## Program of e-Symposia

**Friday, 19.02.2021**
**16:00 - 17:45 (CET)**

**Chemical Biology and Drug Discovery** - *DMCCB division of the Swiss Chemical Society*

- **16:00 - 16:05**
  - Welcome note by chairs of the symposium
  - Christian Heinis (EPFL - CH)

- **16:05 - 16:35**
  - Nina Hartrampf (UZH - CH)
  - Flow-based Synthesis of Chemically Modified Peptides and Proteins

- **16:35 - 16:55**
  - Vanessa Pierroz (Promega) - Industry talk
  - *Promega’s 3-in-one assay to study autophagy: Autophagy LC3 HiBiT Reporter Assay System*

- **16:55 - 17:05**
  - Lorenzo Lafranchi (Karolinska Institutet - SE) - Selected from abstracts. Poster#31
  - *Universal Single-Residue Terminal Labels for Fluorescent Live Cell Imaging of Microproteins*

- **17:05 - 17:35**
  - Stefan Knapp (Johann Wolfgang Goethe University Frankfurt am Main - DE)
  - *Targeting protein scaffolding function in kinases*

- **17:35 - 17:45**
  - Q&A and closing remarks

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**Endocrine interactions** - *LS2 Molecular & Cellular Biosciences Section*

**System Biology and Molecular Medicine** - *LS2 Systems Biology Section*

**Precision Pharmacology: Translating Today’s Discoveries into Tomorrow’s Therapies** - *SSEP*
TOR signaling in Health, Disease and Ageing

16:00 - 16:05 Welcome note by chairs of the symposium
Robbie Joséph Loewith (UNIGE - CH) & Claudio De Virgilio (UNIFR - CH)

16:05 - 16:30 Estela Jacinto (Rutgers University - US)
**mTORC2 and the hexosamine pathway in T cell development and lymphoma**

16:30 - 16:55 Matthias Wymann (University of Basel - CH) - Sponsored talk
*Targeting the phosphoinositide 3-kinase / target of rapamycin pathway in cancer, immunity, metabolism and neurodegenerative disease*

16:55 - 17:05 Chloé Roffay (university of Geneva) - Selected from abstracts. Poster #14
**Active regulation of the passive coupling between membrane tension and cell volume changes**

17:05 - 17:15 Constantinos Demetriades (Max Planck Institute for Biology of Ageing - DE) - Selected from abstract. Poster #44
*A novel mTORC1-GRASP55 signaling axis reshapes the extracellular proteome upon stress*

17:15 - 17:40 Joseph Baur (University of Pennsylvania - US)
*Adipocyte mTORC1 maintains systemic lipid homeostasis*

17:40 - 17:45 Q&A and closing remarks

Endocrine Interactions

16:00 - 16:05 Welcome note by chairs of the symposium
Thomas Lutz (UZH - CH)

16:05 - 16:35 Hans-Rudolf Berthoud (Pennington Center in Baton Rouge - US)
*Gut-Brain Communication and Bariatric Surgery*

16:35 - 16:40 Lavinia Boccia (University of Zurich - CH) - Selected from abstracts. Poster #55
*Role of CGRP LPBN neurons in the mediation of amylin’s and sCT’s anorectic effect*

16:40 - 16:45 Tomaz Martini (University of Fribourg - CH) - Selected from abstracts. Poster #59
*Glial Per2 regulates mood-related behaviour in mice*

16:45 - 16:55 Marie Labouesse (University of Zurich - CH and Columbia University - US). Selected from abstracts. Poster #57
*New players in the brain circuits of movement: D1 axonal collaterals act as a second “direct” pathway to support motor control*

16:55 - 17:25 Christina Boyle (UZH - CH)
*Influence of obesity during pregnancy on the mother’s mental and metabolic health*

17:25 - 17:40 Q&A

17:40 - 17:45 Closing remarks
**Systems Biology and Molecular Medicine**

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<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker,Sponsor (Institution)</th>
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<td>16:00 - 16:05</td>
<td><strong>Welcome note by chairs of the symposium</strong></td>
<td>Yolanda Schaerli (UNIL-CH) &amp; Attila Becskei (UNIBAS-CH)</td>
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<td>16:05 - 16:35</td>
<td><strong>Applications of Multiplexed AnchorSeq insertion site sequencing: from functional genomics to Covid-19 diagnostics</strong></td>
<td>Michael Knop (University of Heidelberg - DE)</td>
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<td>16:35 - 16:45</td>
<td><strong>Mechanisms of size uniformity during animal growth</strong></td>
<td>Benjamin Towbin (University of Bern - CH). Selected from abstracts. Poster #74</td>
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<td>16:45 - 17:00</td>
<td><strong>Integrated multiomics unravels metabolic diet-microbiota-host interactions</strong></td>
<td>Maria Zimmermann-Kogadeeva (EMBL Heidelberg - DE). Selected from abstracts. Poster #75</td>
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<td>17:00 - 17:30</td>
<td><strong>Modulation of protein synthesis during cellular and organismal life</strong></td>
<td>Mihaela Zavolan (Biozentrum, UNIBAS-CH)</td>
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**Precision Pharmacology: Translating Today’s Discoveries into Tomorrow’s Therapies**

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<td><strong>Precision pharmacology in ocular diseases (gene therapy)</strong></td>
<td>Sonja Kleinlogel (UNIBE - CH)</td>
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<td><strong>Engaging skeletal muscle for healthy aging: lifestyle and pharmacological interventions</strong></td>
<td>Christoph Handschin (UNIBA - CH)</td>
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<td>16:45 - 16:55</td>
<td><strong>Circadian traits as quantitative biomarkers in diabetes</strong></td>
<td>Ngoc-Hien Du (University of Zurich). Selected from abstracts. Poster #72</td>
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<td><strong>Employing complex 3D co-culture models and mathematical modeling to optimize multidrug combinations and boost colorectal carcinoma treatment</strong></td>
<td>George M. Ramzy (University of Geneva - CH). Selected from abstracts. Poster #22</td>
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<td><strong>Precision pharmacology in cancer immunotherapy</strong></td>
<td>Carole Bourquin (UNIGE - CH)</td>
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