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<tr>
<th>Time</th>
<th>Event</th>
<th>Room</th>
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<th>Location</th>
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<tbody>
<tr>
<td>16:30</td>
<td>Welcome Address</td>
<td>Lecture Hall 009</td>
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<tr>
<td>17:00</td>
<td>Award Ceremony and Appointing of Honorary Members</td>
<td>Lecture Hall 009</td>
<td>Egbert Tannich (Hamburg/Germany)</td>
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<tr>
<td>17:00</td>
<td>Presentation of Rudolf Leuckart-Medal</td>
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<td>Heidrun Moll (Würzburg)</td>
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<td>17:30</td>
<td>Presentation of Karl-Asmund-Rudolphi-Medal</td>
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<td>Principles &amp; anomalies: the power of comparative parasitology</td>
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<td>17:30</td>
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<td>Marcel Deponte (Heidelberg/Germany)</td>
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<td>17:30</td>
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<td>Deciphering the function of the trypanosome epigenome in gene regulation and immune evasion</td>
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<td>18:20</td>
<td>Appointing of Honorary Members</td>
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<td>Rolf Garms (Hamburg/Germany)</td>
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<td>18:20</td>
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<td>Laudatio by Egbert Tannich (Hamburg/Germany)</td>
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<tr>
<td>18:45</td>
<td>Welcome Reception</td>
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<td>Peter Wenk (Tübingen/Germany)</td>
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<td>18:45</td>
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<td>Laudatio by Susanne Hartmann (Berlin/Germany)</td>
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<td>from 18:45</td>
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<td>Welcome Reception</td>
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# 27th Annual Meeting of the German Society for Parasitology
9–12 March 2016 | Göttingen, Germany

## Scientific Program • Thursday, 10 March 2016

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Title</th>
<th>Presenters</th>
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</thead>
<tbody>
<tr>
<td>08:30–10:00</td>
<td>Workshop I: Protozoan parasites I (Genetics and epigenetics)</td>
<td>De novo assembly of the Trypanosoma brucei Lister 427 strain genome combining PacBio sequencing and genome-wide chromosomal contact data</td>
<td>Raúl Oscar Cosentino (Würzburg/Germany)</td>
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<td></td>
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<td>Genome-wide chromosome conformation capture (Hi-C) reveals the 3D architecture of the Trypanosoma brucei genome</td>
<td>Laura Müller (Würzburg/Germany)</td>
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<tr>
<td>09:00–09:15</td>
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<td>VSG expression site silencing induces stumpy stage formation and vector competence in African trypanosomes</td>
<td>Markus Engstler (Würzburg/Germany)</td>
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<td>09:15–09:30</td>
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<td>Nucleosome positioning and DNA sequence-mediated RNA polymerase II transcription initiation in Trypanosoma brucei</td>
<td>Carolin Wedel (Würzburg/Germany)</td>
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<td>09:45–10:00</td>
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<td>Epigenetic control of gene expression during Plasmodium falciparum gametocyte development and transmission to the mosquito</td>
<td>Meike Kiesow (Aachen/Germany)</td>
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<tr>
<td>08:30–10:00</td>
<td>Workshop II: Immunology in helminth infections</td>
<td>Pleiotropic roles of the Plasmodium berghei RNA binding protein UIS12 for successful parasite maturation in the mosquito vector</td>
<td>Katja Müller (Berlin/Germany)</td>
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<td>A new role for the NOD2-receptor: NOD2 deficiency leads to an impaired early immune response during the skin stage of Litomosoides sigmodontis infection</td>
<td>Jesuthas Ajendra (Bonn/Germany)</td>
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<tr>
<td>08:45–09:00</td>
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<td>Features of IL10 producing T cells in enteric nematode infections</td>
<td>Sebastian Rausch (Berlin/Germany)</td>
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</table>
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09:00–09:15  
**Intestinal nematode infection drives highly functional tissue resident Th2 memory cells**  
Svenja Steinfelder (Berlin/Germany)

09:15–09:30  
**Th2/Th1 hybrid cells: A multifunctional subset in nematode infected patients**  
Cristin Bock (Berlin/Germany)

09:30–09:45  
**Immunomodulatory molecules secreted by Echinococcus multilocularis larvae**  
Klaus Brehm (Würzburg/Germany)

09:45–10:00  
**Filarial/retrovirus coinfection in mice is associated with defective virus-specific humoral response and higher viral loads**  
Wiebke Hartmann (Hamburg/Germany)

10:00–10:30  
**Coffee Break & Industrial Exhibition**

10:30–11:30  
**Plenary Session I: Exosome-like vesicles in parasite biology**  
Room Lecture Hall 009  
Chairs Carsten Lüder (Göttingen/Germany), Egbert Tannich (Hamburg/Germany)

10:30–11:00  
**Small non-coding RNAs and Leishmaniasis**  
Neil E. Reiner (Vancouver/Canada)

11:00–11:30  
**Extracellular vesicles in malaria parasites: role in cellular communication between parasites and with the host**  
Matthias Marti (Boston, MA/United States)

11:30–12:00  
** Turbo Talks Poster Session I**

12:00–13:00  
**Lunch Break & Industrial Exhibition**

13:00–14:30  
**Workshop III: Diagnosis, epidemiology and emerging infections**  
Room Lecture Hall 007  
Chairs Uwe Gross (Göttingen, Germany), Gereon Schares (Greifswald-Insel-Riems/Germany)

13:00–13:15  
**Seasonality in the proportions of domestic cats shedding Toxoplasma gondii or Hammondia hammondi oocysts is associated with climate factors**  
Gereon Schares (Greifswald-Insel Riehms/Germany)
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13:15–13:30 Epidemiology and genetic characterization of Giardia spp. infections in wild rodents in Germany
WS3-P2
Christian Klotz (Berlin/Germany)

13:30–13:45 Bayesian modelling of factors potentially influencing the spatial distribution of Echinococcus multilocularis in foxes
WS3-P3
Franz J. Conraths (Greifswald-Insel Riehms/Germany)

13:45–14:00 Malaria Risk Assessment in Akure North and South local government areas of Ondo State, Nigeria using GIS
WS3-P4
Adepeju Simon-Oke (Akure/Nigeria)

14:00–14:15 Tungiasis in Rural Communities of Badagry Local Government Area, Lagos State, Nigeria
WS3-P5
Adetoro Otubanjo (Lagos/Nigeria)

14:15–14:30 Canine Dirofilaria Infections in Lithuania
WS3-P6
Vytautas Sabūnas (Kaunas/Lithuania)

13:00–14:30 Workshop IV: Control of helminth infections
Room Lecture Hall 009
Chairs Richard Lucius, Susanne Hartmann (Berlin/Germany)

13:00–13:15 Pathological manifestations in lymphatic filariasis correlate with lack of inhibitory properties of IgG4 molecules on IgE-armed granulocytes.
WS4-P1
Ulrich Fabien Prodjinotho (Bonn/Germany)

13:15–13:30 Antimicrobial activities of secreted products of intestinal parasitic nematodes
WS4-P2
Ankur Midha (Berlin/Germany)

WS4-P3
Gopinath Venugopal (Berlin/Germany)

13:45–14:00 High throughput-compatible assessment of helminth vaccine candidate allergenicity using humanised basophil reporter cell lines
WS4-P4
Franco Falcone (Nottingham/UK)

14:00–14:15 Assessment of possible elimination of Onchocerca volvulus in endemic communities of Nigeria after 16 years of continuous ivermectin treatment
WS4-P5
Daniel Olusola Ojurongbe (Osogbo/Nigeria)
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14:15–14:30  Screening of the Open Source Malaria Box Reveals a Novel Potential Drug Candidate for the Treatment of Alveolar Echinococcosis
WS4-P6  Andrew Hemphill (Bern/Switzerland)

13:00–14:30  Workshop V: Biochemistry and cell biology
Room  Lecture Hall 006
Chairs  Michael Duszenko, Marcel Deponte (Tübingen/Germany)

13:00–13:15  Functional analysis of nitroreductases from the intestinal parasite Giardia lamblia
WS5-P1  Joachim Müller (Bern/Switzerland)

13:15–13:30  The role of amylopectin metabolism in Toxoplasma gondii
WS5-P2  Martin Blume (Parkville/Australia)

13:30–13:45  The ferredoxin redox system in the apicoplast of Toxoplasma gondii is crucial for parasite growth
WS5-P3  Frank Seeber (Berlin/Germany)

13:45–14:00  Dissecting the expression, localization and function of the P. falciparum STEVOR protein family
WS5-P4  Judith Anna Marie Scholz (Hamburg/Germany)

14:00–14:15  Trypanosome RNP granules: what is inside?
WS5-P5  Susanne Kramer (Würzburg/Germany)

14:15–14:30  Identification of proteins involved in the uptake of host cell cytosol in blood stages of the human malaria parasite Plasmodium falciparum
WS5-P6  Ernst Jonscher (Hamburg/Germany)

14:45–15:45  Plenary Session II: Veterinary Parasitology
Room  Lecture Hall 009
Chairs  Georg von Samson-Himmelstjerna (Berlin/Germany), Andrew Hemphill (Bern/Switzerland)

14:45–15:15  Alveolar echinococcosis in Europe: Old burden and new challenges
PL2-P1  Peter Deplazes (Zurich/Switzerland)

15:15–15:45  Eimeria in chickens: Translation of basic research for improves disease control in the modern poultry industry
PL2-P2  Fiona Tomley (London/UK)

15:45–16:15  Coffee Break & Industrial Exhibition
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16:15–17:45 Poster Session I
Topics
Diagnosis
Parasite ecology
Parasite-host interactions
Protozoan parasites
Vectors, entomology and acarology

18:00–19:30 General Assembly of the DGP
Scientific Program • Friday, 11 March 2016

08:30–10:00 Workshop VI: Veterinary parasitology
Room Lecture Hall 009
Chairs Anja Taubert (Giessen/Germany) Christina Strube (Hanover/Germany)

08:30–08:45 Will German cattle production face increasing problems with drug-resistant gastrointestinal nematodes in the future?
WS6-P1 Friederike Knapp-Lawitzke (Berlin/Germany)

08:45–09:00 KI 1294: A novel inhibitor of CDPK1 as a potential treatment of Cryptosporidium parvum infections
WS6-P2 Matthias Lendner (Leipzig/Germany)

09:00–09:15 Repurposing of antiparasitic drugs: the hydroxy-naphthoquinone buparvaquone inhibits vertical transmission in the pregnant neosporosis mouse model
WS6-P3 Andrew Hemphill (Bern/Switzerland)

09:15–09:30 Zoonotic Tungiasis in Rural Villages of Uganda: Epidemiology, animal health and intervention
WS6-P4 Jürgen Krücken (Berlin/Germany)

09:30–09:45 Besnoitia besnoiti significantly modulates the endothelial host cell cholesterol metabolism for successful replication
WS6-P5 Liliana M. R. Silva (Giessen/Germany)

09:45–10:00 Leucocyte-derived extracellular trap formation significantly contributes to Haemonchus contortus larval entrapment
WS6-P6 Carlos Hermosilla (Giessen/Germany)

08:30–10:00 Workshop VII: Parasite ecology
Room Lecture Hall 007
Chairs Sven Klimpel (Frankfurt/Germany) Joachim Kurtz (Münster/Germany)

08:30–08:45 Rising temperature increases parasite virulence in three-spined stickleback (Gasterosteus aculeatus) infected with the cestode Schistocephalus solidus
WS7-P1 Joern Peter Scharsack (Münster/Germany)

08:45–09:00 Population-specific adaptation of virulence of the cestode Schistocephalus solidus in its fish host, the three-spined stickleback
WS7-P2 Martin Kalbe (Ploen/Germany)
Scientific Program • Friday, 11 March 2016

09:00–09:15 Inter- and intraspecific conflict over host manipulation – an experimental study  
WS7-P3 Nina Hafer (Ploen/Germany)

09:15–09:30 Hidden diversity on our doorstep: trematodes in lymnaeid and planorbid snails in a Central European reservoir system  
WS7-P4 Christian Selbach (Essen/Germany)

09:30–09:45 Microsporidia in amphipods of the Ruhr area: Effects of invasion and restoration  
WS7-P5 Daniel Grabner (Essen/Germany)

09:45–10:00 Towards a classification of parasites based on stable isotope analyses  
WS7-P6 Bernd Sures (Essen/Germany)

10:00–10:30 Coffee Break & Industrial Exhibition

10:30–11:00 Bumped Kinase Inhibitors are therapeutics for Cryptosporidium, Toxoplasma, Neospora, and Sarcocystis infections  
PL3-P1 Wesley C. van Voorhis (Deborah, WA/USA)

11:00–11:30 Control of schistosomiasis and other helminthiases  
PL3-P2 Jürg Utzinger (Basel/Switzerland)

11:30–12:00 Turbo Talks of Poster Session II

12:00–13:00 Lunch Break & Industrial Exhibition

13:00–14:30 Workshop VIII: Drugs and drug development (DDDS)  
Room Lecture Hall 007  
Chair Frank Seeber (Berlin/Germany)  
Wes van Voorhis (Seattle, WA/United States)

13:00–13:15 Crystal structure, cytotoxicity and in vitro anti-leishmanial activity of novel Sb(V)– and Bi(V)-based organometallic complexes in Sb(III)-sensitive and -resistant Leishmania  
WS8-P1 Arshad Islam (Belo Horizonte/Brazil)
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WS8-P2 Hannah Bernin (Hamburg/Germany)

13:30–13:45 The metronidazole-susceptibility of Trichomonas vaginalis is influenced by the presence of Mycoplasma hominis
WS8-P3 Ursula Fürnkranz (Düsseldorf/Germany)

13:45–14:00 Trans-resveratrol and some structural analogs caused oxidative stress mediated apoptosis in a model filarial Nematode
WS8-P4 Niladri Mukherjee (Santiniketan/India)

14:00–14:15 Protective role of selenium nanoparticles against Schistosoma mansoni-induced hepatic injury in mice
WS8-P5 Marwa Diab (Giza/Egypt)

14:15–14:30 Comparison of L. sigmodontis infection in immune deficient mice – implications for the screening of macrofilaricidal drug candidates
WS8-P6 Stefan J. Frohberger (Bonn/Germany)

13:00–14:30 Workshop IX: Parasite-host interactions
Room Lecture Hall 009
Chairs Freddy Frischknecht (Heidelberg/Germany)
Toni Aebischer (Berlin/Germany)

13:00–13:15 Acquisition of cholesterol from the host late endocytic pathway is important for efficient liver-stage Plasmodium development
WS9-P1 Alyssa Ingmundson (Berlin/Germany)

WS9-P2 Miriam Wilmes (Bonn/Germany)

13:30–13:45 Inhibition of the interferon-γ response in Toxoplasma gondii-infected macrophages – adding more pieces to the puzzle
WS9-P3 Roswitha Nast (Göttingen/Germany)

13:45–14:00 The lane to the brain: how African trypanosomes invade the CNS
WS9-P4 Michael Duszenko (Tübingen/Germany)

14:00–14:15 Neurotoxocarosis: dysregulations in the brain over the course of infection
WS9-P5 Dimitri Lindenwald (Hanover/Germany)
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14:15–14:30 Differences in host-parasite interaction with regard to two closely related Anguillicola species
WS9–P6
Michelle Keppel (Essen/Germany)

14:30–16:00 Poster Session II
Topics
- Biochemistry
- Cell biology and signaling
- Drugs and drug development
- Epidemiology and Emerging Infections
- Immunology
- Molecular genetics
- Parasitic helminths
- Veterinary parasitology

16:00–16:30 Coffee Break & Industrial Exhibition

16:30–18:00 Workshop X: Protozoan parasites II
Room Lecture Hall 009
Chairs Nicolai Siegel (Würzburg/Germany)
Iris Bruchhaus (Hamburg/Germany)

16:30–16:45 A mitochondrial phosphoenolpyruvate carboxykinase ensures glucose-independent survival of the protozoan parasite Toxoplasma gondii
WS10-P1
Richard Nitzschke (Berlin/Germany)

16:45–17:00 The Toxoplasma gondii basal complex proteome reveals an expanded hierarchy suggesting a function beyond cell division
WS10-P2
Klemens Engelberg (Chestnut Hill, MA/USA)

17:00–17:15 From bacteria to parasites - prokaryotic ancestry and gene fusion of a dual localized peroxidase in malaria parasites
WS10-P3
Marcel Deponte (Heidelberg/Germany)

17:15–17:30 Breaking free: Oocyst egress in Plasmodium berghei
WS10-P4
Dennis Klug (Heidelberg/Germany)

17:30–17:45 Coronin couples calcium release to motility in malaria parasites
WS10-P5
Kartik Bane (Heidelberg/Germany)

17:45–18:00 Magnetic Resonance Imaging of Pathogenic Protozoan Parasite Entamoeba histolytica Labeled with Superparamagnetic Iron Oxide Nanoparticles
WS10-P6
Helena Fehling (Hamburg/Germany)
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16:30–18:00 Workshop XI: Vectors, entomology and acarology
Room Lecture Hall 006
Chairs Julia Walochnik (Vienna/Austria) Günter Schaub (Bochum/Germany)

16:30–16:45 Invasive mosquito species conquering Germany
WS11-P1 Helge Kampen (Greifswald/Germany)

16:45–17:00 Evidence and implications of stable endemic sandfly populations in Austria
WS11-P2 Julia Walochnik (Wien/Austria)

17:00–17:15 Host feeding patterns of mosquitoes in Germany
WS11-P3 Jessica Börstler (Hamburg/Germany)

17:15–17:30 Molecular interactions of Trypanosoma cruzi and triatomines
WS11-P4 Shiwa Soukou (Bochum/Germany)

17:30–17:45 Study on the ecology of ticks as vectors of pathogens concerning habitat, land use, hosts and climate in Baden-Wuerttemberg
WS11-P5 Alexander Lindau (Stuttgart/Germany)

17:45–18:00 The scabies mite genome – a targeted molecular approach to identify novel therapeutic targets to treat scabies and mange
WS11-P6 Katja Fischer (Brisbane/Australia)

16:30–18:00 Workshop XII: Genetics, phylogeny and evolution
Room Lecture Hall 007
Chairs Adrian Streit (Tübingen/Germany) Martin Kalbe

16:30–16:45 Making daughters only - the reproductive organ in free-living Strongyloides spp. (nematoda)
WS12-P1 Adrian Streit (Tübingen/Germany)

16:45–17:00 Presence of a noncanonical Mitnem domain in the Proteasomal Deubiquitinase of Giardia Lamblia
WS12-P2 Atrayee Ray (Kolkata/India)

17:00–17:15 Developing genome wide markers for Eimeria spp. infecting the house mouse in a hybrid zone
WS12-P3 Emanuel Heitlinger (Berlin/Germany)
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17:15–17:30  A survey of the tapeworms from vertebrate bowels of the earth - An overview of a 5 years research program into cestodes diversity and phylogeny
          WS12-P4  Jean Mariaux (Geneva/Switzerland)

17:30–17:45  Coevolution of the red flour beetle with the microorganism Bacillus thuringiensis
          WS12-P5  Joachim Kurtz (Münster/Germany)

17:45–18:00  Hepatocystis, a derived parasite genus from mammalian Plasmodium (Haemosporida) – data from infections in African fruit bats
          WS12-P6  Juliane Schaer (Berlin/Germany)

19:00–22:30  Social Evening
Scientific Program • Saturday, 12 March 2016

09:00–10:00  Plenary Session IV: Microbiota and host genetics in parasitic infections
Room Lecture Hall 009
Chairs Achim Hoerauf (Bonn/Germany)
          Kai Matuschewski (Berlin/Germany)

09:00–09:30  Microbiota Control of Malaria Transmission
PL4-P1      Miguel P. Soares (Oeiras/Portugal)

09:30–10:00  Exciting, effective and enigmatic: immunity-related GTPases in Toxoplasma infection
PL4-P2      Jonathan C. Howard (Oeiras/Portugal)

10:00–10:30  Coffee Break & Industrial Exhibition

10:30–12:00  Workshop XIII: Parasitic helminths II
Room Lecture Hall 007
Chairs Christoph Grevelding (Giessen/Germany)
        Klaus Brehm (Würzburg/Germany)

10:30–10:45  From gonad isolation to sub-transcriptomics: new insights into the atypical reproductive biology of schistosomes and their evolution
WS13-P1      Christoph G. Grevelding (Giessen/Germany)

10:45–11:00  Progesterone and its antagonist Mifepristone modulating egg production in Schistosoma Mansoni
WS13-P2      Steffen Hahnel (Giessen/Germany)

11:00–11:15  Serotonin induces proliferation in Echinococcus spp.
WS13-P3      Michaela Herz (Würzburg/Germany)

11:15–11:30  Genetic diversity of Echinococcus multilocularis – comparative results from mitochondrial and microsatellite markers
WS13-P4      Sandra Jastrzembski (Stuttgart/Germany)

11:30–11:45  Population structure of Echinococcus canadensis G6/7
WS13-P5      Francis Addy (Stuttgart/Germany)

11:45–12:00  Comparison between different parasitological methods for the detection of human schistosomiasis: Saline Gradient, Helmintex®, MIFC, Kato-Katz and Rapid Urine Test
WS13-P6      Stefan Geiger (Belo Horizonte/Brazil)
Scientific Program • Saturday, 12 March 2016

**10:30–12:00** Workshop XIV: Immunology in protozoan infections
Room Lecture Hall 009
Chairs Dirk Schlüter (Magdeburg/Germany)
Heidrun Moll (Würzburg/Germany)

**10:30–10:45** Entamoeba histolytica induced liver damage results from IL-23/IL-17 dependent immunopathology while IL-13 mediates tissue regeneration
Jill Noll (Hamburg/Germany)

**10:45–11:00** Type I interferons signalling on macrophages is involved in the immunopathology of experimental cerebral malaria
Patricia Jebett Korir (Bonn/Germany)

**11:00–11:15** Absence of CYLD protects against Experimental Cerebral Malaria
Ursula Schmid (Magdeburg/Germany)

**11:15–11:30** Cross-presenting dendritic cells in the pathogenesis of experimental cerebral malaria
Janina M. Kuepper (Bonn/Germany)

**11:30–11:45** Regulation of T Cells in human malaria
Thomas Jacobs (Hamburg/Germany)

**11:45–12:00** Antibody responses to surface antigens of Plasmodium falciparum gametocyte-infected erythrocytes and their relation to gametocytaemia
Bismarck Dinko (London/UK)

**12:00–12:35** Closing Ceremony incl. Poster Awards, Farewell
Room Lecture Hall 009
Chair Georg von Samson-Himmelstjerna (Berlin)

**12:00–12:25** Nomination Gerhard Piekarski-Award
Nominee Uriel Koziol (Würzburg and Montevideo, Uruguay)

**12:25–12:35** Poster Prizes