Borstel Biomedical Research School, curriculum 2023/2024

Jochen Behrends

Date	Topics	Lecturer	Lecture	Topics	Lecture				
			(approx. 9.15- 12.15 a.m.)		(approx. 13.00 – 15.15 p.m.)				
06.03.2023		Holger Heine	Principles of innate immunity I	General Graduate	- Review on 2022				
		Andra Schromm	Principles of innate immunity II	Assembly	 Annual report of the graduate representatives 				
					Election of graduate representatives and				
					ombudspersons				
03.04.2023	Immunology	Ulrich Schaible	Research Center Borstel: Behind the scenes of the	Andra Schromm	- The road towards a PhD thesis				
	and	Holger Heine	Leibniz Lung Center and	Michael Wegmann	- Modelling Asthma in Mice				
	Cell biology		its global allocation in the scientific community						
			Principles of acquired immunity I: T-lymphocytes						
08.05.2023		Holger Heine	Power-point presentations	Christian Nehls	 How to prepare a perfect poster 				
		Zane Orinska	Principles of acquired immunity II: B-lymphocytes	Nestor González Roldán	 Principles of allergic inflammation 				
			and antibodies	Silke Meiners	How to read a scientific paper				
				Since Wichiers	— пом to read a scientific paper				
05.06.2023									
	Infection		Lecturers and exact program is in preparation						
Additional	and								
Day:	Microbiology	Current aspects of TB research							
12.06.2023			Lecturers and exact program is in preparation						
			Company Dungle						
			Summer Break	•					
04.09.2023		Cordula Stamme	Good Scientific Practice at the Research Center Borstel						
			Principles of infectious pneumonia						
		Thomas Gutsmann	High-resolution microscopic technique: Atomic force microscopy						
	Cytometry	Christian Nehls	Lab demonstration of the Atomic force microscope						
	and		Joint day with the LCI Graduate School, All-day course – Nuclear Magnetic Resonance Spectroscopy and Mass Spectrometry						
09.10.2023	Structural biology	Dominik Schwudke	– How can my research project profit from mass spectrometry?						
	niology	Nicolas Gisch	Introduction to NMR - Theoretical aspects and applications at the FZB						
		Dominik Schwudke & Nicolas Gisch	 Lab tours: Insights into NMR and MS analyses 						
		Thomas Scholzen &	Fluorescence: Indispensable for Microscopy and Flo	w Cytometry					
		Joshan Bahrands	- Habiescence, maispensable for whichoscopy and Fio	w Cytometry					

06.11.2023		Katarzyna Duda	structure of microorganisms Hölscher — Trypanosoma cruzi infections		Holger Heine Sebastian Marwitz	Let's discuss! Discussion culture at the Research Center Borstel Ways to a Postdoc position: discussion of experiences
04.12.2023	Infection and Microbiology	Christoph Hölscher David Hertz			Holger Heine Cordula Stamme Karoline Gaede	 How to deal with scientific literature: Introduction in PubMed, EndNote, Mendeley and other tools How to write a scientific paper Biobanking
08.01.2024	Lung and	Cordula Stamme Sebastian Marwitz	 Innate and acquired pulmonary immunity From images to data: Aspects of imaging techniques for lung research 		Frauke Schocker/ Andra Schromm Frauke Schocker Cordula Stamme Christoph Rehmann- Sutter (Lübeck)	 How does the Research Center Borstel support Good Scientific Practice? DFG codex and guidelines Good Scientific Practice at the Research Center Borstel Scientific misconduct and Good Scientific Practice: ethical perspectives
05.02.2024	Pulmonary diseases	Cordula Stamme Michael Wegmann		nciples of infectious pneumonia mal model of functional analysis of the lung	Silke Meiners Holger Heine	How to read a scientific paper How to organize a scientific meeting
04.03.2024		Espen Groth (Großhanso Silke Meiners Markus Weckmann Susanne Krauss-Etschma	dorf)	Current aspects of COPD and Epigenetics resea - COPD - clinical diagnosis and therapy - Molecular determinants of COPD - Epigenetic determinants in COPD and exacer - N.N.	rch	
25.03.2024	Allergy	Holger Heine Uta Jappe Uta Jappe	- Allergy: Innate consequences for an adaptive disease – how the innate immune system influences allergy and asthma - From allergen extracts to single allergenic components: Issues to improve diagnosis and therapy - Allergy: clinical symptoms – diagnostic procedures – treatment		Ilka Monath Nina Grohmann/Silke Meiners Torsten Stachelhaus (Ascenion)	 Using animals in research: requirements and legal issues Short overview on gender equality and compatibility of family and career Intellectual property rights
* Mandator	y for all PhDs re	egistered at UzL, starting		1.04.2021, for all others mandatory starting a	ifter October 2022	