Borstel Biomedical Research School, Curriculum 2021

Date	Topics	Lecturer	Lectures (approx. 9:15 – 12:15)	Lecturer	Soft Skills (approx. 13:15 – 16:15)		
18.01.2021	Immunology and Cell Biology	Zane Orinska	Principles of acquired immunity II: B-lymphocytes and antibodies	Bettina Brand Christian Nehls	Organisation of a scientific meetingHow to prepare a perfect poster		
01.02.2021	Cytometry and	Dominik Schwudke Sven Müller-Loennies & Nicolas Gisch	Joint day with the LCI Graduate School, All-day course – Nuclear Magnetic Resonance Spectroscopy and Mass Spectrometry – How can my research project profit from Mass Spectrometry? – Modern Nuclear Magnetic Resonance (NMR)-Spectroscopy in the analysis of molecular structures and complexes				
22.02.2021	Structural Biology Jochen Behrends Christian Nehls/Thomas Gutsmann - Fluorescence: Indispensable for Microscopy and Flow Cytometry - High-resolution microscopic technique: Atomic force microscopy						
29.03.2021		Gabriele Schramm Christoph Hölscher David Hertz	Immunomodulation by parasites Trypanosoma cruzi infections Sex matters. Influence of sex on infectious diseases	Andra Schromm General Graduate Assembly (graduate representatives)	 The road towards a PhD thesis Overview of 2020 Election of new graduate representatives and ombudspersons 		
03.05.2021		Katarzyna Duda Uwe Mamat	Basic principles in microbiology: composition and structure of microorganisms Virulence and pathomechanisms	NEW! Sebastian Marwitz	Ways to a Postdoc position: discussion of experiences		
07.06.2021	Infection and Microbiology	Christoph Lange – Tuberculosis – a patient's perspective					
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Summer Break

Date	Topics	Lecturer	Lectures (approx. 9:15 – 12:15)	Lecturer	Soft Skills (approx. 13:15 – 16:15)
06.09.2021	ı	Cordula Stamme	Innate and acquired pulmonary immunity in infection	Torsten Stachelhaus (Ascenion)	Intellectual property rights
		NEW!!		Ilka Monath	 Using animals in research: requirements and legal
	Lung	Sebastian Marwitz	 From images to data: Aspects of imaging techniques 		issues
	and Pulmonary		for lung research	Ilka Monath	 Short overview on gender equality and compatibility of family and career
27.09.2021	Diseases	Cordula Stamme	 Principles of infectious pneumonia 	Holger Heine	 Power-Point-Presentations
		Michael Wegmann	Animal model of functional analysis of the lung	Holger Heine	 Let's discuss! Discussion culture at the Research Center Borstel
01.11.2021		Gabriele Schramm Nestor González	Principles of allergic inflammation I Principles of allergic inflammation II	Cordula Stamme Holger Heine	- How to write a scientific paper - How to deal with scientific literature:
		Roldán	Timespes of anergic illiamination il		Introduction in PubMed, EndNote, Mendeley and other tools
06.12.2021	Allergy	Holger Heine	Allergy: Innate consequences for an adaptive disease – how the innate immune system influences allergy and asthma	Frauke Schocker/ Andra Schromm Cordula Stamme	How does the Research Center Borstel support Good Scientific Practice? Good Scientific Practice at the Research Center Borstel
		Uta Jappe	Allergy: Clinical symptoms – diagnostic procedures – treatment	Christoph Rehmann- Sutter (Lübeck)	Scientific misconduct and Good Scientific Practice: ethical perspectives
		Uta Jappe	From allergen extracts to single allergenic components: Issues to improve diagnosis and therapy		