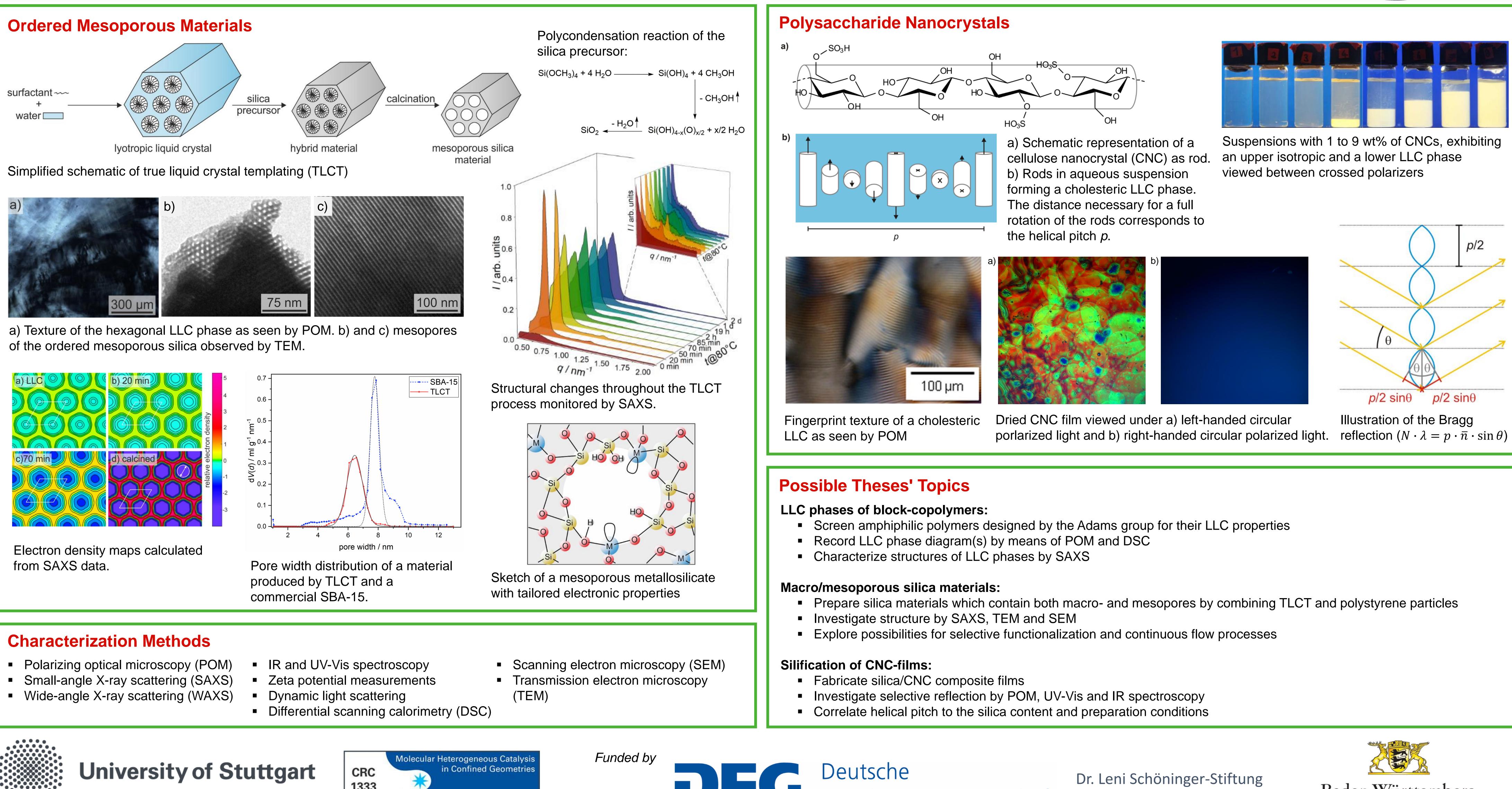


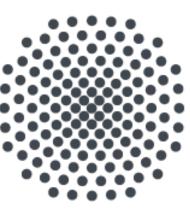
## Bruckner Group **Hierarchically Structured Materials**

Institute of Physical Chemistry

## About us

We use self-assembling systems, mainly lyotropic liquid crystals (LLCs), to fabricate hierarchically structured, functional materials. The long-range orientational order and sometimes also positional order of LLCs makes them an ideal starting ground for the production of nanostructures, while the fluidity of the LLCs allows for an easy handling and the manipulation of the produced material's macroscopic structure. Our research interests comprise the investigation of new LLC systems as starting materials, the synthesis of nanostructured materials and the analysis of their properties as well as functionalities.





Germany



University of Stuttgart

### Dr. Johanna Bruckner Institute of Physical Chemistry johanna.bruckner@ipc.uni-stuttgart.de +49 711 685-64136

# DEFG Deutsche Forschungsgemeinschaft



Baden-Württemberg

STERIUM FÜR WISSENSCHAFT, FORSCHUNG UND KUNST