

2nd Retreat of the LOEWE Center DRUID

*„Novel Drug Targets
against Poverty-Related and Neglected
Tropical Infectious Diseases“*

**Rauischholzhausen Castle
November 25th – 26th, 2019**



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Exzellente Forschung für
Hessens Zukunft

Monday, November 25th, 2019

11:30 – 12:30	Arrival, light lunch
12:30 – 12:45	Welcome – Katja Becker
12:45 – 15:00	Session I – Targets of antivirals (Chair: Eva Herker)
12:45	Joachim Geyer: Novel HBV/HDV entry inhibitors
13:05	Arnold Grünweller/ Thi Lan Phuong Pham: Structure based design of potential eIF4A-inhibitors
13:30	Wiebke Obermann: Understanding the mode of action of rocoglates to identify new eIF4A inhibitors
13:45	Anke Werner: Screening for potential EBOV VP40 inhibitors via crystal soaking
14:00	Patrick Schmerer: Rift Valley fever virus
14:15	Mirco Glitscher: The fate of the Hepatitis E virus capsid and particle is dependent on cholesterol
14:30	Marie-Luise Herrlein: Interference of restriction factors with the ZIKV life-cycle and their potential pan-flaviviral activity
14:45	Oliver Pilgram: Development of host protease inhibitors
15:00 – 15:30	Coffee break
15:30 – 17:15	Session II – Targets in unicellular parasites and bacteria (Chair: Katja Becker)
15:30	Jude Przyborski: Involvement of host proteins in survival of the human malaria parasite <i>P. falciparum</i>
15:50	Ross Douglas: Understanding and targeting the divergent <i>Plasmodium</i> cytoskeleton
16:10	Ulrich Steinhoff: Improving diagnosis of visceral Leishmaniosis in Africa: The role of kinesins
16:30	Michaela Bergmann: Unraveling apoptosis mechanisms in <i>Leishmania</i>
16:45	Alexander Dichter: Identification of novel pathogenicity factors in <i>Bartonella bacilliformis</i>
17:00	Florian Röttgerding: Identification of a cluster of novel complement-inhibitory proteins of <i>Borrelia recurrentis</i>
17:15 – 18:00	Mini workshop I by Ger van Zandbergen and Mark Goldammer Regulation of biomedicines in the Paul Ehrlich Institute Presentation of STARS – EU project to bring academia closer to drug regulation
18:00 – 19:30	Dinner
19:30 – 20:30	Elevator pitches (2 min each) hosted by Marc Schetelig
From 20:30	Drinks and poster session



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Tuesday, November 26th, 2019

7:30 – 8:30	Breakfast
8:30 – 10:35	Session III – Multicellular parasites and novel compounds (Chair: Simone Häberlein)
8:30	Franco Falcone: Use of humanized IgE reporter systems for assessment of allergenicity of anti-helminth vaccine candidates
8:50	Bernardo Moreira: Use of BODIPY-labelled ATP analogue in the development and validation of a fluorescence polarization-based kinase-binding assay for screening of inhibitors
9:05	Georg Rennar: Dithiocarbamates – fighting against Schistosomiasis
9:20	Julie Harnischfeger/Mandy Beutler: Production of schistosomal enzymes utilizing <i>E. coli</i> and BEVS
9:45	Hicham Houhou: Attacking liver flukes and blood flukes by targeting their aldehyde dehydrogenase activities
10:00	Irina Häcker: RNA interference in <i>Ae. aegypti</i> - testing and optimizing of dsRNA delivery strategies
10:20	Leonard Blum: Immunomodulatory profile of steroid compound 1o
10:35 – 11:00	Coffee break
11:00 – 11:20	John Njeru: Holistic Approach To Unravelling Antibiotic resistance (HATUA) in three major metropolises in Kenya: using urinary tract infection (UTI) as a flag-ship infection
11:20 – 12:05	Mini workshop II by Mukul Ashtikar Preclinical formulation development
12:05	Closing remarks – Stephan Becker
12:05 – 13:00	Lunch
<u>For Pls:</u>	
13:00 – 13:30	Scientific plenum
13:30 – 15:00	Steering committee and bilateral project discussions
<u>For PhDs:</u>	
13:00 – 15:00	Soft skill course by Martin Blaser
15:00	Departure