

CRC 235 Summer School 2021 – from students for students

15-17 June – Online

Tue. June 15th

10 am - 12 pm: Chemistry

- Laura Huber (Trapp Gr): Development of the different models in prebiotic chemistry
- Marco Matzka (Schmitt-Kopplin Gr): Organic compounds in meteorites
- Kai Kohler (Trapp Gr): Development on Nucleoside Synthesis
- Olivia Doppleb (Richert Gr): Peptide Synthesis
- Gabrielle Leveau (Richert Gr): RNA world; copying, replication and translation
- Carsten Donau & Judit Sastre (Boekhoven Gr): How can complexity arise through interaction based on supramolecular chemistry?
- Thomas Geisberger (Huber Gr): Reaction control by stable isotope labeling

Wed. June 16th

10 am: Geosciences

- Joanna Brau (Dingwell Gr): Thermal stability of metalorganic compounds in volcanic olivines
- Christina Springklee (Scheu Gr): Basalt alteration (palagonotization) under archean conditions
- Ömer Kürsat Coskun (Orsi Gr): Quantifying the effects of hydrogen on carbon assimilation of seafloor microbes associated with ultramafic rocks
- Ninos Hermis (Braun Gr): Hydrothermal chimney experiment

11 am: Biochemistry (preliminary)

- Deni Szokoli (Mutschler Gr): RNA World
- Christian Schmitt (Jäschke Gr): Illumina Next Generation Sequencing

Thu. June 17th

10 am: Theory

- Beatriz von der Esch (Ochsenfeld Gr) & Severin Angerpointner (Frey Gr): Complexity vs. Simplicity – Getting to Know Molecular Modelling

11 am: Biophysics

- Arthur Ermatov (Liedl Gr): Assembly of DNA/RNA nanostructures
- Florian Katzmeier (Simmel Gr): DNA diffusion phoresis
- Alexandra Kühnlein (Braun Gr): Selection in thermal traps
- Benedikt Peter (Schwille Gr): Synthetic cell membranes