



# Center for Computational and Theoretical Biology



January 13<sup>th</sup>, 2015

Biozentrum Würzburg A102

Inaugural Lecture Series Four

- |       |   |
|-------|---|
| 08:30 | Philip Greulich (University of Cambridge)<br>Stem cell fate dynamics in adult tissues   |
| 09:00 | Henry Herce (Rensselaer Polytechnic Institute, New York)<br>Efficient delivery of drugs and biomarkers by rationally designed cell-penetrating peptides                                       |
| 09:30 | Franziska Matthäus (Universität Heidelberg)<br>How do cells know where to go?<br><br><span style="color: #6aa84f;">Coffee Break</span>  |
| 10:15 | Wolfram Möbius (Harvard University)<br>Spatial expansions of populations in heterogeneous environments  |
| 10:45 | Jens Smiatek (Universität Stuttgart)<br>Electrokinetic transport and the properties of molecular structures in presence of osmolytes<br><br><span style="color: #4682B4;">Coffee Break</span> |
| 11:30 | Vladimir B. Teif (Deutsches Krebsforschungszentrum, Heidelberg)<br>Predicting differential transcription factor binding during cell transitions   |
| 12:00 | Juliane Zimmermann (Rice University, Houston)<br>The role of mechanics in collective and single cell migration  |