

Lecture Bioinorganic Chemistry (BIC)

Prof. T. Jüstel & Prof. T. Schupp

Summer term 2024

Date and Time

Monday 10.15 am
to be assigned

Contents

Lecture, exercises, and presentations
Lab work

Room

L3
Prof. Schupp's lab

Duration

135 min

For the presentation up to 10 additional points for the exam are achievable

Date	Topic	Student's name	Enrolment #	Lab Work	Additional points
8-Apr-2024	Inorganic Salts in Nutrition Products	Sebastian Jannis Schön	1131086		
15-Apr-2024	Metals in the Earth Crust - Abundance and Bioavailability	Lukas Lemme	1128516		
22-Apr-2024	Magnetite in Biochemistry - Formation and Function	Lukas Harmeling	1126158		
	Biominalisation of Silicates and Carbonates				
22-Apr-2024	Biomaterials in Orthopedic Surgery	Tural Nariman Oglu Abd	1345340		
29-Apr-2024	Selenium and Glutathion Peroxidase	Raphael Steinbach	1155501		
29-Apr-2024	Fe-Regulation by Ferritin and Transferrin	Momo Grimm	1064991		
6-Apr-2024	Inorganic Nanoparticles as Biomarker	Maximilian Teiner	1019959		
6-Mai-2024	Inorganic Nanoparticles for Cancer Therapy	Adeline Kern	1129766		
13-Mai-2024	Photodynamic Therapy	Johanna Haje	1016440		
13-Mai-2024	Rare Earth Metals in Diagnostics	Julia Hopster	1128714		
	Magnetic Interaction in Metal Enzymes				
	Model Complexes for Photosystem II				
	EPR-Spectroscopy in BIC				
	NMR-Spectroscopy in BIC				
	Mößbauer-Spectroscopy in BIC				
	EXAFS and XANES-Spectroscopy in BIC				
	X-ray Structure Analysis of Metal Enzymes				
20-Mai-2024	(Astro)Chemical Evolution of Bio Molecules	Zeeshan Khan	1231634		
	Carboxypeptidase				
20-Mai-2024	Zn(II) and Alcohol Dehydrogenase	Chris Rick Kalinkin	1021886		
27-Mai-2024	Phytomining	Anna Ohlsen	1062968		