



Life Sciences Campus Summer Conference 2023

Let's bring Science to Life !

- 09:00 - 09:15 **Welcome** by CMCB director and conference organizers: Yael Politi, Adele Doyle and Stefanie Schirmeier
- 09:15 - 10:35 **Applied Biology - Chair: Federico Calegari**
 - **Claudia Kathe** (EPFL)
"The neurons that restore walking after paralysis"
 - **Christoph Tondera** (CRTD/ IPF)
"Multimodal conductive hydrogels for next-generation bioelectronics"
 - **Ivan Minev** (MFD)
"Electronic Tissue Technologies for Seamless Biointerfaces"
- 10:35 - 11:00 **Coffee break** / Industry sponsor table
- 11:00 - 12:20 **Organizing Life - Active Matter - Chair: Adele Doyle**
 - **Xingbo Yang** (PoL)
"Biophysics of energy metabolism in vivo"
 - **Alf Honigmann** (BIOTEC)
"How cells make tight junctions"
 - **Ricard Alert** (PoL)
"Frictiotaxis"
- 12:20 - 13:05 **Lunch**
- 13:05 - 14:05 **Poster session**
- 14:05 - 15:20 **Industry Panel - Chair: Michael Schroeder**
 Guests: **Frank Buchholz** (TUD), **Jochen Hampe** (UKD, TUD), **Jörg Opitz** (Fraunhofer IKTS)
- 15:20 - 15:50 **Coffee break** / Industry sponsor table
- 15:50 - 17:10 **Molecules enabling life - Chair: Stefanie Schirmeier**
 - **James Sáenz** (B CUBE)
"Bridging the RNA and lipid worlds: unexpected roles for lipids in RNA regulation"
 - **Ellen Adams** (PoL)
"Solvation Properties in Biomolecular Condensates"
 - **Anna Poetsch** (BIOTEC)
"The Language of DNA"
- 17:10 - 17:30 **Poster awards & Concluding remarks**
- 17:30 **Life Sciences Summer Party**



@CRTD // TU Dresden
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Mitglied
im Netzwerk von:

DRESDEN
concept
SCIENCE AND
INNOVATION CAMPUS



B CUBE
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BIOTEC
Biotechnology Center
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PoL
Physics of Life
TU Dresden

