

## Program Overview

Tuesday, 12.07.2022		
17:30	20:00	<b>Registration</b>
18:00	20:00	<b>Welcome Reception</b>

Wednesday, 13.07.2022		Speaker	Title	Institution
8:00	9:00	<b>Registration &amp; Poster set-up</b>		
9:00	9:20	<b>Welcome and Introduction</b>	<b>Markus Meissner, Michael Boshart, Paul M. Selzer, Sandra Noack</b>	
9:20	10:00	Keynote	Sabine Specht	Development of alternative treatments for filarial diseases DNDi - Drugs for Neglected Diseases Initiative, Geneva, Switzerland
10:00	10:20	Session Chair: Lucienne Tritten	Jonathan S. Marchant	Resolution of PZQ interaction with a parasitic flatworm ion channel Medical College of Wisconsin, USA
10:20	10:40		Kenneth Pfarr	Pre-clinical development of Corallopyronin A – a novel natural product active against filarial nematodes University Hospital Bonn, Germany
10:40	11:00		Claude L. Charvet	The molecular targets of macrocyclic lactones in the horse parasite <i>Parascaris univalens</i> INRAE, Université de Tours, France
11:00	11:30	<b>Coffee break</b>		
11:30	12:10	Keynote	Jeremy Mottram	Genetic and chemical validation of drug targets in <i>Leishmania</i> University of York, UK
12:10	12:30	Session Chair: Harry de Koning	Qingping Wu	Targeting the activation mechanism of cAMP-independent <i>Trypanosoma</i> protein kinase A Ludwig-Maximilians-University Munich (LMU), Germany
12:30	12:50		Akito Koike	<i>in vitro</i> screening of inhibitors against <i>Echinococcus</i> Pim kinase and analysis of their impact on parasite stem cells University of Würzburg, Germany
13:10	13:30		Elena Jimenez-Ruis	A splitCas9 phenotypic screen in <i>Toxoplasma gondii</i> identifies proteins involved in host cell egress and invasion Ludwig-Maximilians-University Munich (LMU), Germany
13:30	14:15	<b>Lunch break &amp; Poster session</b>		

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Wednesday, 13.07.2022		Speaker	Title	Institution	
14:15	14:55	Keynote	Lucienne Tritten	The helminth secretory microRNAome as a resource for novel drug targets	University of Zurich, Switzerland
14:55	15:15	Session Chair: Douglas Carithers	Youssef Hamway	Targeting <i>Schistosoma mansoni</i> microRNA with small molecules to modulate host-parasite interactions	Technical University of Munich (TUM), Germany
15:15	15:35		Rémy Bétous	Filarial DAF-12 sense $\Delta 4$ -dafachronic acid in host serum to resume iL3 development during infection	INRAE, Université de Toulouse, France
15:35	15:55		Clarissa Prazeres da Costa	Identification of a novel serum-derived anti-schistosomal multi-stage compound	Technical University of Munich (TUM), Germany
15:55	16:25		<b>Coffee break</b>		
16:25	17:05	Keynote	Poppy Lambertson	Differentiating new reproductive schistosomes from surviving adult worms following praziquantel treatment	University of Glasgow, UK
17:05	17:25	Session Chair: Klaus Brehm	Christoph G. Grevelding	Identification and characterisation of <i>Schistosoma mansoni</i> SmALDH-312 as potential target of disulfiram	Justus-Liebig University Giessen, Germany
17:25	17:45		Daniel Bertrand	Recombinant ligand-gated ion channels in the discovery of new active principles	HiQScreen Sàrl, Geneva, Switzerland
17:45	18:05		Koen Dechering	Analysis of tick regurgitation following mechanical, cryogenic and chemical removal	TropIQ Health Sciences, Nijmegen, The Netherlands

## Program Overview

Thursday, 14.07.2022		Speaker	Title	Institution	
9:00	9:40	Keynote	Grzegorz Popowicz	Structure-based development of antiparasitic PEX14 inhibitors - finding a right key to unlock many locks	Helmholtz Zentrum, Munich, Germany
9:40	10:00	Session Chair: Christoph G. Grevelding	Richard J. Marhöfer	Artificial Intelligence: A new dawn in antiparasitics research?	Boehringer Ingelheim Animal Health, Ingelheim, Germany
10:00	10:20		Harry de Koning	Purine nucleoside analogues as new lead compounds against <i>Trichomonas vaginalis</i>	University of Glasgow, UK
10:20	10:40		Martin Zoltner	Targeting a unique mRNA decapping enzyme for trypanosomatid infectious disease drug discovery and biotechnology applications	Charles University, BIOCEV, Vestec, Czech Republic
10:40	11:00		Isabell Berneburg	An optimized dihydrodibenzothiazepine lead compound (SBI-0797750) as a potent and selective inhibitor of <i>Plasmodium falciparum</i> and <i>vivax</i> glucose 6-phosphate dehydrogenase 6-phosphogluconolactonase	Justus-Liebig University Giessen, Germany
11:00	11:30	<b>Coffee break</b>			
11:30	12:10	Keynote	Douglas Carithers	Heartworm disease – Overview, intervention, and industry perspective	Boehringer Ingelheim Animal Health, Duluth, USA
12:10	12:30	Session Chair: Ronald Kaminsky	Eric Tielemans	Safety of oral afoxolaner formulated with or without milbemycin oxime in homozygous MDR1 deficient collie dogs	Boehringer Ingelheim Animal Health, Lyon, France
12:30	12:50		Tatiana Küster	Effective control of coccidiosis in poultry: what is the future?	Boehringer Ingelheim Animal Health, Ingelheim, Germany
13:10	13:30		Klaus Brehm	Approaches towards curative chemotherapeutic treatment of alveolar echinococcosis	University of Würzburg, Germany
13:30	13:50		Martin Horn	Synthetic analogues of natural marine cyanobacteria metabolite gallinamide A are potent inhibitors of SmCB1 drug target and effective anti-schistosomes	Czech Academy of Sciences, Prague, Czech Republic
13:50	15:00	<b>Lunch break &amp; Poster session</b>			
<b>Social program: Flugwerft museum and/or Schleissheim Palace visit</b>					
19:00	22:00	<b>Conference Dinner</b>			

## Program Overview

Friday, 15.07.2022		Speaker	Title	Institution	
9:00	9:40	Keynote	Matthias Marti	Natural selection on transmission investment facilitates the spread of drug resistance in <i>Plasmodium falciparum</i>	University of Zurich, Switzerland
9:40	10:00	Session Chair: Sabine Specht	Yukino Kobayashi	Characterisation of Alp1 and Alp2b as transmission-blocking targets of <i>Plasmodium</i>	Justus-Liebig University Giessen, Germany
10:00	10:20		Marcel Deponte	Protein abundance and folding rather than the redox state of Kelch13 determine the artemisinin susceptibility of <i>Plasmodium falciparum</i>	Technical University of Kaiserslautern, Germany
10:20	10:40		Thomas Spangenberg	Preclinical Studies to support the development of M5717, a <i>P. falciparum</i> Elongation Factor 2 Inhibitor	Global Health Institute of Merck, Eysins, Switzerland
10:40	11:10	<b>Coffee break</b>			
11:10	11:50	Keynote	Jairo A. Mendoza Roldan & Domenico Otranto	<i>Leishmania tarentolae</i> vs. <i>Leishmania infantum</i> in the Mediterranean basin: what we know and what is to come	University of Bari, Italy
11:50	12:10	Session Chair: Thomas Spangenberg	Marnix Vlot	Use of machine learning to identify novel mosquito repellents	TropIQ Health Sciences, Nijmegen, The Netherlands
12:10	12:30		Marius Spohn	Pentacitidins against parasites: natural cysteine protease inhibitors	Fraunhofer Institute for Molecular Biology and Applied Ecology, Giessen, Germany
12:30	12:50		Simone Häberlein	Discovery of novel anthelmintic compounds: learning from insects	Justus-Liebig University Giessen, Germany
12:50	13:15	<b>Wrap-up &amp; Closing</b>	Paul M. Selzer		