

Borstel Biomedical Research School, Curriculum 2018-2019

Dates		Lectures (9:15 – 12:15)		Soft Skills (13:15 – 18:15)	
		Lecturer	Topic	Lecturer	Topic
15.01.18	Lung and Pulmonary diseases	Cordula Stamme Heinz Fehrenbach	<ul style="list-style-type: none"> – Innate and acquired pulmonary immunity – Lung histology 	Bettina Brand	<ul style="list-style-type: none"> – Organisation of a scientific meeting
05.02.18		Cordula Stamme Michael Wegmann	<p>Joint day with the LCI Graduate School: Seminar day – Pulmonary Diseases</p> <ul style="list-style-type: none"> – Principles of infectious pneumonia – Animal model of functional analysis of the lung 	Holger Heine General Graduate Assembly	<ul style="list-style-type: none"> – How to improve discussion skills – Review on 2017 – Annual report of the graduate representatives – Election of graduate representatives and ombudsperson
05.03.18	Allergy	Gabriele Schramm & Nestor González Roldán (starting 2019)	<ul style="list-style-type: none"> – Principles of allergic inflammation 	Cordula Stamme Thomas Gutsmann	<ul style="list-style-type: none"> – How to write a scientific paper – How to prepare a perfect poster
09.04.18		Holger Heine Uta Jappe Uta Jappe	<p>Joint day with the LCI Graduate School – Clinical allergology: asthma, atopy and food allergies</p> <ul style="list-style-type: none"> – 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 	Holger Heine	<ul style="list-style-type: none"> – Power-Point-Presentations
07.05.18	Immunology and Cell biology	Holger Heine Andra Schromm	<ul style="list-style-type: none"> – Principles of innate immunity 	Norbert Reiling In cooperation with André Schaffer	<ul style="list-style-type: none"> – The day after you have received your PhD – Successful strategies how to get a new job
04.06.18		Zane Orinska	<ul style="list-style-type: none"> – Principles of acquired immunity II: B-lymphocytes and antibodies 	Stefan Ehlers Andra Schromm	<ul style="list-style-type: none"> – Introduction to the Borstel Research Center – The road towards a PhD thesis
27.08.18		Holger Heine	<ul style="list-style-type: none"> – Principles of acquired immunity I: T-lymphocytes 	Ilka Monath Nina Grohmann	<ul style="list-style-type: none"> – Using animals in research: requirements and legal issues – Short overview on gender equality and compatibility of family and career
24.09.18	Cytometry, and Structural biology	Thomas Scholzen, Jochen Behrends Thomas Gutsmann	<ul style="list-style-type: none"> – Fluorescence: Indispensable for Microscopy and Flow Cytometry – High-resolution microscopic technique: Atomic force microscopy 		
05.11.18		Dominik Schwudke Sven Müller-Loennies & Nicolas Gisch	<p>Joint day with the LCI Graduate School, All-day course – Nuclear Magnetic Resonance Spectroscopy and Mass Spectrometry</p> <ul style="list-style-type: none"> – How can my research project profit from mass spectrometry? – Modern Nuclear Magnetic Resonance (NMR)-Spectroscopy in the analysis of molecular structures and complexes 		

03.12.18	Infection and Microbiology	Katarzyna Duda Uwe Mamat	<ul style="list-style-type: none"> – Basic principles in microbiology: composition and structure of microorganisms – Virulence und pathomechanisms 	Frauke Schocker/ Andra Schromm Cordula Stamme Christoph Rehmann-Sutter (Lübeck)	<ul style="list-style-type: none"> – How does the Research Center Borstel support Good Scientific Practise? – Good scientific practice in Borstel – Scientific misconduct and good scientific practice: ethical perspectives
14.01.19		Gabriele Schramm Christoph Hölscher	<ul style="list-style-type: none"> – Immunomodulation by parasites – Trypanosoma cruzii infections 	General Graduate Assembly Bettina Brand	<ul style="list-style-type: none"> – Review on 2018 – Annual report of the graduate representatives – Election of graduate representatives and ombudsperson – Organisation of a scientific meeting
04.02.19		Christoph Lange Christoph Hölscher N. N. Stefan Niemann Sven Müller-Loennies/ Norbert Reiling Ulrich Schaible Christoph Lange	<p>Joint day with the LCI Graduate School: Seminar day – Tuberculosis</p> <ul style="list-style-type: none"> – Tuberculosis – a patient’s perspective – Introduction: Tuberculosis – a global health threat (epidemiology, pathogenesis, animal models for research, current issues) – Microbiological diagnosis of mycobacterial infections, current status of drug resistance – Mycobacterium tuberculosis complex: genetics, molecular epidemiology, population structure, genomic and transcriptomic analyses – Structural biology of the mycobacterial cell wall – Mycobacterium tuberculosis: life inside the macrophage – Mechanisms of killing Mycobacterium tuberculosis: imaging in culture and in vivo – Clinical Diagnosis and Treatment of TB: Current Challenges and Networks 		
04.03.19	Lung and Pulmonary diseases	Cordula Stamme Heinz Fehrenbach	<ul style="list-style-type: none"> – Innate and acquired pulmonary immunity – Quantitative histology 	N. N. Torsten Stachelhaus (Ascenion)	<ul style="list-style-type: none"> – Bibliometrics, Publishing & Open Access – Intellectual property rights
01.04.19		Cordula Stamme Michael Wegmann	<p>Joint day with the LCI Graduate School: Seminar day – Pulmonary Diseases</p> <ul style="list-style-type: none"> – Principles of infectious pneumonia – Animal model of functional analysis of the lung 	Holger Heine Bianca Schneider	<ul style="list-style-type: none"> – How to improve discussion skills – Ways to a post doc position: discussion of experiences
06.05.19	Allergy	Gabriele Schramm, Frank Petersen	<ul style="list-style-type: none"> – Principles of allergic inflammation 	Cordula Stamme Thomas Gutsmann	<ul style="list-style-type: none"> – How to write a scientific paper – How to prepare a perfect poster
03.06.19		Holger Heine Uta Jappe Uta Jappe	<p>Joint day with the LCI Graduate School – Clinical allergology: asthma, atopy and food allergies:</p> <ul style="list-style-type: none"> – 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 	Holger Heine Norbert Reiling In cooperation with Andre Schaffer	<ul style="list-style-type: none"> – Power-Point-Presentations – The day after you have received your PhD – Successful strategies how to get a new job