

MAM2024 18-22 Lorne FEB Victoria Australia

Molecular Approaches to Malaria

MAM 2024 Conference
18-22 February 2024
Mantra Lorne, Victoria

Monday 19 February

No.	Name	Organisation	Paper Title
2	Colin Sutherland	London School of Hygiene & Tropical Medicine	A double threat to ACT efficacy in Africa: reduced susceptibility of <i>Plasmodium falciparum</i> to both artemisinin and lumefantrine
4	Ashley Osborne	Menzies School Of Health Research	A high-resolution analysis of <i>Plasmodium falciparum</i> population dynamics in East Africa and genomic surveillance along the Kenya-Uganda border
6	Jessica Home	The University Of Melbourne	A novel mechanism of clindamycin resistance in <i>Plasmodium</i>
8	Arnab Pain	King Abdullah University of Science and Technology (KAUST)	A <i>Plasmodium</i> -specific AP2-P regulates multiple pathogenicity factors during the IDC
10	Oliver Looker	Burnet Institute	A screen for identifying inhibitors of <i>Plasmodium falciparum</i> protein export identifies dual inhibitors of protein trafficking and parasite invasion
12	Matt Govendir	EMBL Barcelona	A sticky situation: the influence of microvessel mechanics on cerebral malaria pathogenesis
14	Manuel Llinás	Penn State University	African malaria parasites carry a C-terminal deletion in PfAP2-G that has a major impact on sexual commitment
16	Carla Proietti	University Of Queensland	An aberrant transcriptomic and methylation profile in individuals with sickle cell trait is associated with protection against <i>P. falciparum</i> malaria

18	Chen Xue	Chiba University	Analysis of a point mutation of cytochrome b in atovaquone-resistant malaria parasites
20	Ellen Kearney	Burnet Institute	Anopheles salivary antibodies as serological biomarkers of Anopheles species-specific biting exposure: A controlled human challenge study
22	Abhishek Mewara	Postgraduate Institute of Medical Education and Research (PGIMER), Chandigarh, India	Application of machine-learning (ML) based approach for detection of malaria parasite on microscopy
24	Esrah Du	Harvard T. H. Chan School Of Public Health	Are you sleeping? Understanding mechanisms of <i>Plasmodium falciparum</i> oocyst dormancy in response to stress
26	Ghizal Siddiqui	Monash University	Artemisinin-resistant Kelch13 mutations are associated with reduced drug activation and enhanced anti-oxidant capacity, which can be targeted to overcome resistance
28	David Khoury	Kirby Institute, Unsw	Assessing antimalarial drug activity in pre-clinical and early clinical trials: parasite viability versus parasite clearance
30	Luzia Bukali	QIMR Berghofer Medical Research Institute	Assessing the immunomodulatory potential of Ruxolitinib during controlled human malaria infection.
32	Brendan Farrell	Department of Biochemistry, University Of Oxford	Assessing the structure and function of vaccination-induced and naturally-acquired antibodies targeting the blood-stage vaccine candidate PfRRCR
34	Maria Saeed	The University Of Melbourne	Association of novel potential IgG3 allotype with malaria in children from Sepik region of Papua New Guinea
36	Rubayet Elahi	Johns Hopkins Bloomberg School Of Public Health	BeLL the CAT: tRNA Ile-lysidine synthetase is essential for apicoplast Maintenance in <i>Plasmodium falciparum</i>
38	Yvonne Adams	University of Copenhagen	Brain Barriers and Cerebral Malaria: understanding impact of ICAM-1/EPCR dual adhesive parasites on the Choroid Plexus

40	Julianne Hamelink	The Burnet Institute	Can JAK1/2 blockade improve humoral immunity to malaria? Preliminary results from a phase-1b randomized placebo-controlled trial.
42	Kannan Venugopal	University of Zurich	CC camera footage of parasite puberty – A real time capture of sexual commitment through conversion in <i>Plasmodium falciparum</i> .
44	Mun Hua Tan	University Of Melbourne	Changing how we think about evaluating malaria interventions: making the parasite rather than the host the unit of measurement
46	Xiangning Liu	Australian National University	Characterisation of the novel <i>Plasmodium falciparum</i> heteromeric pantothenate kinase (PanK) complex
48	Emma Mao	The University of Adelaide	Characterising the quick-killing mechanism of action of azithromycin analogues
50	Jandeli Niemand	University of Pretoria	Chemical confirmation of mitochondrial pyruvate carrier complex activity in intraerythrocytic <i>Plasmodium falciparum</i> parasites
52	Carlo Giannangelo	Monash University	Chemoproteomics validates selective targeting of <i>Plasmodium</i> M1 alanyl aminopeptidase as a cross-species strategy to treat malaria
54	Meghan Zadow	University Of Adelaide	Cleaving the confusion – Reassessment of protease inhibitor activity against malaria invasion.
56	Anna Truong	Duke University	Covalent inhibitor reveals <i>P. falciparum</i> Ubc13 interactome
58	Long Huynh	The University Of Melbourne	Cytostome formation in artemisinin resistant <i>Plasmodium</i> parasites
60	Edwin Sutanto	Exeins Health Initiative	Deconvolving genetic complexity in <i>Plasmodium vivax</i> infections
62	Paolo Bareng	Deakin University	Defining Immune Escape Polymorphisms In <i>Plasmodium Vivax</i> : Insights From The Genomic Analysis Of 16 Antigen Vaccine Candidates

64	Rosy Cinzah	University Of Melbourne / Burnet Institute	Defining targets and mechanism of action of immunity against <i>Plasmodium vivax</i> malaria.
66	Cielo Pasay	QIMR Berghofer Medical Research Institute	Detection of <i>P. falciparum</i> hrp2 and hrp3 gene deletions by multiplex digital PCR
68	Alex Johnston	Institute For Glycomics	Development of a mixed adjuvant approach to improve the efficacy of a whole parasite blood-stage malaria vaccine candidate
70	Laura Torres	Biomedical Research, Novartis	Development of nanobody-based system to induce proximity between host autophagy proteins and a parasitophorous-vacuole membrane protein during malaria liver stage
72	David Jones	The Francis Crick Institute	Differential trafficking of <i>P. falciparum</i> 's exported proteins in response to febrile temperature heat stress
74	Dominic Selorm Yao Amuzu	MRC Unit, The Gambia at London School of Hygiene and Tropical Medicine	Distribution Of Polymorphisms In Malaria Associated Host Genes Arl15, Atp2b4, Cd40, G6pd And Inpp4b Across Selected Malaria Endemic African Populations
76	Amaya Ortega	Burnet	Dynamics And Longevity of IgG antibodies to <i>P.falciparum</i> antigens in pregnant women following infection and IPTp treatment: IMPROVE Clinical Trial.
78	Lizzie Tchongwe-Divala	University of Glasgow	Elucidating a putative role of PfNT1 in malaria transmission
80	Samuel Pazicky	School of Biological Sciences, Nanyang Technological University	Dynamics of protein complexes mapped in live malaria parasites
82	Sophia Raine Hernandez	Umeå University	EMAP3 is a novel protein exported to the surface of the <i>Plasmodium berghei</i> infected red blood cell
84	Charles Narh	Deakin University	Epidemiological overlaps in Malaria and COVID-19 in healthcare and community settings of Southern Ghana

86	Atefeh Fathi	Obihiro University Of Agriculture And Veterinary Medicine	Essential Role of Spherical Body Protein 3 on Survival and Ridge Formation of <i>Babesia bovis</i>
88	Lucie Paloque	Cnrs	Evolution of <i>Plasmodium falciparum</i> parasites sensitivity to artemisinin under selective pressure: a monitorable process
90	Jing Wen Ang	A*STAR / NTU	Examining the biological relevance of <i>Plasmodium</i> Interspersed Repeats (PIRs) in <i>Plasmodium yoelii</i>
92	Daniela Da Silva Goncalves	Burnet Institute	Expanding molecular detection of malaria utilising Rapid Diagnostics Tests from surveillance programs in the Greater Mekong Subregion
94	Yunyang Zhou	Monash Institute Of Pharmaceutical Sciences (MIPS)	Exploring the Potential of <i>Plasmodium falciparum</i> Exportin-1 as a Target for 2-Aminobenzimidazoles through Nuclear Fractionation Coupled Proteomics
96	Damen Dume	Infinity Bio, Inc.	Factors Influencing the Spread of Malaria in Cameroon: Perspective of the Local Communities.
98	Alessia Hysa	Burnet Institute / The University Of Melbourne	Fine specificity of RTS,S-induced antibodies in children to epitopes of the <i>Plasmodium falciparum</i> circumsporozoite protein and their correlation with protection.
100	Jonathan Suurbaar	University of Glasgow	Functional Characterization of Acetyl CoA transporter and NIMA related Kinases (NEK) in <i>Plasmodium berghei</i> gametocyte development
102	Jerzy Dziekan	The Walter and Eliza Hall Institute of Medical Research	Functional Proteomics approaches for drug-target identification and drug-mechanisms of action profiling in <i>Plasmodium falciparum</i>
104	WITHDRAWN		
106	Sandra Duffy	Griffith University	High-throughput evaluation of speed of kill and parasite stage of arrest: malaria drug discovery.

108	Nutpakal Ketprasit	Department Of Biochemistry And Pharmacology, Bio21 Institute, The University Of Melbourne	Hijacking tRNA charging process: a novel approach to combat malaria
110	Rafael Oliveira	Charité – Universitätsmedizin Berlin	Host iron environment impact on <i>P. falciparum</i> infection
112	Scott Chisholm	University Of Cambridge	hyperLOPIT spatial proteomics reveals the effect of <i>Plasmodium</i> infection on the host erythrocyte
114	Joseph Visone	Weill Cornell Medicine	Identification of a key regulatory mechanism influencing var switching and antigenic variation in <i>Plasmodium falciparum</i>
116	Natalie Counihan	Deakin University	Identification of novel <i>Plasmodium</i> proteins involved in parasite-host cell interactions
118	Kaitlin Pekin	Burnet Institute	Identifying Merozoite Surface Proteins as Targets of Protective Functional Antibody Responses against <i>Plasmodium falciparum</i> and <i>P. vivax</i> malaria
120	Jason Mcgowan	Anu	immune responses to <i>Plasmodium</i> induced cell wounding
122	Damian Oyong	Burnet Institute	Impact of splenic parasite reservoir on human germinal centre responses in asymptomatic <i>Plasmodium</i> infection.
124	Gigliola Zanghi	CGIDR	In vivo assessment of <i>Plasmodium vivax</i> Chesson liver stage infection: novel studies to assess hypnozoite formation, persistence, activation, and relapse
126	Sachie Kanatani	Johns Hopkins Bloomberg School of Public Health	Interrogating the <i>Plasmodium</i> oocyst using deep learning-based segmentation and 3D reconstruction
128	Kurt Ward	University of New South Wales	Investigating antimalarial resistance to proteasome inhibitors
130	Adele Lehane	Australian National University	Investigating <i>Plasmodium falciparum</i> transporters involved in drug action and resistance

132	Nicole Smith	Mcfadden Lab – University Of Melbourne	Investigating post-translational processing in the apicoplast to confirm mechanisms of clindamycin resistance in <i>Plasmodium berghei</i>
134	Kapil Pareek	Institute For Microbiology, University Hospital Erlangen	Investigating the effect of parasite density on parasite metabolism and epigenetic modifications
136	Robyn Mcconville	The Walter And Eliza Hall Institute	Investigating the role of HSP101 in <i>Plasmodium</i> pre-erythrocytic development
138	Katherine O’Flaherty	Burnet Institute	Investigation of the relationship between naturally acquired antimalarial antibodies and the duration and clearance of ultra-low density <i>Plasmodium vivax</i> infection
140	Dionne Argyropoulos	Bio21 Institute And The Peter Doherty Institute, The University Of Melbourne Department of Microbiology and Immunology, B	Local spatiotemporal population genetics of <i>Plasmodium falciparum</i> infections following the cessation of indoor residual spraying in Bongo District, Ghana
142	Kami Kim	University of South Florida	Machine learning analysis of parasite and host biomarkers that contribute to pediatric cerebral malaria phenotypes.
144	Françoise Benoit-vical	Inserm	Metabolism of <i>Plasmodium falciparum</i> artemisinin-resistant: a promising avenue for novel antiparasmodial drugs
146	Angela Rumaseb	Menzies School Of Health Research	MinION sequencing for rapid surveillance of imported <i>Plasmodium vivax</i> cases
148	Dawson Ling	Burnet Institute	MMV687794 impairs blood-stage <i>Plasmodium falciparum</i> invasion by perturbing lysophospholipids
150	Sachintha Wijegunasekara	Burnet Institute	Modular Amplicon Sequencing Analysis Platform (ASAPMod): An interactive, user-friendly modular platform for end-to-end analysis of targeted amplicon sequencing data

152	Lee Yeoh	Burnet Institute	Monoclonal antibodies to <i>Plasmodium vivax</i> AMA1 can elicit functional immune responses and reveal novel invasion interactions
154	Go Ka Diam	Nanyang Technological University	Multifaceted Artemisinin Mode of Actions in <i>Plasmodium falciparum</i> Investigated by Mass Spectrometry-Cellular Thermal Shift Assay (MS-CETSA) and Cryo-Electron Microscopy.
156	Jaison D Sa	WEHI	Nanobodies against malaria parasite adhesins that block invasion
158	Li-Jin Chan	WEHI	Nanobodies that block ancient fusogen HAP2 in malaria parasite fertilization
160	Yvonne Dube	The Peter Doherty Institute Of Infection And Immunity, University Of Melbourne	Non-pregnancy specific immunity: Understanding role of functional antibody features in protection from malaria in pregnant women
162	Anna Rosanas Urgell	Institute of Tropical Medicine, Antwerp	Novel HIVE sequencing technology makes single-cell sequencing possible for malaria field isolates
164	Chun Keung Pang	The Chinese University of Hong Kong	Orally-active malaria vaccine through Lactobacillus. casei – An in vitro validation
166	Omar Janha	University of Glasgow	PfCLK3 as putative master regulator of RNA-splicing in <i>Plasmodium</i> parasites.
168	Thi Kim Tuyen Nguyen	Oxford University Clinical Research Unit-vietnam	Pfhrp2 And Pfhrp3 Gene Deletions Among Symptomatic <i>Plasmodium Falciparum</i> Malaria Patients In Three Malaria Hot Spots Of Vietnam
170	Junpei Fukumoto	Institute Of Tropical Medicine, Nagasaki University	Pivotal role of <i>Plasmodium falciparum</i> lysophospholipid acyltransferase 1 (PflPLAT1) in cell cycle progression and cytosome internalization
172	Scott Millar	University Of Glasgow	<i>Plasmodium berghei</i> histone deacetylase 1 (HDA1) plays important, dual, sex specific roles in gametocyte maturation and viability

174	Julian Barth	Justus Liebig University Giessen	<i>Plasmodium falciparum</i> and human host chaperones, co-chaperones and their interaction as a target for drug development
176	Jesse Rop	University of Cambridge (Wellcome Sanger Institute)	<i>Plasmodium falciparum</i> relatedness and transmission in natural infections at single-cell resolution
178	Jacob Westaway	Menzies School Of Health Research	Population genetics analysis of <i>Plasmodium knowlesi</i> in Malaysia reveals complexity of human infections and differentiation of subpopulations in Borneo.
180	Audrey Sergerie	Laval University	Potential role of a phosphoinositide effector with a Pleckstrin Homology domain in organelle biogenesis in the malaria parasite <i>Plasmodium falciparum</i>
182	Dulcie Lautu-Gumal	Burnet Institute	Proliferation and spread of <i>Plasmodium falciparum</i> kelch13 C580Y mutations in parasite populations on the north coast of Papua New Guinea.
184	Salimata Kante	ICER-Mali/USTTB	Protective humoral response associated with <i>P.falciparum</i> Pf27 antigens and its ortholog <i>P.vivax</i> Pv27 in sera from malaria-endemic areas in Mali
186	Vrushali Khobragade	Nanyang Technological University	Regulation of <i>Plasmodium falciparum</i> gametocyte morphology
188	Lyn-marie Birkholtz	University Of Pretoria	Repositioning antitubercular clinical candidates as antimalarials with polypharmacology against multiple stages of <i>Plasmodium falciparum</i>
190	Jude Przyborski	Justus-liebig University Gießen	Reverse genetics reveals further proteins involved in host cell modification
192	AKACHUKWU ONWUKA	University of Melbourne	Role Of Igg Antibodies In Protection From Placental Malaria Birth Outcomes
194	Maria Gancheva	The University Of Adelaide	Screening a library of natural microbial metabolites against <i>Plasmodium falciparum</i>
196	Brendan Crabb	Burnet Institute	Sequence elements within the PEXEL motif and its downstream region modulate PTEX dependent protein export in <i>Plasmodium falciparum</i> .

198	Rebecca Lees	Birkbeck, University of London	Should I stay or should I go? Role of merozoite surface protein 1 in <i>P. falciparum</i> egress from erythrocytes
200	Dean Andrew	QIMR Berghofer	Spatial imaging and phenotypic analysis of immune cells and malaria parasites in <i>Plasmodium</i> infected human spleens
202	Maria Bernabeu	EMBL Barcelona	Stem cell-derived microvascular infection models to study malaria pathogenesis
204	Tamarah Koleala	Papua New Guinea Institute Of Medical Research	Strengthening vector-borne disease sentinel surveillance and use of data for decision-making in Papua New Guinea
206	Samuel Chamberlain	University of Oxford	Structural characterisation of RIFIN-immune receptor complexes and new insights into the regulation of innate immune signalling
208	Honghua Ding	The University Of Melbourne, The Peter Doherty Institute	Association of <i>Plasmodium falciparum</i> specific afucosylated IgG with immune protective function activation
210	Sachin Khurana	Walter And Eliza Hall Institute, Melbourne, Australia	Targeted protein degradation in the human malaria parasite
212	Josephine Boentoro	Nanyang Technological University	Temporal dose-response transcriptional profiling of drug-treated <i>Plasmodium falciparum</i> for elucidation of antimalarial mode of action
214	Katherine Andrews	Griffith University	The activity of slow-action antiplasmodial 1,3,4-oxadiazoles is associated with in vitro resistance to <i>P. falciparum</i> palmitoyltransferase DHHC7
216	Paul Gilson	Burnet Institute	The Dual Action of Human Antibodies Specific to <i>Plasmodium falciparum</i> PfRH5 and PfCyRPA: Blocking Invasion and Inactivating Extracellular Merozoites.
218	Célia Garcia	Faculdade de Ciências Farmacêuticas da Universidade de São Paulo – FCF/USP	The genetically encoded calcium indicator GCaMP3 reveals spontaneous calcium oscillations at asexual stages of the human malaria parasite <i>Plasmodium falciparum</i>

220	Pailene Lim	Walter And Eliza Hall Institute Of Medical Research	The molecular definition of potent <i>Plasmodium falciparum</i> invasion inhibitory epitopes on PTRAMP-CSS
222	Mohini Anjna Shibu	The University Of Melbourne	The PHIST protein PF3D7_0532300 interacts with the RBC membrane skeleton and modulates knob formation
224	Richard Bartfai	Radboud University	The protein landscape of the chromatin states in <i>P. falciparum</i> parasites
226	Sophia DonVito	London School of Hygiene and Tropical Medicine	The role of reticulocyte binding-like (RBL) and Duffy binding-like (DBL) proteins in host cell tropism during erythrocyte invasion.
228	Tomoko Ishino	Tokyo Medical And Dental University	The roles of rhoptry bulb proteins in <i>Plasmodium</i> sporozoites
230	Nicolas Aranciaga	Nanyang Technological University, Singapore	<i>Plasmodium knowlesi</i> 's transcriptomic-mediated adaptation to the human host
232	Melissa Hart	Royal Veterinary College	To process or not to process: the role of the Pfrh5 pro-domain in red blood cell invasion.
234	Krishanpal Karmodiya	Indian Institute of Science Education & Research, Pune.	Transcriptional heterogeneity and stress responses in artemisinin resistance
236	Sade Pratt	London school of hygiene and tropical medicine	Transmissibility to mosquitoes of African <i>Plasmodium falciparum</i> carrying emerging drug resistance-associated gene variants
238	Melissa Penny	Telethon Kids Institute	Understanding risk of malaria vaccine genotype replacement and spread
240	WITHDRAWN		
242	Ashton Kelly	The Institute for Molecular Bioscience	Unravelling the molecular basis of immune heterogeneity to <i>Plasmodium falciparum</i> infection using high-dimensional immune profiling
244	Kazuhide Yahata	Pros, Ehime University	Unveiling Gliding Motility in <i>Plasmodium</i> Merozoites

246	Stephanie Routley	Burnet Institute	Using ultra-sensitive qPCR to detect low-density <i>Plasmodium</i> spp. infections in Papua New Guinea
248	Joana Ferreira Costa	The University Of Melbourne	When SWEETs turn sour: a hypothesis for the origin(s) of parasitism in Apicomplexa
250	Niall Geoghegan	WEHI	4D Lattice Light Sheet Microscopy of cytoskeletal breakdown, tight junction formation and calcium signalling during <i>P.Falciparum</i> invasion of erythrocytes
252	Jasmin Akter	ICDDR,B, Bangladesh and Deakin University	Establishing genomic surveillance for early warning of antimalarial drug resistance in Bangladesh
254	Benjamin Seager	Walter And Eliza Hall Institute	A conserved molecular mechanism of erythrocyte invasion by malaria parasites
256	Mary-Louise Wilde	University Of Melbourne	Development of gene drives to directly target malaria parasites



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No.	Name	Organisation	Paper Title
1	WITHDRAWN		
3	Albina Waithaka	Umea University	A genetic screen for factors involved in translation de-repression of <i>Plasmodium berghei</i> maternal mRNAs.
5	Eleanor Silvester	University Of Cambridge	A novel combinatorial genetic approach to explore interdependencies between <i>Plasmodium falciparum</i> invasion ligands
7	Sumit Rathore	All India Institute of Medical Sciences, New Delhi	A <i>Plasmodium vivax</i> merozoite protein PvTRAg36.6 of PvFam-a family interacts with Transferrin receptor (CD71) on human reticulocytes for invasion process
9	Alyssa Barry	Deakin University	A population genomic model for measuring antigenic escape and predicting serotypes for malaria vaccine candidates
11	Grace Vick	University Of Georgia	A SNARE-like <i>Plasmodium</i> rhoptry neck protein is required for merozoite invasion.
13	Xuexin Xia	The University Of Melbourne	Adjustment of the sex ratio of malaria parasites and its influencing factors
15	Jennifer Le	Monash University	Amino alcohol partner drugs antagonise artemisinin activity and potentiate resistance in a ring stage survival assay
17	Emma McHugh	University of Melbourne	An essential dynamin-like protein at the cytosome of <i>Plasmodium falciparum</i>
19	Ryuta Ishii	Institute of tropical medicine, Nagasaki university	Analysis of liquid-liquid phase separation in <i>Plasmodium falciparum</i>

21	Elizabeth Villasis	Universidad Peruana Cayetano Heredia	Antibody parameters of <i>P. vivax</i> asymptomatic infections in the Peruvian Amazon.
23	Dionne Argyropoulos	Bio21 Institute And The Peter Doherty Institute, The University Of Melbourne Department of Microbiology and Immunology, B	Are semi-immune individuals with asymptomatic <i>Plasmodium falciparum</i> infections carriers of drug resistant parasites in a high-transmission setting in northern Ghana?
25	Marcus Lee	University Of Dundee	AReBar: an Antimalarial Resistome Barcode assay for target deconvolution
27	Madeline Dans	Wehi	Aryl acetamide compound MMV006833 inhibits a phospholipid transfer protein important for the development of newly invaded <i>Plasmodium falciparum</i> merozoites
29	Bhagyashree Deshmukh	Indian Institute of Science Education & Research, Pune, India	Assessing the efficiency of multi-protein chimeric antigens targeting the blood stage of <i>Plasmodium falciparum</i> using microfluidic systems
31	Jessica Loughland	Qimr-berghofer	Assessing the potential of <i>Plasmodium falciparum</i> to induce innate cell memory.
33	Victoria Mendiola	University Of Georgia	Assessing viability of <i>Plasmodium falciparum</i> ring stages after exposure to Artemisinin
35	Gillian Muchaamba	Institute Of Parasitology, Vetsuisse Faculty, University Of Zürich	Avian malaria: an emerging threat to captive and wild birds
37	Melanie Dietrich	WEHI	Blocking interactions of <i>Plasmodium falciparum</i> 6-cysteine proteins using inhibitory nanobodies
39	Thomas Lavstsen	University of Copenhagen	Broadly reactive human monoclonal antibodies against severe malaria-associated <i>Plasmodium falciparum</i> erythrocyte membrane protein 1
41	Sarah Farrell	The University Of Melbourne	Can we target the mosquito stages of <i>Plasmodium</i> with 'drugs' to reduce transmission?
43	Xiaoxia Lin	Chiba University	Challenges in elucidation of mitochondrial ribosome structure of the malaria parasite

45	Rebecca Edgar	University Of Dundee	Characterisation of a novel dual aminopeptidase inhibitor that shows cross-species reactivity and excellent potential as a novel partner drug
47	Cas Boshoven	Radboudumc	Characterising the binding and resistance mechanism of a novel class of potent antimalarials targeting a mitochondrial carrier protein.
49	Dina Coertzen	University Of Pretoria	Characterizing differential oxidative stress responses in <i>P. falciparum</i> asexual and gametocyte stages
51	Wenyin Su	Walter and Eliza Hall Institute of Medical Research	Chemical-genetics using substrate peptidomimetics defines their on-target activity for the essential malaria aspartyl protease, plasmepsin V
53	Hannah Kelly	Australian National University	Circumsporozoite-protein specific CD4+ T cells form resident memory population in the liver and may kill liver stage parasites in vivo
55	Annie Roys	Mips	Combination of redox modifiers with artemisinin results in increased parasite susceptibility to artemisinins
57	Julia Zerebinski	Karolinska Institute	Cross reactivity of antibody responses to <i>Plasmodium falciparum</i> vaccine candidate antigen MSP2 during natural infection
59	Jo-anne Chan	Burnet Institute	Deciphering the role of functional antibody responses in transmission-blocking immunity to <i>P. falciparum</i>
61	Timothy Ho	Burnet Institute/Monash University	Defining functional antibody epitopes of <i>P. falciparum</i> merozoite surface proteins to inform next-generation vaccine design
63	WITHDRAWN		
65	Ganesh Ram Visweswaran	Seattle Childrens Research Institute	Design and development of a multistage malaria vaccine
67	Brad Sleebs	Walter And Eliza Hall Institute	Development and characterisation of a novel antimalarial chemotype that targets PfATP4
69	WITHDRAWN		

71	Vishnu Teja Nallapati	Kasturba Medical College, Manipal, Manipal Academy Of Higher Education, Manipal	Diagnostic Performance of hemozoin-based assay versus Rapid Diagnostic Tests for Malaria detection in the southwestern region of India
73	Zuleima Pava	QIMR Berghofer	Dissecting malaria driven transcriptional changes longitudinally in patient single cell RNA seq data sets.
75	Paola Favuzza	WEHI	Dual Plasmepsin Inhibitors: 3 stage malaria inhibitory potency and robust <i>P. falciparum</i> resistance profile
77	Iset Vera	University of South Florida	Elevated thrombogenic autoantibodies in the pathogenesis of pediatric cerebral malaria.
79	Bárbara Karina de Menezes Dias	University of São Paulo	Elucidating the role of Pfk1K1 in <i>Plasmodium falciparum</i> melatonin mediated synchronization
81	Himashree Choudhury	Jawaharlal Nehru University	Elucidation of novel signaling pathways involved in egress of malaria parasite <i>Plasmodium falciparum</i> using genome editing tool
83	Franca Azzato	Victorian Infectious Disease Reference Laboratory	Enhancing <i>Plasmodium falciparum</i> drug resistance surveillance with capture-based sequencing
85	Jean-Michel Augereau	CNRS	Epidrugs for elimination of <i>Plasmodium falciparum</i> artemisinin-resistant and quiescent parasites, a promising therapeutic avenue.
87	Paul Pickering, Simone Dowd	ADFMIDI	Evaluating the performance of malaria LAMP in field setting for ADF-PNGDF malaria surveillance in PNG
89	Sonalika Kar	ICMR-National Institute of Malaria Research	Evolutionary inferences of <i>P. vivax</i> Duffy Binding Protein II (Pvdbp-II): the Indian scenario
91	Barbara Stokes	University of Glasgow	Examining the role of host cell maturation in malaria parasite development in the hematopoietic niche
93	Colin Sutherland	London School of Hygiene & Tropical Medicine	Experimental studies of drug, vaccine and gene variant impact on <i>Plasmodium</i> spp. infections in mosquitoes

95	Amaya Ortega	Burnet	Extracellular Vesicles released by <i>Plasmodium falciparum</i> -infected RBC induce pro-inflammatory mediators from leucocytes
97	Elizabeth Aitken	Peter Doherty Institute, University Of Melbourne	FcγRIIIA binding antibody on the surface of <i>Plasmodium falciparum</i> infected red blood cells is associated with protection from disease
99	Katrina Larcher	Wehi	Functional characterisation of the GAPM proteins in asexual and sexual stage development.
101	Joshua Waterhouse	Burnet Institute	Functional IgG to Merozoite Antigens AMA1 and MSP2 are associated with Protection from Malaria in a Longitudinal Malaria Cohort
103	Parsakorn Tapaopong	Mahidol Vivax Research Unit, Faculty Of Tropical Medicine, Mahidol University	Genetic diversity and molecular evolution of <i>Plasmodium vivax</i> Duffy Binding Protein and Merozoite Surface Protein-1 in northwestern Thailand
105	Roland Cooper	Dominican University Of California	High-level resistance to antimalarial acridones conferred by sequential mutations in the <i>P. falciparum</i> cytochrome B and dihydroorotate dehydrogenase genes.
107	Thorey Kolbrun Jonsdottir	Umeå University, The Laboratory for Molecular Infection Medicine Sweden (MIMS)	High-throughput gene editing system enables CRISPR screens in <i>Plasmodium berghei</i>
109	Noella Efange	University of Buea	Hit Discovery and Optimisation of Spiro-fused Tetrahydroisoquinoline-Oxindole Hybrids as a new class of Multitargeted and Multistage Active Antimalarial Compounds
111	Elena Lantero Escolar	Walter and Eliza Hall Institute of Medical Research	How to catch a parasite red-handed? Looking for <i>Plasmodium falciparum</i> exported proteins in the infected hepatocyte

113	Alicia Wagner	Northeastern University	Identification and structural optimization of a core-independent carboxamide chemotype as novel <i>P. falciparum</i> inhibitors
115	Martina Paoletta	Umeå University	Identification of novel <i>Plasmodium</i> exported proteins and their role in infection and disease
117	Herbert Opi	Burnet Institute	Identification of targets of protective antibody responses against <i>Plasmodium vivax</i> malaria using a multifunctional antibody profiling approach
119	Matthew Gibbins	University Of Glasgow	Imaging <i>Plasmodium berghei</i> gametocyte behaviour in the skin of mice
121	Richard Thomson-luque	University Of Heidelberg / Sumaya-biotech	Immunization with the <i>Plasmodium falciparum</i> full-length MSP1 malaria vaccine candidate SumayaVac-1 in naïve population
123	Konstantinos Kousis	The Francis Crick Institute	In need of calcium: the role of <i>Plasmodium falciparum</i> ATP6 in asexual blood stage development
125	Stephanie Studniberg	Monash Biomedicine Discovery Institute	Integrated systems immunology approach identifies persistent blood monocyte dysfunction induced by both symptomatic and asymptomatic <i>Plasmodium vivax</i> malaria
127	John McCauley	Msd	Invention of MK-7602: An antimalarial drug discovery academic/industrial collaboration
129	Leonhard Arinanto	The University Of Melbourne	Investigating Cytosolically Exposed Rhoptry-interacting Proteins (C-RIPs) of <i>Plasmodium falciparum</i> During Sporozoites Traversal and Invasion.
131	Morven Law	London School Of Hygiene And Tropical Medicine	Investigating post-translational modifications on <i>Plasmodium knowlesi</i> erythrocyte binding proteins during invasion
133	Erick T. Tjhin	The Australian National University	Investigating the antiplasmodial activity of spinosyns against <i>Plasmodium falciparum</i>

135	Bruce Munro	Jcsmr – Anu	Investigating the gametocytocidal activity of an anti-plasmodial peptide derived from a human host defence protein
137	Joyanta Modak	Deakin University	Investigating the role of TRX2 in trafficking malaria virulence proteins
139	Michael Filarsky	Eberhard Karls University Tuebingen	Locked to commitment – The role of long non-coding RNAs in regulating the onset of sexual commitment in <i>Plasmodium falciparum</i>
141	Cecilia Rios Teran	The University Of Melbourne	Longitudinal analysis of the prevalence of minor <i>Plasmodium</i> spp. infecting humans through sequential IRS and SMC interventions in northern Ghana
143	Sannia City	Wehi, Peter Doherty Institute, University Of Melbourne	Mapping The Landscape of Sex Determination in <i>P. Falciparum</i>
145	Geoff Birrell	Australian Defence Force Malaria And Infectious Disease Institute	Metabolism of Tafenoquine and Tafenoquine Drug Combinations In Vitro
147	Julie Verhoef	Radboudumc	Mitochondrial division in human malaria parasites
149	Benjamin Camm	University Of Melbourne	Modelling a gene drive in <i>Plasmodium</i>
151	Jaishree Tripathi	National University of Singapore	Molecular Characterization of Dihydroartemisinin Induced Dormant Persister Stage in <i>Plasmodium falciparum</i>
153	Lauren Holz	The University Of Melbourne	mRNA vaccine against malaria tailored for liver-resident memory T cells
155	Darren Creek	Monash University	Multi-omics analysis reveals the orphan <i>P. falciparum</i> protein kinase PfPK8 regulates AP2-12-dependent multi-gene family expression
157	Frankie Lyons	WEHI	Nanobodies targeting malaria transmission-blocking candidate
159	Patrick K. Tumwebaze	Griffith University, Nathan Campus, Brisbane, Au	New insights on the mode of action of the malaria drug proguanil

161	Giulia Pianta	London School of Hygiene and Tropical Medicine	Novel approach for rapid diagnostic test standards for non- <i>falciparum</i> malaria using <i>P. knowlesi</i> orthologue replacement
163	Paula Gomez Gonzalez	London School Of Hygiene & Tropical Medicine	Optimisation of inhibitors against the <i>Plasmodium falciparum</i> cyclic nucleotide-dependent phosphodiesterases
165	Anna Rosanas Urgell	Institute of Tropical Medicine, Antwerp	<i>P. vivax</i> genomics in South-America: a new reference genome (PvPAM) and population genetic analysis.
167	Brian Omondi	University Of Edinburgh	PfEMP1 IgM-binding phenotype greatly predates the origin of <i>Plasmodium falciparum</i>
169	Gonzalo Acevedo	University Of California	Pre-erythrocytic immunity beyond the sporozoite: CD4+ T cell responses against liver stage <i>P. falciparum</i> antigens in Ugandan children
171	Mathieu Gendrot	Nanyang Technological University	<i>Plasmodium falciparum</i> plasmepsin III long non-coding RNA implication in piperazine resistance.
173	Hardik Patel	Seattle Children's Research Institute	<i>Plasmodium</i> blood stage infection induced host cytokine responses suppress liver stage infection
175	Reena Mukhiya	QIMR Berghofer	<i>Plasmodium falciparum</i> induces enhanced and sustained cytokine responses in innate cells following secondary infection
177	Kirsty McCann	Deakin University	Population genetic signatures of <i>Plasmodium falciparum</i> transmission decline and rebound in a hyperendemic area of Papua New Guinea
179	Annie-Peiuyan Luo	Monash University	Potent and irresistible bis-1,2,4-triazines likely target the parasite nucleus
181	Jye Travis	Qimr Berghofer Medical Research Institute	Preliminary Elucidation of the Mechanism of Action of Tafenoquine on blood stages of <i>Plasmodium falciparum</i> , in vitro.
183	Linda Reiling	Burnet Institute	Protective associations for combinations of antibody responses inform multi-stage vaccine design

185	Eric Springer	Justus Liebig University Giessen	Real-time measurement of ATP – drug response in <i>Plasmodium falciparum</i> using genetically encoded fluorescent probes
187	Katie Hughes	University Of Glasgow	Regulatory protein complex dynamics during <i>Plasmodium berghei</i> gametocytogenesis
189	Debopam Chakrabarti	Burnett School Of Biomedical Sciences, University Of Central Florida	Repurposing YLIU-06-026-1, a type II human kinase inhibitor, identifies resistance-refractory prophylactic and therapeutic antimalarial
191	Naoaki Shinzawa	Tokyo Medical and Dental University	Rhoptry neck protein 4 is essential for merozoite invasion in <i>Plasmodium falciparum</i>
193	Bridget Barber	Qimr Berghofer Medical Research Institute	Ruxolitinib adjunctive treatment to reduce inflammatory responses in malaria: a randomised placebo controlled trial in volunteers infected with <i>P. falciparum</i>
195	Wisam Dawood	Griffith Institute For Drug Discovery	Screening virtual HDAC inhibitor libraries using QSAR in silico prediction models as a drug discovery tool for malaria
197	Caroline Duncombe	University of Washington	Sex hormones, CD8+ T cells, and the liver: how the endocrine-immune interface alters malaria liver-stage vaccine outcomes.
199	Francesca Florini	Weill Cornell Medicine	Single-cell transcriptomics reveals surprising heterogeneity in var gene expression
201	Leon Hugo	QIMR Berghofer Medical Research Institute	Spinosad as an endectocide for the control of Anopheles vectors of malaria
203	Michal Kucharski	Nanyang Technological University / University Of Amsterdam	STR polymorphism in the promoter region of cyclophilin 19B drives its transcriptional upregulation contributing to drug resistance in <i>Plasmodium falciparum</i>
205	Benedict Davies	The Francis Crick Institute	Structural and functional analysis of the malarial egress protein MSA180

207	Finn O'Donoghue	Rmit	Structural Phylogeny of Protein Kinases in <i>Plasmodium falciparum</i> : A Method for Inferring Function through Predicted Structure Comparison
209	Mariana Kleinecke	Menzies School Of Health Research	Targeted next generation sequencing assays to analyse <i>Plasmodium vivax</i> relatedness
211	Niniola Olaniyan	University Of Glasgow	Targeting protein kinase PfCLK1 inhibits schizont development in asexual blood stage.
213	Hayley Bullen	Burnet Institute	The 2-Anilino 4-Amino substituted quinazolines are irresistible and promiscuous
215	Tonny Jimmy Owalla	Department of Global Health, University of Washington	The daily natural history of asymptomatic <i>Plasmodium</i> infections in adults and older children in Katakwi, Uganda: a longitudinal cohort study
217	Jeremy Goodwin-Gower	QIMR Berghofer	The dynamics of parasite growth in <i>P. falciparum</i> and <i>P. knowlesi</i> co-cultures.
219	Zahra Razook	Deakin University	The Impact of Seasonal Malaria Chemoprevention (SMC) on <i>P. falciparum</i> Population diversity
221	Kioko Mwikali	KEMRI-Wellcome Trust Research Programme	The mRNA content of peripheral blood extracellular vesicles provides a window into cerebral malaria disease progression
223	Imam Fathoni	The Australian National University	The <i>Plasmodium</i> thiamine pyrophosphokinase activates an antiplasmodial thiamine analogue and is essential for sporozoite formation.
225	Sandra Bennink	Cellular And Applied Infection Biology, RWTH Aachen University, Germany	The role of putative mTORC-related kinases in translational regulation during <i>Plasmodium falciparum</i> transmission
227	Lara Bardtke	Charité Universitätsmedizin Berlin	The role of the innate immune system in semi-immunity to malaria
229	Xiangning Liu	Australian National University	The second enzyme in the CoA biosynthesis pathway is a novel heterotetrameric complex and the target of antiplasmodial pantothenate analogues

231	Katherine Andrews	Griffith University	Thymidine kinase-independent click chemistry DNADetect™ probes for assessment of DNA proliferation in malaria parasites
233	Amin Abbasi	JLU	Trafficking and sorting of proteins to the parasitophorous vacuolar membrane of <i>P.falciparum</i> : PfEXP1 as a model
235	Eva Stadler	Kirby Institute, Unsw Sydney	Translation of the Resistance Risk for the Antimalarial Drug Cabamiquine across Infection Models
237	Katelyn Stanhope	Burnet Institute	Transmission dynamics and population structure of <i>P. falciparum</i> and <i>P. vivax</i> in Mondulkiri Province, Cambodia
239	Mitchell Trickey	Deakin University	Understanding the role of rodent malaria clag genes in new permeation pathway formation
241	William Muasya	University Of Glasgow	Unravelling the Mechanisms of Blood-Brain Barrier Breakdown in Cerebral Malaria: Insights into <i>Plasmodium</i> Parasite Components
243	Luis Tavernelli	University Of Glasgow	Unravelling the role of PHISTc proteins in the delivery of malaria parasite antigen to the infected red blood cell surface
245	Nina Sophie Kuester	Jlu University Of Giessen	Using new genetic tools to elucidate the importance of exported proteins in the intra-erythrocytic survival and pathogenesis of <i>Plasmodium falciparum</i>
247	Melanie Lam	Biomedical Research, Novartis	Utilizing HaloTag Technology to Study Host-driven Targeted Degradation of Liver Stage Malaria Proteins
249	Eva Hesping	Walter And Eliza Research Institute	Whole-genome CRISPR/Cas9 screen to identify host factors involved in <i>Plasmodium falciparum</i> liver infection
251	Prasun Kundu	Cambridge Institute for Medical Research	Systematic reverse vaccinology screening for novel <i>Plasmodium vivax</i> blood-stage vaccine antigens
253	Ashley Osborne	Menzies School Of Health Research	Genomic epidemiology of <i>Plasmodium vivax</i> in the Indonesian archipelago

255	Scott Millar	University Of Glasgow	Unlocking Gametocyte Production: Investigating the role of ap2-g4 in P. knowlesi gametocytogenesis
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