

Table of Contents

Table of Contents/Inhaltsverzeichnis

Beiträge in deutscher Sprache sind in Blau gesetzt

| | Page/Seite |
|---|------------|
| General Information / Allgemeines | 4 |
| Management / Leitung | 5 |
| Funding | 5 |
| Board of Directors / Kuratorium | 6 |
| Scientific Advisory Board / Wissenschaftlicher Beirat | 6 |
| Introduction | 7 |
| Einleitung | 13 |
| Parasitology Section / Sektion Parasitologie | 19 |
| Chairman's Summary | 20 |
| Zusammenfassung des Sprechers | 21 |
| Staff Parasitology Section / Arbeitsgruppen und Mitarbeiter der Sektion | 22 |
| Selected Scientific Projects / Ausgewählte wissenschaftliche Projekte: | |
| Characterization of Cysteine Proteinases in <i>Entamoeba histolytica</i> | 24 |
| Can German Mosquitoes Transmit <i>Plasmodium falciparum</i> Malaria? | 26 |
| Glutathione-dependent Detoxification Processes of <i>Onchocerca volvulus</i> and <i>Caenorhabditis elegans</i> | 28 |
| The Polyamine Biosynthesis in <i>Plasmodium falciparum</i> is Well Balanced by a Unique Bifunctional Ornithine Decarboxylase, S-adenosylmethionine Decarboxylase | 30 |
| The Redox Systems of the Human Malaria Parasite <i>Plasmodium falciparum</i> | 32 |
| Epidemiology and Detection of Lymphatic Filariasis on Alor Island, Indonesia | 34 |
| Microsporidia: Investigation of the Chitinous Spore and Use of a Fluorescence-based Stain | 36 |
| Control of the <i>Leishmania</i> Life Cycle via HSP90 Homeostasis. | 38 |
| Signal Transduction in <i>Leishmania</i> : Protein Kinases as Potential Drug Target | 40 |
| Medical Microbiology Section / Sektion Medizinische Mikrobiologie | 43 |
| Chairman's Summary | 44 |
| Zusammenfassung des Sprechers | 46 |
| Staff Medical Microbiology Section / Arbeitsgruppen und Mitarbeiter der Sektion | 48 |
| Selected Scientific Projects / Ausgewählte wissenschaftliche Projekte: | |
| Heat Shock Protein 60 (Hsp60) as a „Dangerous“ Link in Innate and Adaptive Immune Responses | 50 |
| Murine Susceptibility to Chagas' Disease Maps to Chromosomes 5 and 17 | 52 |
| CTLA-4 Expression During Blood-stage Malaria Could Prevent Immune Pathology | 54 |
| <i>Wolbachia</i> Endobacteria in Filarial Nematodes as Targets for a Novel Chemotherapeutic Approach – From the Lab to the Field | 56 |
| Inhibition of Flaviviridae NTPase/helicase by Ring-Expanded Nucleosides (REN's). New Class of Antiviral Agents | 58 |
| Imported Cases of Lassa fever: Molecular Epidemiology and Clinical Virology | 60 |
| Serological Differentiation of Dengue Virus 1 - 4 and West Nile Virus Infections using Recombinant Antigens | 62 |
| Role of N-glycosylation of the HIV-1 Envelope gp120 for Interaction with the Viral Coreceptors CXCR4 und CCR5 | 64 |
| Diagnostic PCR | 65 |
| Tropical Medicine Section / Sektion Tropenmedizinische Forschung. | 69 |
| Chairman's Summary | 70 |
| Zusammenfassung des Sprechers | 71 |
| Staff Tropical Medicine Section / Arbeitsgruppen und Mitarbeiter der Sektion | 72 |
| Selected Scientific Projects / Ausgewählte wissenschaftliche Projekte: | |
| Human Genetic Variants Influencing Resistance to Malaria | 74 |
| Genetic Variants Influencing Allergy-type Reactions and Immunosuppression in Human Onchocerciasis | 76 |