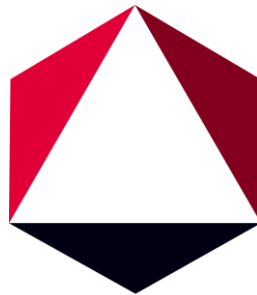


1st Retreat of the LOEWE Center DRUID

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

**Rauischholzhausen Castle
November 26th – 27th, 2018**



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LOEWE

Exzellente Forschung für
Hessens Zukunft

Monday, November 26th, 2018

- 11:30 – 12:30** **Arrival, light lunch**
- 12:30 – 12:45** **Welcome**
- 12:45 – 14:25** **Session I – Targets of antivirals**
(Chair: Eva Friebertshäuser)
- 12:45 John Ziebuhr: Coronavirus-encoded nonessential proteins
- 13:05 Arnold Grünweller: The DEAD-box RNA helicase eIF4A as an antiviral target
- 13:25 Anke Werner: Protein-protein interactions of Ebola VP40 as potential novel drug targets
- 13:40 Patrick Schmerer: Inhibitors of Rift Valley fever phlebovirus
- 13:55 Thi Lan Phuong Pham: Synthesis and biological evaluation of sulfonamide derivatives as potential eIF4F complex inhibitors
- 14:10 Dorothea Bestle: Inhibition of virus-activating host cell proteases
- 14:25 – 15:10** **Mini workshop I by Julia Hahn**
Biacore-Analysis of molecular interactions via surface plasmon resonance
- 15:10 – 15:45** **Coffee break**
- 15:45 – 17:25** **Session II – Targets in parasites and bacteria**
(Chair: Kathrin Buchholz)
- 15:45 Simone Häberlein: Broad anthelmintic activity of the Abl-kinase inhibitor imatinib
- 16:05 Volkhard Kempf: *Bartonella bacilliformis*: First steps in establishing an experimental setting
- 16:25 Isabell Berneburg: Glucose-6-phosphate dehydrogenases of different pathogens as potential drug targets
- 16:40 Melissa Dillenberger: Posttranslational redox modifications as potential nanoswitches in apicomplexan parasites and viruses
- 16:55 Melanie Moser: Sexual differentiation of *P. falciparum* as basis for transmission-blocking drug development
- 17:10 Eva-Maria Schäfer: Drug discovery - or why communication is the key to success
- 17:25 – 18:10** **Mini workshop II by Patrik Kadesch and Stefanie Gerbig**
MALDI Mass Spectrometry Imaging - a powerful tool to visualize lipids and metabolites in endogenous parasites
- 18:10 – 19:30** **Dinner**
- 19:30 – 20:30** **Elevator pitches (2 min each)**
- From 20:30** **Drinks and poster session**



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Tuesday, November 27th, 2018

7:30 – 8:30	Breakfast
8:30 – 10:30	Session III – Novel compounds and strategies (Chair: Wibke Diederich)
8:30	Torsten Steinmetzer: Optimization of host protease inhibitors as broad-spectrum antiviral drugs
8:50	Irina Häcker: First steps in RNAi-mediated control of the yellow fever mosquito <i>Aedes aegypti</i>
9:10	Ulrich Steinhoff: Heterogeneity of leishmania parasites - a challenge for diagnosis and treatment (Chalk talk!!!)
9:30	Georg Rennar: Synthesis and in vitro testing of dithiocarbamates as potential agents against schistosomiasis
9:45	Alejandra Peter Ventura: Synthesis and biological evaluation of biarylalkyl-carboxylic acid derivatives against <i>Schistosoma mansoni</i>
10:00	Leonard Blum: Pharmaceutical development, translational medicine & drug repurposing
10:15	Christian Preußner: Selective release of circular RNAs into extracellular vesicles
10:30 – 11:00	Coffee break
11:00 – 11:45	Mini workshop III by Christian Preußner A quick reference guide for isolating and analyzing extracellular vesicles

Closing remarks and awards

For PIs

11:50 – 12:30	Scientific plenum
12:30 – 13:00	Steering committee
13:00 – 14:00	Lunch
14:00	Departure for PIs (or individual project discussions)

For PhD-students

11:50 – 13:00	Soft skill course (first part) by Dirk Palm
13:00 – 14:00	Lunch
14:00 – 15:30	Soft skill course (second part)
15:30	Departure for PhD-students (or individual project discussions)