

The first digit of your poster number leads to your poster room.
The second digit of your poster number leads to your break-out room.

Virtual Poster Session

(listed in order of submission)

- 1.1 **Microfilaments and intermediate filaments contribution to cancer cell migration in physical confinement**
CARLOTTA FICORELLA (Leipzig University, Germany)
- 1.2 **EMT changes actin cortex rheology in a cell-cycle-dependent manner**
KAMRAN HOSSEINI (TU Dresden, Germany)
- 1.3 **Vimentin intermediate filaments mediate cell shape on viscoelastic substrates**
MAXX SWOGER (Syracuse University, USA)
- 1.4 **Lipid-droplet mediated nuclear deformation occurs independently of cytoskeletal forces in hepatocytes**
ABIGAIL LONEKER (University of Pennsylvania, USA)
- 1.5 **3D multicellular spheroids as an in vitro model for bladder cancer: a mechanical and microrheological study by means of atomic force microscopy**
KAJANGI GNANACHANDRAN (Polish Academy of Sciences, Kraków, Poland)
- 2.1 **Compressing cell nuclei: From nonlinear mechanics to nontrivial shapes**
SARTHAK GUPTA (Syracuse University, USA)
- 2.2 **Molecular interactions in semiflexible polymer networks – A science friction story**
PAUL MOLLENKOPF (Leipzig University, Germany)
- 2.3 **Connective tissue and cancer cross-talk: Treatment implications and biomechanical signature?**
HANS KUBITSCHKE (Leipzig University, Germany)
- 2.4 **Fast phenotyping of monocytes mechanics under the cytokine storm**
MAR EROLES (Aix-Marseille Univ., CNRS, Inserm, LAI, Marseille, France)
- 2.5 **Morphology and density reveals prognostic relevance of potentially motile breast cancer cells**
PABLO GOTTHEIL (Leipzig University, Germany)
- 3.1 **Characterization of the mechanical properties of lung adenocarcinoma**
FABIEN DELEBOSSE (Université Grenoble Alpes, France)
- 3.2 **Mechanosensing of primary human breast cells**
EMILIA PEUHU (University of Turku, Finland)
- 3.3 **Local structure determines cell rearrangements in epithelial layers**
JÜRGEN LIPPOLDT (Leipzig University, Germany)
- 3.4 **Hypoxic conditions alter breast cancer cell mechanics and rheology**
BARBARA ZBIRAL (University of Natural Resources and Life Sciences (BOKU), Austria)
- 4.1 **T cell stiffness is enhanced upon formation of immunological synapse**
BIN QU (Saarland University, Germany)
- 4.2 **Modulation of viscoelastical properties of MCF-7 cells by substrate stiffness**
JUAN CARLOS GIL_REDONDO (University of Natural Resources and Life Sciences (BOKU), Austria)
- 4.3 **Geometric parameters of entangled and crosslinked polymer networks determined by tracking embedded DNA nanotubes**
TINA HÄNDLER (Leipzig University, Germany)