



JCF

Winter Colloquium

Mo, 18.12.23

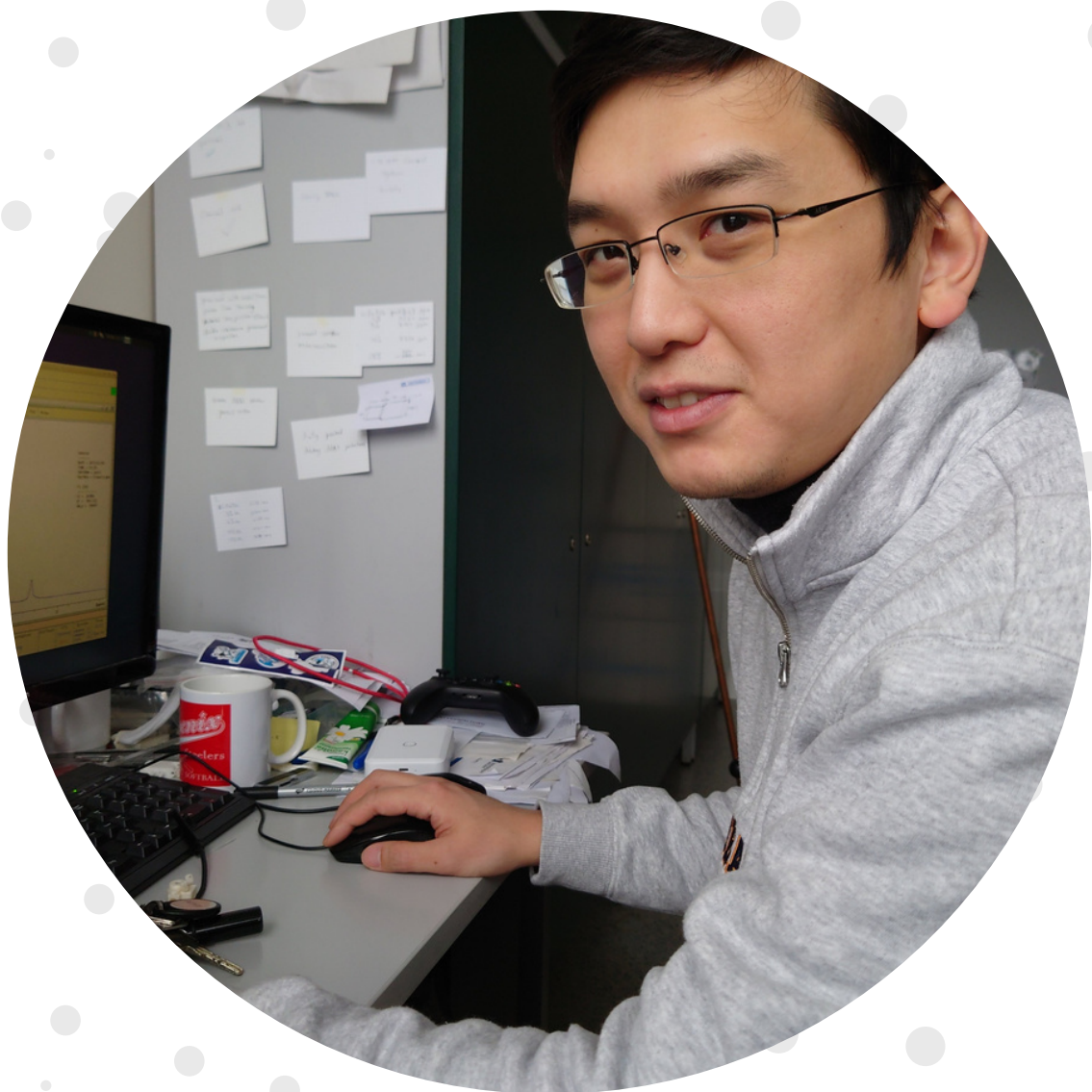
16:30 in AR-F 002

Pre-coffee from 16.00 in AR-H 100

JCF Siegen invites everyone to the research presentations of Ke Xu (PhD student in Inorganic Chemistry) and Aliia Ibragimova (PhD student in Polymer Chemistry).

Join us at the Christmas Market after the event!





KE XU

Ph.D. Student in
Inorganic Materials
Chemistry

Ke Xu is a Ph.D. student from the inorganic materials chemistry group, supervised by Prof. Dr. Jörn Schmedt auf der Günne.

His research is focused on hardware development of NMR spectrometers with a focus on pneumatically driven sample holders. Rapid prototyping by 3D printing enabled him to produce dedicated magic-angle-spinning modules which convert a desktop NMR spectrometer into a high-resolution solid-state NMR spectrometer for paramagnetic compounds. Fast spinning also enabled the generation of conditions which allowed him to study instable emulsions by in-situ NMR for the first time.

Aliia Ibragimova is a Ph.D. student from the macromolecular chemistry group at the University of Siegen, supervised by Prof. Dr. Ulrich Jonas.

Aliia's research is focused on the development, synthesis, and characterization of antifouling, biocompatible photocrosslinking polymers based on polyacrylamide derivatives and poly(2-oxazolines) for bioapplications.



ALIIA IBRAGIMOVA

Ph.D. Student in
Macromolecular
Chemistry