

Programme LISA Summer Academy 2025



| Sunday Aug. 24 th | Welcome evening TWINCORE: Lobby, Terrace | |
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| 16:00-17:00 | Registration, welcome | |
| 17:00-19:00 | Happy hour: drinks and snacks | |

| Monday Aug. 25 th | Pathogen sensing, mouse models, PhD Programs (HBRS), career - TWINCORE: Seminar room 0020 | |
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| 09:00-10:15 | Ulrich Kalinke | Welcome & Overview |
| | Melanie Brinkmann | License to sense: pathogen detection by the innate immune system |
| 10:15-10:45 | Coffee Break (30 minutes) | |
| 10:45-11:45 | Niko Föger | Novel regulatory themes in TLR4-mediated inflammation |
| | Jenny Kühne | Genetic mouse models |
| 12:00-13:30 | Lunch with Speakers (90 minutes) | |
| 13:30-14:30 | Susanne Kruse, Gaby Froriep | HBRS PhD Programs, Mol Med PhD Program, Reg. Sciences PhD Program, ZIB PhD Program |
| | PhD Students (Angela, Aparna, Athira) | "How to find a PhD program": Experience reports and discussion |
| 14:30-15:00 | Coffee Break (30 minutes) | |
| 15:00-16:00 | Orientation Tour MHH campus - Susanne Kruse | |
| 16:00-17:00 | Martin Kohn, Octopharma GmbH | Career options |
| 17:00-18:30 | LISA invites: Snacks, happy hour | |

| Tuesday Aug. 26 th | Induction of pathogen-specific immunity TWINCORE: Seminar room 0020 | |
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| 9:00-10:00 | Berislav Bosnjak | Insights in pathogen-specific immune responses using CRISPR/Cas9 system |
| | Julia Rebecca Port | TBA |
| 10:00-10:15 | Coffee Break (15 minutes) | |
| 10:15-11:45 | Nico Lachmann | Macrophages meet regenerative science and infection medicine |
| | Sarina Ravens | Development and postnatal maturation of gamma delta T cells |
| | Lennart Rösner | T-cells and antigen-presenting cells in chronic cutaneous inflammation |
| 11:45-13:15 | Lunch with Speakers (90 minutes) | |
| 13:15-14:45 | Georg Behrens | Immunity against SARS-CoV-2 |
| | Kyeong-Hee Lee | Immune modulation by regulatory B cells |
| | Abel Viejo-Borbolla | Modulation of natural killer cells by human cytomegalovirus |
| 14:45-15:00 | Coffee Break (15 minutes) | |
| 15:00-16:30 | Students Poster Presentation I (Annett Ziegler/Andreas Pavlou) | |
| 16:30-17:30 | Gülşah Gabriel Leibniz Institute of Virology (LIV), Hamburg | TBA |
| 17:30-18:30 | LISA invites: Snacks, happy hour | |

| Saturday, Aug. 30 th | | |
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| 15:00-17:00 | City Tour Hannover | |
| 17:30 - open end | „Beer garden“ Seebiergarten Maschsee, get together with HBRS students | |

| Sunday, Aug. 31 st | | |
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| FREE | | |

| Sept. 1 st – Sept. 5 th | | Lab Rotations I |
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| Thursday Sept. 4 th TC room 0020 & lobby | 17:00-18:00 | Closing remarks, round table discussion & Feedback |
| | 18:00-19:00 | LISA invites: Happy Hour & Snacks |

| Wednesday Aug. 27 th | Infection of organs TWINCORE: Seminar room 0020 | |
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| 9:00-10:00 | Armin Braun | Neuroimmune interactions in allergic asthma |
| | Anna-Maria Dittrich | Characteristics, determinants and modulation of CF lung inflammation |
| 10:00-10:30 | Coffee Break (30 minutes) | |
| 10:30-12:00 | Theresa Graalmann | Autoimmunity |
| | Markus Cornberg | Biological impact of HCV cure – LongHepC? |
| | Till Strowig | Exploring colonization resistance to prevent infections |
| 12:00-13:30 | Lunch with Speakers (90 minutes) | |
| 13:30 -15:00 | Matthias Lochner | Targeting of the mucosal microenvironment in infection and inflammation |
| | Guntram Grassl | Intestinal glycans and their interaction with commensal and pathogenic bacteria |
| | Manuela Büttner | Organoids: Bridging the gap between in vitro models and cutting-edge research |
| 15:00-15:30 | Coffee Break (30 minutes) | |
| 15:30-17:30 | Students Poster Presentation II (Annett Ziegler/Andreas Pavlou) | |
| 19:15-21:30 | GOP Variété Theatre | |

| Thursday, Aug. 28 th | Genetic and environmental impact on infection TWINCORE: Seminar room 0020 | |
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| 09:00-10:00 | Nataliya Di Donato | Detection of genetic susceptibility to infectious diseases |
| | Daniel Depledge | On the contribution of varicella zoster virus genetics to disease pathogenesis and attenuation |
| 10:00-10:15 | Coffee Break (15 minutes) | |
| 10:15-11:45 | Students Poster Presentation III (Annett Ziegler/Andreas Pavlou) | |
| 11:45-13:15 | Lunch with Speakers (90 minutes) | |
| 13:15-13:45 | Thomas Pietschmann | Genetic and environmental impact on infection |
| 13:45-16:15 | Matthias Bruhn & Abdus Salam | Workshop: Single cell RNA sequencing (scRNAseq) |
| 16:15-18:45 | LISA invites: Barbecue at TWINCORE | |

| Friday, Aug. 29 th | Intervention strategies TWINCORE: Seminar room 0020 | |
|----------------------------------|---|--|
| 9:00-10:00 | Camille Andrieu | Treatment challenges of chronic Pseudomonas aeruginosa infections |
| | Andreas Pavlou | Orchestration of antiviral responses within the infected central nervous system |
| 10:00-10:30 | Coffee Break (30 minutes) | |
| 10:30-11:30 | Carlos Guzmán | Cyclic-di-nucleotides: promising tool to activate DC and promote humoral and cellular responses post vaccination |
| | Luka Cicin-Sain | An inflation of memory CD8 T cells upon herpesvirus infections – is it good or bad? |
| 11:30-13:00 | Lunch with Speakers (90 minutes) | |
| 13:00-14:30 | Britta Eiz-Vesper | Allogeneic T cells with natural and artificial specificities for treatment of viral complications and malignant diseases |
| | Saumya Dileep Kumar | Big Data in Immunology: How to make the most of it |
| | Nishanth Gopala Krishna | Regulation of immune responses by deubiquitinating enzymes |
| 14:30-15:00 | Coffee Break (30 minutes) | |
| 15:00 -16:30 | Students Poster Presentation IV (Annett Ziegler/Andreas Pavlou) | |

| Sept. 8 th – Sept. 12 th | Lab Rotations II |
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