

10th Meeting of the Graduate Network - Life, Light and Matter 2023

Location: Seminar Room 110; Research Building of the Department LL&M; Albert-Einstein-Str. 25

Date: 27.01.2023



	Time		Speaker		Lector Topic	Supervisor		
1	09:00	09:10	Prof. Zimmermann	Ralf	Welcome			
2	09:15	09:25	Schröder	Mirjam	Structure and function of single-site catalysts - A multinuclear NMR approach	Profes.	Angelika Björn	Brückner Corzilius
3	09:30	09:40	Parekh	Urvi	Copper sulfide and selenide nanostructures: synthesis and optical properties	Prof.	Christian	Klinke
4	09:45	09:55	Udongwo	Sosoho-Abasi	RF cavities – the engines of particle accelerators	Prof.	Ursula	van Rienen
5	10:00	10:10	Araguirang	Galileo Estopare	When Plants Paint Their Leaves Purple	Prof.	Andreas	Richter
6	10:15	10:25	Grote	Vivica Freiin	Devitalisierung von Knorpel-infiltrierenden Kopf-Hals-Tumoren durch hydrostatischen Hochdruck	Prof.	Rainer	Bader
7	10:30	10:40	Fiedler	Nicklas	Adaptive temporary scaffolds for vascular intervention in congenital heart disease	Prof.	Niels	Grabow
8	10:45	10:50	Richter	Jonas	Hexapod-based 3D confocal microscopy of the cornea	Prof.	Oliver	Stachs
Coffee break								
10:50 - 11:20								
9	11:30	11:40	Dr. Ahmed	Ashour	Application of Computational Chemistry in the Phosphorus research	Prof.	Peter	Leinweber
10	11:45	11:55	Lieberwirth	Eric	Detection of the membrane of vital mitochondria	Profes.	Sylvia Simone	Speller Baltrusch
11	12:00	12:10	Schnell	Georg	Laser-induced self-organized nano- and microstructures for biomimetic surfaces	Prof.	Hermann	Seitz
12	12:15	12:25	Dr. Stähle	Susanne	Ultrashort pulse lasers for biomaterial surface modification in regenerative medicine – cellular adaptation	Prof.	Barbara	Nebe
13	12:30	12:40	Klein Yang	Eugen Bin	Differential fast scanning calorimetry: Does size matter?	Profes.	Christian Olaf	Klinke Kessler
14	12:45	12:55	Kleinschmidt	Uwe	Electrical and thermal conductivity in Earth's core	Prof.	Ronald	Redmer

Lunchtime snack

13:00 - 13:30

15	13:30	13:40	Oldorf	Paul	Laser-formed surface structures for the functionalisation of implant materials in trauma surgery	Dr.	Rigo	Peter
16	13:45	13:55	Schwarz	Carolin	AMMunitiOn exploration by surface- and underwater-based laser mass spectrometric TRACing technology	Prof.	Ralf	Zimmermann
17	14:00	14:10	Chabanovska	Oleksandra	Sarcomeric network analysis of ex vivo cultivated human atrial appendage tissue using super-resolution microscopy	Prof.	Robert	David
18	14:15	14:35	Prof. Müller	Karsten	Material development for hydrogen storage – Progress on the LOHC technology from competence center CALOR at LLM			