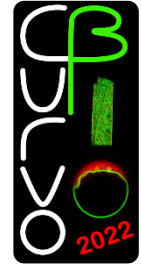


# CurvoBio 2022

– **PRELIMINARY PROGRAM**–



24<sup>th</sup>-26<sup>th</sup> August 2022  
Berlin, Germany

**24/08/2022**

10h – 10h30	Welcome
10h30 – 10h45	Opening Remarks
10h45 – 12h15	<b>Part I – Membrane geometries and functions</b> <b>Rumiana Dimova</b> – MPI-CI Potsdam, Germany - <i>Biomembranes and Giant vesicles</i> <b>Dimitrios Stamou</b> - University of Copenhagen, Denmark - <i>Membrane geometry and protein interaction</i> <b>Marija Jankunec</b> - Vilnius University, Lithuania - <i>Topology and mechanical properties of bio-surfaces</i>
12h15 – 13h30	LUNCH break
13h30 – 15h30	<b>Part II – Cellular membranes and single cells</b> <b>Feng-Ching Tsai</b> - Curie Institute, France - <i>Curvature sensing and filopodia formation</i> <b>Joachim Moser Von Filseck</b> - University of Heidelberg, Germany - <i>Cryo-EM - membrane fission and curvature</i> <b>Ewa Sitarska</b> - EMBL, Germany - <i>Cell migration and membrane curvature</i>  <b>Selected speaker</b>
15h30 – 16h	Coffee break
16h – 17h	<b>Part III – Nature and environment</b> <b>Karola Dierichs</b> – MPI-CI Potsdam, Germany - <i>Architectural research and design</i> <b>Selected speaker</b>
17h – 19h	<b>Poster session</b>
19h	<b>DINNER</b>

**25/08/2022**

9h – 10h30	<b>Part IV – Tissues and collective behavior of cells</b> <b>Monika Dolega</b> - IAB Grenoble, France - <i>Mechanical forces on epithelium</i>
------------	---

**Kay Schneitz** - Technical University of Munich, Germany

**Selected speaker**

- 10h30 – 11h *Coffee break*
- 11h – 12h30 **Berenike Maier** - University of Köln, Germany - *Mechanical forces on biofilms*  
**Marek Cebecauer** - Institute of Physical Chemistry, Czech Republic - *Nanotopography of T-cell microvilli*  
**Selected speaker**
- 12h30 – 13h30 LUNCH break
- 13h30 – 15h **Poster session**
- 15h – 16h30 **Part V – Modelling curvature and its effects**  
**Roman Vetter** - ETH Zürich, Switzerland - *Filaments morphogenesis*  
**Ljubica Velimirovic** - University of Niš, Serbia - *Differential geometry*  
**Selected speaker**
- 16h30 – 17h *Coffee break*
- 17h **Networking and Social activity: Guided Tour of Dahlem Campus**

**26/08/2022**

- 9h30 – 10h30 **Part VI – Artificial models**  
**Uroš Tkalec** - University of Ljubljana, Slovenia - *Liquid crystals and topological defects*  
**Vasileios Vavourakis** - University of Cyprus - *In-Silico Modelling*
- 10h30 – 11h *Coffee break*
- 11h – 12h **Part VII – Controlling and quantifying curvature**  
**Marcelo Dias** - University of Edinburgh, UK - *Mechanical Metamaterials, kirigami and morphing structures*  
**Selected speaker**
- 12h – 13h30 LUNCH break
- 13h30 – 15h **Part VII (continue) – Controlling and quantifying curvature**  
**Felix Sima** - National Institute for Laser, Romania - *Laser technologies*  
**Lorenzo Guiducci** - Matters of Activities, Germany - *Engineering and biology*  
**Selected speaker**
- 15h – 15h30 *Concluding remarks*