

# STEPsCon 2018 - International Scientific Conference on Sustainability and Innovation

7 December 2018, Leverkusen, Germany

|             |      |                                                                                                 |                               |                 |                                            |                         |                                       |                                                                |                      |                                                   |                        |                              |                         |                         |  |
|-------------|------|-------------------------------------------------------------------------------------------------|-------------------------------|-----------------|--------------------------------------------|-------------------------|---------------------------------------|----------------------------------------------------------------|----------------------|---------------------------------------------------|------------------------|------------------------------|-------------------------|-------------------------|--|
| 08:30       |      | Registration open from 08:30                                                                    |                               |                 |                                            |                         |                                       |                                                                |                      |                                                   |                        |                              |                         |                         |  |
| Plenary     |      | Chair: Matthias Hochgürtel                                                                      |                               |                 |                                            |                         |                                       |                                                                |                      |                                                   |                        |                              |                         |                         |  |
| 09:00       |      | Welcome Reception                                                                               |                               | 1) Uwe Richrath | Lord Mayor of Leverkusen                   | 2) Kyösti Oikarinen     | Chairman of Oulu City Executive Board |                                                                |                      |                                                   |                        |                              |                         |                         |  |
| 09:15       |      |                                                                                                 |                               | 3) Klaus Becker | Vice President of TH Köln                  | 4) Arto Maaninen        | Vice Rector, University of Oulu       |                                                                |                      |                                                   |                        |                              |                         |                         |  |
| 09:30       | L01  | Eric L Singsaas                                                                                 | University of Minnesota, USA  |                 |                                            |                         |                                       |                                                                |                      |                                                   |                        |                              |                         |                         |  |
| 09:45       |      |                                                                                                 |                               |                 |                                            |                         |                                       |                                                                |                      |                                                   |                        |                              |                         |                         |  |
| 10:00       | L02  | Vera Eßmann                                                                                     | Covestro AG                   |                 |                                            |                         |                                       |                                                                |                      |                                                   |                        |                              |                         |                         |  |
| 10:15       |      |                                                                                                 |                               |                 |                                            |                         |                                       |                                                                |                      |                                                   |                        |                              |                         |                         |  |
| 10:30       |      | Coffee Break & Poster Session (30 min)                                                          |                               |                 |                                            |                         |                                       |                                                                |                      |                                                   |                        |                              |                         |                         |  |
| Club Rooms  |      | Session 1:<br>Sustainable Medicine and Pharmaceuticals                                          |                               |                 | Session 2:<br>Resources and Bioremediation |                         |                                       | Session 3:<br>Sustainable Chemistry & Industrial Biotechnology |                      | Session 4:<br>Innovative Materials & Formulations |                        |                              |                         |                         |  |
| Morning     |      | Chair: Stéphan Barbe                                                                            |                               |                 |                                            | Chair: Astrid Rehorek   |                                       |                                                                |                      | Chair: Ulrich Schörken                            |                        |                              | Chair: Marc Leimenstoll |                         |  |
| 11:00       | L1.1 | Anatoliy Samoylenko                                                                             | University Oulu               | L2.1            | Katharina Kujala                           | University Oulu         | L3.1                                  | Oliver Thum                                                    | Evonik Creavis GmbH  | L4.1                                              | Riitta L. Keiski       | University Oulu              |                         |                         |  |
| 11:15       |      |                                                                                                 |                               |                 |                                            |                         |                                       |                                                                |                      |                                                   |                        |                              |                         |                         |  |
| 11:30       | L1.2 | Aki Manninen                                                                                    | University Oulu               | L2.2            | Heini Tuulia Postila                       | University Oulu         | L3.2                                  | Martin Schürmann                                               | InnoSyn B.V. (NL)    | L4.2                                              | Heiko Schiffter-Weinle | TH Köln                      |                         |                         |  |
| 11:45       |      |                                                                                                 |                               | L2.3            | Hanna Maria Valkama                        | University Oulu         |                                       |                                                                |                      | L4.3                                              | Timo Bollmann          | TH Köln                      |                         |                         |  |
| 12:00       | L1.3 | Jörn Stitz                                                                                      | TH Köln                       | L2.4            | Yannick Bucklitsch                         | BAV                     | L3.3                                  | Tanja Meyer                                                    | BBE Pilot Plant (BE) | L4.4                                              | Aron Kneer             | TinniT Technologies GmbH     |                         |                         |  |
| 12:15       |      |                                                                                                 |                               | L2.5            | Christoph Steiner                          | TH Köln                 | L3.4                                  | Petri Tervasmäki                                               | University Oulu      |                                                   |                        |                              |                         |                         |  |
| 12:30       |      | Lunch (90 min) & Group picture                                                                  |                               |                 |                                            |                         |                                       |                                                                |                      |                                                   |                        |                              |                         |                         |  |
| Afternoon 1 |      | Chair: Antonia Lavrentieva                                                                      |                               |                 |                                            | Chair: Katharina Kujala |                                       |                                                                |                      | Chair: Matthias Eisenacher                        |                        |                              |                         | Chair: Riitta L. Keiski |  |
| 14:00       | L1.4 | Karen Jülicher                                                                                  | TH Köln                       | L2.6            | Uzair Akbar Khan                           | University Oulu         | L3.5                                  | Stefan Westhues                                                | Covestro AG          | L4.5                                              | Sven Behnke            | CUT Membrane Technology GmbH |                         |                         |  |
| 14:15       | L1.5 | Stéphan Barbe                                                                                   | TH Köln                       |                 |                                            |                         |                                       |                                                                |                      |                                                   |                        |                              |                         |                         |  |
| 14:30       | L1.6 | Ian Johnson                                                                                     | Miltenyi Biotec GmbH          | L2.7            | Christian Wolf                             | TH Köln                 | L3.6                                  | Katja Lappalainen                                              | University Oulu      | L4.6                                              | Birgit Glösen          | TH Köln                      |                         |                         |  |
| 14:45       |      |                                                                                                 |                               | L2.8            | Matthias Balsam                            | Bayer AG                | L3.7                                  | Christian Zerhusen                                             | TH Köln              | L4.7                                              | Oana Schramm           | TH Köln                      |                         |                         |  |
| 15:00       |      | Coffee Break & Poster Session (30 min)                                                          |                               |                 |                                            |                         |                                       |                                                                |                      |                                                   |                        |                              |                         |                         |  |
| Afternoon 2 |      | Chair: Aki Manninen                                                                             |                               |                 |                                            | Chair: Michael Bongards |                                       |                                                                |                      | Chair: Katja Lappalainen                          |                        |                              |                         | Chair: Jan Wilkens      |  |
| 15:30       | L1.7 | Tobias Schleuss                                                                                 | Sartorius Stedim Biotech GmbH | L2.9            | Elisangela Heiderscheidt                   | University Oulu         | L3.8                                  | Axel Kraft                                                     | Fraunhofer UMSICHT   | L4.8                                              | Prem Kumar Seelam      | University Oulu              |                         |                         |  |
| 15:45       |      |                                                                                                 |                               | L2.10           | Himanshu Himanshu                          | TH Köln                 |                                       |                                                                |                      | L4.9                                              | Rainer Ostermann       | Westfälische Hochschule      |                         |                         |  |
| 16:00       | L1.8 | Antonia Lavrentieva                                                                             | University of Hannover        | L2.11           | Niloofer Raeyatdoost                       | TH Köln                 | L3.9                                  | Annu J. Rusanen                                                | University Oulu      |                                                   |                        |                              |                         |                         |  |
| 16:15       |      |                                                                                                 |                               | L2.12           | Robin Eccleston                            | TH Köln                 | L3.10                                 | Jonas M. Vosberg                                               | TH Köln              | L4.10                                             | Maresa Sonnabend       | TH Köln                      |                         |                         |  |
| 16:30       |      | Get together with Drinks & Finger Food & Concluding remarks: Stéphan Barbe & Sakari Jussi-Pekka |                               |                 |                                            |                         |                                       |                                                                |                      |                                                   |                        |                              |                         |                         |  |

**Fakultät für Angewandte  
Naturwissenschaften**

Campus Leverkusen

**STEPs**  
Institute of  
Sustainable Technologies  
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