 14:30 – 14:45        | Interaction of Cable Bacteria with Electrodes: Possibilities for Extracellular Electron Transfer        | <b>Kartik Aiyer</b> , Aarhus<br>University, Denmark   | CT10          |
| 14:45 – 15:00        | First steps towards application of cable bacteria in bioprocess engineering                             | <b>Judith Stiefelmaier</b> ,<br>RPTU Kaiserslautern-<br>Landau, Germany   | CT11          |
| <b>15:00 – 18:00</b> | <b>Posters #1 (uneven numbers)</b>  |   |               |
| 15:00 – 15:30        | One minute madness  |   |               |
| 15:30 – 18:00        | Poster session #1 (with coffee, cake & beer)  |   |               |
| 18:00 – 18:15        | <b>Art Presentation: Let's Symbiose and Be With</b>   | <b>Anna Pascó Boltà</b>   |               |
| <b>18.15 - 18.45</b> | <b>Session 5 – Environment &amp; Applications (1)</b>   | Session Chair: <b>Joshua Atkinson</b> ,<br>University of Southern California,<br>USA & Aarhus University, Denmark |               |
| 18:15 – 18:45        | Modeling the syntrophic anaerobic oxidation of methane  | <b>Christof Meile</b> ,<br>University of Georgia,<br>USA  | <b>INV08</b>  |
| <b>18:45 – 19:00</b> | <b>Break</b>  |   |               |
| <b>19:00</b>         | <b>Conference Dinner (Hotel Restaurant)</b>   |   |               |
| <b>21:00</b>         | <b>Hotel lobby bar open (own expense)</b>   |   |               |

| <b>Friday, May 26</b> |   |   |                      |
|-----------------------|---|---|----------------------|
| <b>Time</b>           | <b>Title</b>  | <b>Presenter</b>  | <b>Abstract Code</b> |
| 7:00 – 7:30           | <b>Morning swim (optional)</b>  |   |                      |
| 7:30 – 8:30           | <b>Breakfast (Hotel Restaurant)</b>   |   |                      |
| 8:30 – 9:45           | <b>Session 5 – Environment &amp; Applications (2)</b>   | Session Chair: <b>Ugo Marzocchi</b> , Aarhus University, Denmark              |                      |
| 8:30- 9:00            | Structure and function of cable bacteria in the sediments of Pearl River Delta  | <b>Meiyang Xu</b> , Guangdong Academy of Sciences, China                      | <b>INV09</b>         |
| 9:00 – 12:00          | <b>Posters #2 (even numbers)</b>  |   |                      |
| 9:00 – 9:30           | One minute madness  |   |                      |
| 9:30 – 12:00          | Poster session #2 (with coffee & croissants/danish)   |   |                      |
| 12:00 – 13:00         | <b>Lunch (Hotel Restaurant)</b>   |   |                      |
| 13:00 – 14:30         | <b>Session 5 – Environment &amp; Applications (3)</b>   | Session Chair: <b>Katharina Kujala</b> , University of Oulu, Finland          |                      |
| 13:00 – 13:30         | Sunlight-promoted electron transfer between semiconducting minerals and microorganisms  | <b>Juan Liu</b> , Peking University, China                                    | <b>INV10</b>         |
| 13:30 – 13:45         | Probing into the Niches of Anode-respiring Microbial Biohybrids using Microsensors  | <b>Ramya Veerubhotla</b> , Aarhus University, Denmark                         | CT12                 |
| 13:45 – 14:00         | Cellulose Based Fungal Biobattery   | <b>Carolina Reyes</b> , Empa, Switzerland                                     | CT13                 |
| 14:00 – 14:15         | Cable bacteria for use in biodegradable electronics   | <b>Koen Wouters</b> , Hasselt University, Belgium                             | CT14                 |
| 14:15 – 14:30         | Natural solar intermittent-powered microbes towards green carbon capture  | <b>Bo Wang</b> , Aarhus University & DTU, Denmark                             | CT15                 |
| 14:30 – 15:00         | <b>Coffee Break (Poster room)</b>   |   |                      |
| 15:00 – 15:45         | <b>Session 5 – Environment &amp; Applications (4)</b>   | Session Chair: <b>Jo Phillips</b> , Aarhus University, Denmark                |                      |
| 15:00 – 15:15         | Enrichment of electroactive bacteria and bioelectrodegradation of real textile wastewater in microbial fuel cell  | <b>Rahul Kandpal</b> , Indian Institute of Technology, Delhi, India           | CT16                 |
| 15:15 – 15:30         | Taking the first steps to reveal the electron transfer mechanisms in multiple syntrophic associations involved in acid degradation at high ammonia conditions | <b>Maria Westerholm</b> , Swedish University of Agricultural Sciences, Sweden | CT17                 |
| 15:30 – 15:45         | Dynamic configuration assessment of a Microbial Fuel Cell stack/cascade fed on human urine  | <b>Ioannis Ieropoulos</b> , University of Southampton, UK                     | CT18                 |
| 15:45 – 16:00         | <b>Concluding remarks</b>   | <b>Lars Peter Nielsen</b> , Aarhus University, Denmark                        |                      |