

PROJECT LIST - TU GRAZ ACADEMIC 2022/23 OFFER FOR UNS FACULTY OF SCIENCES
SUMMER SCHOOL OF CHEMISTRY

Project Title	Institute	Supervisor	Contact
Selective biotransformations for the utilisation of renewable resources.	Molecular Biotechnology	Robert Kourist	kourist@tugraz.at
Inhibition of chorismate synthase and crystallization of enzyme-inhibitor complexes.	Biochemistry	Peter Macheroux	peter.macheroux@tugraz.at
Radical and photochemistry applied to materials (polymers, nanoparticles) connected to basic research aspects.	Physical and Theoretical Chemistry	Georg Gescheidt-Demner	g.gescheidt-demner@tugraz.at
Porous materials encapsulating bio-active molecules and proteins. The goal is to synthesize the materials, characterize and evaluate them.	Physical and Theoretical Chemistry	Paolo Falcaro	paolo.falcaro@tugraz.at
Synthesis of organometallic compounds, nanoparticles and materials with an emphasis of analytical characterization.	Inorganic Chemistry	Frank Uhlig	frank.uhlig@tugraz.at
Synthesis of biologically active carbohydrate analogues (glycomimetics). Biological evaluation of glycomimetics for bio/medicinal applications.	Chemistry and Technology of Biobased Systems	Tanja Wrodnigg	t.wrodnigg@tugraz.at