

Program

Methodologies for Digital Life – Focus on Metabolic Systems

Date: 6. October, 2017

Location: Hotel Terminus, Bergen

| Time | Speaker |
|--------------|---|
| 09:00 | Registration & coffee |
| 09:20 | Welcome |
| | <i>DLN session – Chair: Rune Kleppe</i> |
| 09:25 | Nello Blaser, Department of Mathematics, UiB <i>Model reduction under parameter uncertainty</i> |
| 09:55 | Eivind Almaas, Department of Biotechnology, NTNU <i>RAMP – a method for handling uncertain data in genome-scale modeling</i> |
| 10:25 | Jon Olav Vik, Department of Animal and Aquacultural Sciences, NMBU <i>Can we calculate what to feed farmed salmon?</i> |
| 10:55 | <i>Coffee break</i> |
| 11:15 | Volterra lecture by Bernhard Palsson Department of Bioengineering, UCSD & Novo Nordisk Foundation Center for Biosustainability, Technical University of Denmark Chair: Kjetill J. Jakobsen |
| 12:15 | <i>Lunch</i> |
| 13:15 | Peter Ruoff , Centre for Organelle Research, UiS <i>The Kinetics of Biological Control</i> Chair: Rune Kleppe |
| 13:50 | <i>Poster session with coffee</i> |
| | <i>Minisymposium – Chair: Fatemeh Z. Ghavidel</i> |
| 14:30 | Stine M. Ulven, UiO <i>Systems biology in dietary intervention studies - comprehensive understanding of fat quality on cardiometabolic health</i> |
| 14:45 | Emil Karlsen, NTNU <i>A method for dynamic flux balance analysis with global constraints</i> |
| 15:00 | Tjasa Kumelj, NTNU <i>Metabolic engineering of genome scale metabolic reconstruction of <i>Streptomyces coelicolor</i> (<i>S.coelicolor</i>)</i> |
| 15:15 | Maksim Zakhartsev, NMBU <i>Energy-centric metabolic modelling</i> |
| 15:30 | TBA |
| 15:50 | Closing remarks |