

CURRICULUM VITAE for Professor Lars Hviid – ORCID ID: <https://orcid.org/0000-0002-1698-4927>

Born 14 January 1959, Frederiksberg (Copenhagen), Denmark.

Marital status: Married, 2 children (born 25/06/88, 01/06/00).

Work address:

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Qualifications:

- 2003 Evaluated as qualified as Professor, Faculty of Health Sciences, University of Copenhagen
- 1995 DMSc (dr.med.), Malaria Immunology, University of Copenhagen
- 1991 PhD, Malaria Immunology, University of Copenhagen
- 1987 M.Sc., Biology (Biology/Mathematics), University of Copenhagen
- 1977 A-levels, Sct. Annæ Gymnasium, Copenhagen

Honors:

- 2022-2024 Appointed member of the International Advisory Board of the Noguchi Memorial Institute for Medical Research, University of Ghana
- 2021 Member and elected Chair of the African Academy of Sciences (AAS) Advisory Committee for Medical and Health Sciences
- 2019 FAAS, Elected Fellow of the African Academy of Sciences (<https://www.aasciences.africa/fellow/lars-hviid>)
- 2019 President, Danish Society for Parasitology (<https://parasitology.dk/>)
- 2018 Member of the External Advisory Board of the Malaria Research Capacity Development (MARCAD) consortium
- 2015 Global Excellence in Health. Awarded by Region Hovedstaden (The Capital Region of Denmark; <https://www.regionh.dk/english/research-and-innovation/research/award/Pages/Global-Excellence-winners-2015.aspx>)
- 2013 FASTMH. Elected Fellow of the American Society for Tropical Medicine and Hygiene (<https://www.astmh.org/awards-fellowships-medals/astmh-fellows>)

Employment after graduation:

- 2011 Professor, Malaria Immunology and Pathogenesis, University of Copenhagen, 01/07/2011-
- 2011-2014 Head, Research Program in Global Health, University of Copenhagen
- 2006-2011 Professor MSO in Malaria Immunology and Pathogenesis, University of Copenhagen, 01/07/2006-30/06/2011
- 1998-2006 Head of Laboratory, Centre for Medical Parasitology, Copenhagen University Hospital (Rigshospitalet), 01/04/98-30/06/2006
- 1994-1998 Associate Professor (forsknings-lektor), Institute for Medical Microbiology and Immunology, University of Copenhagen, 01/10/94-31/03/98.
- 1991-1994 Senior research fellow (senior-stipendiat), Institute for Medical Microbiology and Immunology, University of Copenhagen, 01/10/91-01/10/94.
- 1987-1991 Grant-financed research associate at Department of Infectious Diseases, Copenhagen University Hospital (Rigshospitalet), 01/06/87-31/08/91.

Research grants:

- 2024-2027 "Does broadly cross-reactive and neutralizing IgG target complex epitopes not present in small vaccine antigens?". Financed by the Novo Nordisk Foundation (NNF) (principal investigator). Budget DKK 2.993.558.
- 2021-2024 "High-throughput mapping of antibody sequences to antigen specificity in placental malaria (PAMSEQ)". Financed by MSCA of the Commission of the European Communities (co-investigator; PI: Pilar Quintana). DKK 1,805,000
- 2021-2023 "High-throughput mapping of human antibody sequences to PfEMP1 malaria antigen specificity". Financed by the National Institutes of Health/National Institute of Allergy and Infectious Diseases, principal investigator). Budget USD 360,400.
- 2020-2022 "Towards a molecular understanding of how sickle-cell trait protects against severe *Plasmodium falciparum* malaria". Financed by Independent Research Fund Denmark (DFF) (principal investigator). Budget DKK 2,879,215.

- 2018-2023 “Accelerating the development of a malaria vaccine for Africa (MAVARECA-II)”. Financed by the Danish Research Council for Development Research (FFU) (principal investigator). Total budget DKK 10,000,000. (Danish budget allocation DKK 4,500,000).
- 2018-2019 “PfEMP1 selection of the malaria parasite *Plasmodium falciparum* for controlled human malaria infection studies”. Scholarship grant (Valdemar Vejlstrop) financed by Novo Nordisk Foundation. Budget DKK 150,000.
- 2015-2020 “Global Excellence in Health”. Financed by Region Hovedstaden (Capital Region of Denmark) (principal investigator). Budget DKK 1,750,000
- 2015-2018 “Towards a deeper understanding of the central pathogenic mechanism in *Plasmodium falciparum* malaria”. Financed by Rigshospitalet (principal investigator). Budget DKK 870,000.
- 2015-2016 “Vascular adhesion of malaria-infected erythrocytes that depends on IgM and α_2 -macroglobulin”. Financed by Novo Nordisk Foundation (principal investigator). Budget DKK 600,000.
- 2015-2018 “Adhesion of infected erythrocytes in severe *Plasmodium falciparum* malaria – a basic reappraisal of mechanisms and targets”. Financed by Danish Medical Research Council (FI-FSS) (principal investigator). Budget DKK 2,553,000
- 2013-2017 “Malaria vaccine research and capacity building in Ghana (MAVARECA)”. Financed by the Danish Research Council for Development Research (FFU) (principal investigator). Total budget DKK 10,103,202. (Danish budget allocation DKK 3,610,187).
- 2012-2014 Post-doc grant and *Sapere aude* award to Lea Barfod. Danish Medical Research Council (FI-FSS) (co-applicant). Budget 4,000,000.
- 2011-2014 “Molecular dissection of newly discovered PfEMP1-dependent immune evasion”. Lundbeckfonden (principal investigator). Total budget DKK 2,000,000.
- 2009-2014 “European Virtual Malaria Research Institute – EVIMalaR”. Network of Excellence. Financed by the Commission of the European Communities (participant, and Executive Committee member). Danish budget allocation DKK 768,000
- 2008-2013 “Membrane topology and quaternary structure of key parasite proteins involved in *Plasmodium falciparum* malaria pathogenesis and immunity”. Program of Excellence (Stjerneprogram), financed by University of Copenhagen. Budget DKK 20,000,000
- 2008-2011 “Mimotope analysis of B-cell epitopes in surface-exposed *Plasmodium falciparum* antigens”. Financed by the Danish Medical Research Council (FI-FSS). Budget DKK 1,600,000
- 2008-2010 “Human monoclonal antibodies as tools to investigate *Plasmodium falciparum* pathogenesis and immunity”. Financed by Rigshospitalet (principal investigator). Budget DKK 900,000
- 2007-2009 “Pregnancy-malaria initiative II”. Financed by Bill and Melinda Gates Foundation (sub-contractor - Main contractor: Patrick Duffy, SBRI, Seattle, USA). Total budget USD 10,000,000; Danish budget DKK 23,000,000.
- 2007-2009 “Mother-child health in Southern Ghana – malaria in pregnancy and childhood” [900-RH]. Financed by the Danish International Development Agency (principal investigator). Budget DKK 1,800,000
- 2006-2008 “HUMALMAB. Human monoclonal antibodies as tools for malaria research and therapy”. Financed by the Commission of the European Communities (principal investigator). Total budget DKK 7,200,000.
- 2006 Antibody-mediated inhibition of adhesion of *Plasmodium falciparum*-infected erythrocytes to the choriocarcinoma cell line BeWo” [271-06-0008]. Scholar stipend to Christentze Schmiegelow. Financed by Danish Medical Research Council (FI-FSS). Budget DKK 122,000 (principal investigator).
- 2005-2010 “Protective immunity against severe malaria in young children”. Financed by Grand Challenges in Global Health (sub-contractor – Main contractor: Patrick Duffy, SBRI, Seattle, USA). Total budget USD 19,000,000; Danish budget DKK 23,000,000
- 2005-2008 “Continued development of vaccines against *Plasmodium falciparum* malaria, based on variant surface antigens”. Financed by Rigshospitalet (principal investigator). Budget DKK 600,000
- 2004-2006 “Molecular characterization of *Plasmodium falciparum* variant erythrocyte surface antigens, with special reference to development of vaccines to protect young children and pregnant women against malaria”. Financed by Danish Medical Research Council [22-03-0333] (principal investigator). Budget DKK 1,050,000
- 2002-2004 “Development of vaccines against *Plasmodium falciparum* malaria, based on variant surface antigens”. Financed by Rigshospitalet [36/03r] (principal investigator). Budget DKK 75,000
- 2001-2004 “PAMVAC. Cluster of 5 European research groups with a view to develop vaccines against pregnancy-associated *Plasmodium falciparum* malaria” (co-investigator). Danish budget allocation EUR 234,600
- 2000-2004 EUROMALVAC. Cluster of 12 European research groups with a view to develop vaccines against *Plasmodium falciparum* malaria” (co-investigator). Danish budget allocation EUR 90,000
- 2000-2002 “Joint Malaria Programme”. Financed by Danida (co-investigator). Budget DKK 6,000,000

- 1999-2001 "IL-10 and TNF production in severe malaria anaemia: interplay between the parasite and the host". Financed by INCO-DC of the Commission of the European Communities [contract ERBIC18 CT98 0370] (co-investigator). Danish budget allocation EUR 80,300
- 1999-2001 "Cytokine-producing cells and the pathogenesis of *Plasmodium falciparum* malaria". Financed by Danish Medical Research Council [9802405 kg/mp] (co-investigator). Budget DKK 1,100,000
- 1999-2000 "Regulation of activated B cells as an immunological link between malaria and the cancer Burkitt's lymphoma". Financed by the Danish Research Council for Development Research (co-investigator). Budget DKK 500,000
- 1998-2000 "Naturally acquired protection against *Plasmodium falciparum* malaria: the variant-specific (PfEMP1) immune response with particular reference to the reduced protection in pregnant women". Financed by Danish Medical Research Council [9702273 kg/lpa] (principal investigator). Budget DKK 450,000
- 1993-2005 "Accra-Copenhagen Research Link. Malaria Research Component". Financed by the Danish International Development Agency [104.Dan.8.L.306] (principal investigator). Budget DKK 23,000,000
- 1993-1996 "The interplay between parasites, endothelium and the cells of the immune system during *Plasmodium falciparum* malaria". Financed by the Danish Medical Research Council (co-investigator). Budget DKK 450,000
- 1991-1998 "Changes in distribution and function of T lymphocytes in acute malaria". Financed (salary support) by University of Copenhagen (10/91-09/94; principal investigator), Weimann Foundation (10/94-03/98; principal investigator)
- 1991-1993 "Cell-mediated immunity in malaria and leishmaniasis. *In vitro* reactions in immune and non-immune donors and immunological characterisation of parasite antigens". Financed by the Danish Medical Research Council and the Danish Research Council for Development Research (co-investigator). Budget DKK 873,000
- 1990-1996 "Danish-Sudanese collaborative research and training programme on malaria and leishmaniasis". Research Strengthening grant. Financed by Danida (co-investigator). Budget DKK 9,000,000
- 1988-1991 "Immunity to Leishmania infection. Interactions between the parasite, cells of the immune system, and membrane-stabilising drugs". Financed by the EU (co-investigator). Budget DKK 1,900,000
- 1987-1990 "Cell-mediated immune responses to *Plasmodium falciparum* infection in individuals from Sudan. Characterisation of these responses and their correlation with antibodies and non-antibody factors in plasma". Financed by WHO/TDR (co-investigator), Danish Medical Research Council (co-investigator) and Danida (principal investigator (with Thor G. Theander)). Budget DKK 1,500,000

Patents:

- 2003 Salanti A, Theander TG, Hviid L, Staalsoe T, Lavstsen T, Jensen ATR, Dahlbäck M. Compounds useful in the diagnosis and treatment of pregnancy-associated malaria. Denmark patent 2003, P33116PC01-WO2004067559-A, 30/12/2003
- 2003 Theander TG, Salanti A, Hviid L, Staalsoe T, Lavstsen T, Jensen ATR, Jørgensen L, Magistrado P, Nielsen MA. Compounds useful in the diagnosis and treatment of malaria. Denmark patent 2003, P36017DK01, 30/12/2003

Teaching experience:

Pre-graduate teaching:

- 2017- Course leader, Cellular and Molecular Immunology.
- 2012- Class-room teaching (SAU) of medical students in immunology (6x3 hours), once each semester.
- 2006-2011 Ad-hoc teaching (lectures, laboratory exercises) of medical students in aspects of medical microbiology (bacteriology, immunology, parasitology) in relation to my employment as Professor MSO at Institute for Medical Microbiology and Immunology, University of Copenhagen.
- 1991-2005 Ad-hoc teaching (lectures, laboratory exercises) of medical students in aspects of medical microbiology (bacteriology, immunology, parasitology) in relation to my employment as external associate professor (ekstern lektor) at Department of Medical Microbiology and Immunology, University of Copenhagen.

Individual supervision of pre-graduate students:

- 2024 Elisabeth Køhler Andersen, Medical Bachelor Project (OSVAL-I).
- 2024 Troels Dan Rohde and Nicolai Hovmand Fogh, Medical Bachelor Project (OSVAL-I).

- 2023 Micca Olivia Neusinger, Human Biology Project. Cellular mechanisms driving the afucosylation of *Plasmodium falciparum* erythrocyte membrane 1-specific IgG antibody.
- 2023 Karin Holm Simonsen, Medical Bachelor Project (OSVAL-I). Placental malaria, VAR2CSA and the difference between naturally acquired and vaccine-induced immunity to VAR2CSA.
- 2022-2023 Henriette Hoffmann-Veltung, Masters thesis project. Allelic variant cross-reactivity of PfEMP1-specific monoclonal IgG.
- 2021 Katja Taylor Hjerkin, Medical Bachelor Project (OSVAL-I). Antigen-specific afucosylation of IgG antibodies as a new balanced polymorphism.
- 2021 Rikke Bjulf, Medical Bachelor Project (OSVAL-I). The development of a VAR2CSA-derived vaccine to prevent placental malaria.
- 2021 Emilie Sofie Lisegaard, Medical Bachelor Project (OSVAL-I). The significance of IgG and IgM regarding malaria immunity.
- 2021 Mahsun Kizilkaya, Medical Bachelor Project (OSVAL-I). Glycosylation of the IgG Fc region: role in binding to FcγR
- 2021 Claus Dall Johansen, Medical Bachelor Project (OSVAL-I). Malaria vaccines: Immunological dilemmas and possible solutions.
- 2021 Henriette Hoffmann-Veltung, Bachelor Project. Functional antibody responses against *Plasmodium falciparum*.
- 2020 Camille Caroline Højer Winther, Medical Bachelor Project (OSVAL-I). Pregnancy-associated *Plasmodium falciparum* malaria and VAR2CSA-based vaccines against placental parasites (“Graviditets-associeret *Plasmodium falciparum* malaria og VAR2CSA-baserede vacciner mod parasitterne i placenta”).
- 2020 Sanne Bundgaard, Medical Bachelor Project (OSVAL I). The impact of HbAS on placental malaria (“HbAS genotypens indvirken på placental malaria”).
- 2019 Morten Pontoppidan, Masters project (University of Copenhagen). The Impact of sickle cell trait on *Plasmodium falciparum* malaria: Overview of the current evidence for protection and exploring potential mechanisms by qualitative and quantitative *in vitro* assays.
- 2019 Valdemar Vejlstrop, Masters project (University of Copenhagen). The effect of PfEMP1 on NK cell-mediated ADCC in *Plasmodium falciparum* parasites.
- 2019 Søren Steenstrup Zeeberg, Bachelor project (Technical University of Denmark). Dimensionality reduction techniques in malaria immunology and pathogenesis research.
- 2019 Anna Christina Lin Halskov, Medical Bachelor Project (OSVAL I): How antibody-opsonized parasites evade classical complement attack (“Hvordan antistof-opsoniserede malaria-parasitter undgår at aktivere den klassiske komplement-kaskade”).
- 2018 Amalie Hørlykke Dalsgaard, Medical Bachelor Project (OSVAL I): Rosetting and cytoadhesion in *Plasmodium falciparum* malaria infection.
- 2017 Nosheen Akhtar, Medical Bachelor Project (OSVAL I): Erhvervet immunitets rolle i beskyttelsen mod malaria hos personer med HbAS.
- 2016-2018 Mads Delbo Larsen. Master thesis project: Evasion of complement-mediated destruction of IgG-opsonized erythrocytes infected by the malaria parasite *Plasmodium falciparum*.
- 2016 Joel Emanuel Jörn, Medical Bachelor Project (OSVAL I): The Vγ9Vδ2 T-cell subset’s role in *Plasmodium falciparum* malaria.
- 2016 Andreas Bendtsen, Medical Bachelor Project (OSVAL I): Development of a VAR2CSA-based vaccine against pregnancy-associated malaria – aimed at the CSA-binding part of VAR2CSA.
- 2016 Lykke Holm, Medical Bachelor Project (OSVAL I): Komplement-systemets rolle i immunforsvaret mod *Plasmodium falciparum* malaria.
- 2014 Maria Hansen, Medical Bachelor Project (OSVAL I): Betydningen af atypiske/”udmattede” B-celler for immunologisk hukommelse
- 2013 Cecilie Dam Vestergaard: Medical Bachelor Project (OSVAL I): *Plasmodium vivax* og Duffy-receptoren.
- 2012 Bibi Uhre Nielsen, Medical Bachelor Project (OSVAL I): Effektiviteten af børns immunforsvar mod en malariavaccine.
- 2012 Julie Kjems, Medical Bachelor Project (OSVAL I): Immunterapiens indtog: Provenge.
- 2012 Julie Moltke-Huitfeldt (Medical Bachelor Project; OSVAL I): B-cell immunological memory to malaria antigens.
- 2012 Vincent Fougner, Medical Bachelor Project (OSVAL I): *Plasmodium vivax* during pregnancy: where are we now?
- 2011-2012 Katharina Quadt (Medical Biotechnology student)
- 2010-2011 Anine Jeppesen (speciale-studerende)
- 2010 Simon Mogensen Medical Bachelor Project (OSVAL I):
- 2010 Sofie Ramskov (Medical Candidate Project (OSVAL II):
- 2010 Mark Luciani (Medical student)
- 2009-2010 Jonas Bruun (speciale-studerende, Cand. scient. (nano-science), University of Copenhagen)

- 2009 Ida Engell (Medical Candidate Project (OSVAL II): The role of the antigen VAR2CSA in pregnancy-associated *Plasmodium falciparum* malaria, and the possibilities of using this antigen in a vaccine)
- 2009 Lasse Malmqvist (Medical Bachelor Project (OSVAL I): Efficacy, duration and safety of RTS,S against *P. falciparum* malaria)
- 2009 Trine Tang Thomsen (Medical Bachelor Project (OSVAL I): Endemic Burkitt's lymphoma and *falciparum* malaria)
- 2009 Yuki Andersen (Medical Bachelor Project (OSVAL I):
- 2008-2009 Sarah Bøje (speciale-studerende, Cand. scient. (biology), University of Copenhagen)
- 2008 Bianca Stammler (Medical Candidate Project (OSVAL II): Iron deficiency anemia and malaria)
- 2008 Magnus Rasch (Medical Bachelor Project (OSVAL I): Intermittent preventive treatment of *Plasmodium falciparum* malaria)
- 2005-2006 Jorid Sørli (speciale-studerende, Cand.scient. (biology), University of Copenhagen)
- 2002-2004 Uzma Sarwar (speciale-studerende, Cand.scient. (biochemistry), University of Copenhagen)
- 2001-2003 Anders Enevold Christensen (speciale-studerende, Cand.scient. (biology), University of Copenhagen)
- 2001-2003 Lykke Pedersen (speciale-studerende, Cand.scient. (biology), University of Copenhagen)
- 2000-2001 Maja Lundqvist (Cand.polyt.), Danish Technical University
Christentze Schmiegelow (OSVAL II: Antibody-mediated inhibition of Plasmodium falciparum-infected erythrocytes to the choriocarcinoma cell line BeWo)
- 1999-2002 Hanne Zornig (speciale-studerende, Cand.scient. (biochemistry), University of Copenhagen)
- 1999-2001 Morten Nielsen (speciale-studerende, Cand.scient. (biology), University of Copenhagen)
- 1998-1999 Birgitte Lindegaard Madsen (Scholar stipendiate, Faculty of Health Sciences, University of Copenhagen)
- 1997-2000 Christina Ricke (speciale-studerende, Cand.scient. (biology), University of Copenhagen), Copenhagen)
- 1996-1998 Michael Ofori (MPhil (biochemistry), University of Ghana)
- 1995-1996 Nanna Sørensen (speciale-studerende, Cand.scient. (biology), University of Copenhagen)
- 1992-1994 Annika Felsing (speciale-studerende, Cand.scient. (biology), University of Copenhagen)
- 1991-1994 Daniel Dodoo (MPhil (biochemistry), University of Ghana)

Individual supervision of post-graduate students:

- 2019-2023 Asier Garcia Senosiain (PhD student, University of Copenhagen)
- 2018-2023 Zakaria Seidu (PhD student, University of Ghana)
- 2018-2023 Nsoh Godwin Anabire (PhD student, University of Ghana)
- 2016-2019 Cecilia Smith (PhD student, University of Ghana): Understanding the role and molecular mechanisms of *Plasmodium falciparum* and Epstein-Barr virus infections in the pathogenesis of endemic Burkitt's lymphoma.
- 2014-2018 Frederica Dedo Partey (PhD student, University of Ghana)
- 2014-2016 Betty Bando (PhD student, University of Ghana)
- 2014-2018 Rebecca Wendelboe Olsen (PhD student, Faculty of Health and Medical Sciences, University of Copenhagen)
- 2010-2015 Liz Stevenson (PhD student, Faculty of Health Sciences, University of Copenhagen)
- 2010-2014 Paulina Ampomah (PhD student, Faculty of Health Sciences, University of Copenhagen)
- 2007-2012 Sanne Schou (PhD student, Faculty of Health Sciences, University of Copenhagen)
- 2007-2010 Jorid Sørli (PhD student, DTU)
- 2005-2008 Christina Ricke (PhD student, Faculty of Health Sciences, University of Copenhagen)
- 2003-2006 Lea Barfod (PhD student, Faculty of Health Sciences, University of Copenhagen)
- 2002-2007 Maja Lundquist (PhD student, Faculty of Health Sciences, University of Copenhagen)
- 2002-2005 Michael Ofori (PhD student, Faculty of Health Sciences, University of Copenhagen)
- 2001-2005 Lasse Vestergaard (PhD student, Faculty of Health Sciences, University of Copenhagen)
- 2001-2005 Morten Nielsen (PhD student, Faculty of Health Sciences, University of Copenhagen)
- 1996-2001 Trine Staalsø (PhD student, Faculty of Health Sciences, University of Copenhagen)
- 1996-2000 Kåre Kemp (PhD student, Faculty of Health Sciences, University of Copenhagen)
- 1995-1999 Daniel Dodoo (PhD student, Faculty of Medicine, University of Copenhagen)
- 1994-1999 Haider Giha (PhD student, Faculty of Medicine, University of Copenhagen)
- 1991-1995 Ibrahim Elhassan (PhD student, Faculty of Medicine, University of Copenhagen)

Evaluation of dissertations, theses etc.:

- 2024 Chairman at PhD defence of Kasper Björnsson, University of Copenhagen, Denmark. "Informing vaccine design of malaria and SARS-CoV-2 through monoclonal antibody epitope mapping".
- 2024 Evaluator of PhD thesis by Nora Nghochuzie Nganyewo, University of Ghana, Accra, Ghana. "Genetic variation and invasion phenotypes of *Plasmodium falciparum* in The Gambia".

- 2023 Evaluator of PhD thesis of Prince Nyarko, Université de Montpellier, Montpellier, France. "Finding a needle in a haystack: Tackling low density *P. falciparum* infections" (viva 18/12/2023)
- 2023 Evaluator of PhD thesis (re-evaluation) by Mubarak, Abdel-Rahaman, University of Ghana, Accra, Ghana. "Determinants of asymptomatic *Plasmodium falciparum* infections in a high endemic area of Ghana".
- 2023 Chairman at PhD defence of Ruth Nyakundi, University of Copenhagen, Denmark. "Effects of chronic helminth-malaria co-infection on disease burden, acquired and foetal immunity to malaria infection".
- 2022 Evaluator of application for promotion to Full Professor from Muzamil Abdelhamid, University of Khartoum, Sudan
- 2022 Chairman at PhD defence of Fatima Abdul Hassan Al-Jaberi, University of Copenhagen, Denmark. "Novel insight in vitamin D receptor-based immune regulation".
- 2022 External examiner of BSc thesis by Rebecca Krebs, Technical University of Denmark (DTU). "Importance of cIAP antagonization in psoriasis"
- 2021 Evaluator of PhD thesis by Dominic Selorm Yao Amuzu, University of Ghana, Accra, Ghana. "Characterization of Glycophorin B deletion variants, and their functional effects on *Plasmodium falciparum* Infection".
- 2021 Evaluator of application for promotion to Full Professor from Dean Goldring, University of KwaZulu-Natal, South Africa
- 2021 Evaluator of PhD thesis by Mubarak Abdul Rahaman, University of Ghana, Accra, Ghana. "Determinants of asymptomatic *Plasmodium falciparum* infections in a high endemic area of Ghana".
- 2021 External examiner of MSc thesis by Theis Hvidtfeldt, Technical University of Denmark (DTU)
- 2019 Evaluator of PhD thesis of Bernard Tornyigah, Université Paris Descartes, France
- 2017 External examiner of PhD thesis by Gathoni Kamuyu, Open University (University of Oxford), UK
- 2017 Evaluator of application for promotion to Associate Professor from Alfarazdeg Ageed Saad Mohammed, University of Khartoum, Sudan
- 2016 Chairman at PhD defence of Regis Tiendrebeogo, University of Copenhagen, Denmark. "Protective role of IgG and FcγRs in *Plasmodium falciparum* malaria".
- 2016 Chairman at PhD defence of Martha Zewdie Gebeyehu, University of Copenhagen, Denmark. "Analysis of immune responses and regulatory T cells in tuberculosis".
- 2016 External examiner of PhD thesis by Yvonne Azasi, University of Edinburgh, UK. "Plasmodium falciparum binding interactions with human brain endothelial cells".
- 2016 External examiner of PhD thesis by Steven Batinovic, University of Melbourne, Australia. "A network of protein interactions involved in the trafficking of PfEMP1 in Plasmodium falciparum-infected erythrocytes".
- 2015 External examiner of PhD thesis by Wiebke Nahrendorf, Radboud University, Nijmegen, Netherlands. "*Plasmodium* life-cycle specific protection and humoral responses against malaria after chemoprophylaxis and sporozoite immunization"
- 2015 External examiner of PhD thesis by Jenny Howard, University of Bordeaux, France. "Role of human gamma/delta T lymphocytes in the instruction of the adaptive immune response against *Plasmodium falciparum* infection"
- 2015 External examiner of PhD thesis by Carolyne Ndila, University of Oxford, UK. "Association analysis of additive effects and epistasis between human candidate malaria protective genes".
- 2014 External examiner of PhD thesis by Joseph John Campo, Jr., University of Barcelona, Spain. "Study of Plasmodium falciparum asexual blood stage antibodies associated with sustained protection in Mozambican children vaccinated with RTS,S/AS02A".
- 2014 External examiner of PhD thesis by Maiga Bakary, University of Stockholm, Sweden
- 2013 External examiner of PhD thesis by James Tuju, Open University (Liverpool School of Tropical Medicine), UK
- 2011 External examiner of PhD thesis by Judith Stephens, University of Ghana, Accra, Ghana
- 2011 Opponent at doctoral defence of Halima Balogun, Department of Immunology, University of Stockholm, Sweden
- 2011 External examiner of PhD thesis by Jaime Gallegos, University of Nottingham, Nottingham, UK
- 2010 Opponent at PhD defence of Tara Elvang, University of Copenhagen
- 2010 External examiner of MPhil dissertation by Akua Agyeman-Budu, University of Ghana, Accra, Ghana
- 2009 External examiner of MPhil dissertation by Vida Esinam Hotor, University of Ghana, Accra, Ghana
- 2009 External examiner of PhD thesis by Rita Neres, University of Lisbon, Portugal. "Experimental pregnancy-associated malaria: immunopathological components"
- 2007 External examiner of PhD thesis by Onome J Akpogheneta, University of London, London, UK
- 2007 External examiner of PhD thesis by Helen Kyriacou, University of Edinburgh, Edinburgh, UK

- 2007 External examiner of MPhil dissertation by Selorme Adukpo, University of Ghana, Accra, Ghana
- 2007 External examiner of MPhil dissertation by Daniel Amoako-Sakyi, University of Ghana, Accra, Ghana
- 2006 Opponent at PhD defence of Marina von Essen, University of Copenhagen, Denmark
- 2006 Opponent at PhD defence of Peter Ellekvist, University of Copenhagen, Denmark
- 2006 External examiner of MPhil dissertation by John Tetteh, University of Ghana, Accra, Ghana
- 2006 External examiner of PhD thesis by Peter Vuzi, Makerere University, Kampala, Uganda
- 2005 External examiner of MPhil dissertation by Helena Nartey, University of Ghana, Accra, Ghana
- 2005 External examiner of PhD thesis by Bismarck Yaw-Sarfo, University of Ghana, Accra, Ghana
- 2005 Evaluator of application for promotion to Associate Professor from Laud Okine, University of Ghana, Accra, Ghana
- 2005 External examiner of MPhil dissertation by Anastasia Ocran, University of Ghana, Accra, Ghana
- 2004 Opponent at doctoral defence of Ahmed Bolad, University of Stockholm, Sweden
- 2004 External examiner of MPhil dissertation by Francis Toku, University of Ghana, Accra, Ghana
- 2003 External examiner of MPhil dissertation by Godfred Futagbi, University of Ghana, Accra, Ghana
- 2002 External examiner of MPhil dissertation by Gordon Awandare, University of Ghana, Accra, Ghana
- 2001 Opponent at doctoral defence of Shewangizaw Worku, University of Stockholm, Sweden
- 2001 External examiner of MPhil dissertation by Gideon Helegbe, University of Ghana, Accra, Ghana
- 2001 External examiner of MPhil dissertation by Bridgette-Marian Ogoe, University of Ghana, Accra, Ghana
- 2000 Opponent at doctoral defence of Carin Scholander, Karolinska Institute, Stockholm, Sweden
- 1999 Opponent (chairman) at PhD defence of Peter Leutscher, Danish Bilharziasis Laboratory, Copenhagen, Denmark
- 1998 Opponent at doctoral defence of Abu Bakar Siddique, Department of Immunology, University of Stockholm, Sweden

Invited lectures, International meetings:

- 2025 Keynote speaker. Gordon Research Conference, Spain.
- 2025 Keynote speaker. Keystone Symposium. Santa Fe, NM, USA (30/03-03/04)
- 2024 "Antigen recognition and effector function differ between naturally acquired and vaccine-induced VAR2CSA-specific IgG". 12th African Congress of Immunology (FAIS2024), Cotonou, Benin (09-13/12)
- 2024 Plenary speaker: "Fc-afucosylation of PfEMP1-specific IgG is an important determinant of clinical protection against *Plasmodium falciparum* malaria. WACCBIP Annual Research Conference, Accra, Ghana (29/07-02/08)
- 2024 Keynote speaker: "Targets and effector functions of IgG targeting *Plasmodium falciparum*-infected erythrocytes (new twists to an old tale)". 8th MIM Pan-African Malaria Conference, Kigali, Rwanda (21-27/04/2024)
- 2023 "Capacity-building in Ghana: The Danish experience in malaria research after 32 years!". NMIMR Annual Research Meeting, Accra, Ghana (24/11)
- 2023 "All that glitters is not gold: Naturally acquired vs. vaccine-induced *Plasmodium falciparum* malaria-specific immunity". WACCBIP Annual Research Conference, Accra, Ghana (28/07)
- 2023 "Thoughts on naturally acquired and vaccine-induced immunity to *Plasmodium falciparum* malaria". Nobel Forum, Stockholm, Sweden (02/05)
- 2023 "Acquired immunity to malaria: Why PfEMP1 is a key target". Vanderbilt University Medical Center, Nashville, TN, USA (12/04)
- 2023 "Towards an efficacious vaccine against malaria". Institute of Endemic Diseases, University of Khartoum, Sudan (08/01)
- 2023 "Towards an efficacious vaccine against malaria". Faculty of Medicine and Health Sciences, University of Dongola, Sudan (12/01)
- 2023 "Towards an efficacious vaccine against malaria". Department of Zoology, University of Khartoum, Sudan (15/01)
- 2023 "Acquisition of immunity to infectious diseases I: The case of *Plasmodium falciparum* malaria in African children. Institute of Endemic Diseases, University of Khartoum, Sudan (16/01)
- 2023 "Acquisition of immunity to infectious diseases II: The case of *Plasmodium falciparum* malaria in African pregnant women. Institute of Endemic Diseases, University of Khartoum, Sudan (18/01)
- 2022 Keynote speaker, "Towards malaria eradication: Research progress and scientific challenges", XV International Congress of Parasitology (ICOPA 2022), Copenhagen, Denmark (24/08)
- 2021 "Fc-dependent effector function of PfEMP1-mediated antibodies and immunity to *Plasmodium falciparum* malaria". Invited speaker for [Malaria Seminar, Johns Hopkins Malaria Research Institute, Baltimore, MA, USA](#) (24/09) [via Zoom]
- 2021 "Antibody-mediated immunity to malaria – both ends matter!" Plenary speaker, [Federation of African Immunological Societies \(FAIS\) meeting, Lilongwe, Malawi](#) (04/08) [via Zoom]

- 2021 "Immunity to malaria: A tale of PfEMP1-specific antibodies with an unexpected twist at the end" ApiHour seminar, Crick Institute, London, UK (26/03) [via Zoom]
- 2020 "Naturally acquired antibody responses to VAR2CSA: a key parasite antigen in placental *Plasmodium falciparum* malaria". Keynote speaker, Landsteiner lecture series, Sanquin, Amsterdam, Netherlands.
- 2019 "From malaria in pregnancy to VAR2CSA-based vaccines and beyond". 1st Annual Gabrielle and Sanford Kuvin Lecture. The Hebrew University of Jerusalem, Israel (11/11).
- 2018 "PfEMP1-specific immunity to malaria: the current state-of-affairs". WACCBIP Research Conference, University of Ghana, Accra, Ghana (18-20/07)
- 2018 "Update on malaria vaccines". 7th Northern European Conference on Travel Medicine (NECTM7), Stockholm (02-04/05)
- 2017 Sultan Qaboos University Symposium, "Asymptomatic *P. falciparum* infections: how they are maintained, for how long, and do they really matter?", Muscat, Oman (11/04).
- 2017 MRC Advanced Course on Immunology. Three lectures: "Malaria: Asexual-stage immunity II (VSA/PfEMP1)", "Malaria parasite evasion of host immunity", "Parasite evolution". Fajara, Gambia (04-09/12)
- 2016 First WACCBIP Research Conference, University of Ghana, Accra, Ghana (14-15/07)
- 2016 Faculty seminar "*Plasmodium falciparum*: why knobs, why rosettes, why bother?", Institute of Immunology and Infection Research, University of Edinburgh (27/10)
- 2015 Faculty seminar "Rosetting – why and how?", University of Maryland, Baltimore, MA, USA (23/04)
- 2015 Symposium "Malaria in Pregnancy", Johns Hopkins Malaria Research Institute, Baltimore, MA, USA (24/04)
- 2015 Keynote speaker, 13th Malaria Meeting of the German Society of Tropical Medicine (DTG), the Paul-Ehrlich-Society for Chemotherapy (PEG) and the German Society for Parasitology (DGP), Bernhard-Nocht-Institut für Tropenmedizin, Hamburg, Germany (13-14/11)
- 2015 Khartoum University
- 2014 Faculty seminar "Identifying important targets of protective immunity to *Plasmodium falciparum* malaria by integrating laboratory and field research", University of Health and Allied Sciences, Ho, Ghana (09/07)
- 2013 Faculty seminar, Institute of Immunology and Infection Research, University of Edinburgh (05/03)
- 2013 EVI Symposium "The challenge of developing a pregnancy-associated malaria vaccine", 6th MIM Pan-African Malaria Conference, Durban, South Africa
- 2013 Symposium "Malarial immunity in pregnancy and impact of malaria control measures", ASTMH 62nd Annual Meeting, Washington DC, USA (16/11)
- 2012 "Protective immunity to malaria, and how the *Plasmodium falciparum* parasites try to evade it". Swedish Malaria Network Conference, 25/05/2012)
- 2012 First Burnet Institute Director's Seminar of the Year. Burnet Institute, Melbourne, Australia
- 2011 Conference Annuelle du DIM Mallnf, Institut Pasteur, Paris, France.
- 2010 The naturally acquired human antibody response to *Plasmodium falciparum* variant surface antigens". Keystone Symposium – Malaria: new approaches to understanding host-parasite interactions, Copper Mountain, CO, USA (11-16/04/2010)
- 2010 ICOPA XII, Melbourne, Australia (15-20/08)
- 2010 Keynote speaker, "Naturally acquired PfEMP1-specific IgG responses and immunological protection from malaria", 1st Nordic Malaria Conference, Lund, Sweden (01-03/09/2010)
- 2010 NIH, Bethesda, USA (12/10)
- 2010 Minisymposium on laboratory medicine: Malaria, University of Lund, Sweden (16/11)
- 2010 KEMRI Kilifi Scientific Retreat, Kenya (6-9/12)
- 2009 7. Malariatreffen, Hamburg, Germany (04/12)
- 2008 "Functional characterization of human monoclonal antibodies specific for PfEMP1 involved in the pathogenesis of pregnancy-associated malaria". 4th International Malaria Research Conference, Baltimore, MA, USA (17-18/03/2008)
- 2006 6th Congress of the Federation of African Immunological Societies, Dakar, Senegal
- 2006 ICOPA IX, Glasgow, UK
- 2005 "Evidence-based progress towards syndrome-specific vaccines against *Plasmodium falciparum* malaria", seminar, London School of Hygiene and Tropical Medicine, London, UK
- 2005 15th ECCMID, Copenhagen, Denmark
- 2005 Medicine and Health in the Tropics, Marseille, France
- 2005 21st Meeting of the Brazilian Society for Protozoology, Caxambu, Brazil
- 2005 Keynote speaker, "Immunology and pathogenesis: naturally acquired protective immunity to *Plasmodium falciparum* malaria", 4th MIM Pan-African Malaria Conference, Yaounde, Cameroon (13-18/11/2005)
- 2004 Clinical Cytometry Society Annual Meeting, Long Beach, CA, USA, 17-19/10/2004

- 2004 Egyptian Society for Immunology Annual Meeting, Ismailia, Egypt, 24-26/11/2004
- 2003 "Pregnancy-associated malaria - new understanding of an old mystery" seminar, Bernhard Nocht Institut für Tropenmedizin, Hamburg, Germany
- 2003 "Vaccines against pregnancy-associated malaria" seminar, Karolinska Institute, Stockholm
- 2003 5th Congress of the Federation of African Immunological Societies, Victoria Falls, Zimbabwe
- 2002 6th Elsinore Meeting on Induction and Maintenance of the Immune Response to Infection, Elsinore, Denmark
- 2002 "Pregnancy-associated malaria" seminar, Kenya Medical Research Institute, Kilifi, Kenya
- 2001 Metchnikoff seminar: "The immune response in pregnancy-associated malaria - studies of women in endemic areas", University of Edinburgh
- 2001 "Pregnancy-associated malaria" seminar, Karolinska Institute, Stockholm
- 2001 11th Malaria Meeting of the British Society for Parasitology, Leeds, England, UK
- 2000 "Immunology of *Plasmodium falciparum* malaria" seminar, Karolinska Hospital, Stockholm
- 2000 4th Congress of the Federation of African Immunological Societies, Yaounde, Cameroon
- 1999 UK NEQUAS for Leukocyte Immunophenotyping Participants Meeting, Sheffield, England, UK
- 1999 "Clinical malaria and chemotherapy – parasitology, immunology, and pharmacodynamics" conference, Karolinska Institute, Stockholm
- 1998 38th Annual Congress of the Federations of South African Societies of Pathology (FSASP), Pretoria, South Africa
- 1998 2nd European Congress on Tropical Medicine, Liverpool, England, UK

Field research

Only active field research. Travel for meetings, supervision etc. is not included.

- Ghana: 06/91, 10/91, 11/92, 09/93, 10/93, 11/94, 07-08/95, 03/96, 07-08/96, 01/97, 03/97, 05/97, 07-08/97, 11/97, 02/98, 07-08/98, 12/98, 07/99, 07-08/00, 04/01, 08/01, 02/02, 08/02, 02/03, 08/03, 10/06, 07/14, 07/15, 07/16
- Kenya: 08/89, 09/02
- Sudan: 06/87, 11/87, 10/88, 02/89, 09/89, 10/90, 09/91, 01/93, 01/94, 06/94, 09/94, 01/95, 01/96
- Tanzania: 12/98-01/99, 04/99
- Zambia: 07/01

Peer reviewing:

See overview of scientific journal peer reviewing activities at <https://publons.com/author/717032/lars-hviid#profile>

Grant reviewing:

- Academy of Finland
- Commission of the European Communities
- Einstein Foundation, Berlin, Germany
- Medical Research Council, London, UK
- National Institutes of Health and Allergies, USA
- Research Council for Development Research (RUF), Copenhagen, Denmark
- Swedish Foundation for Strategic Research (Stiftelsen för Strategisk Forskning), Stockholm, Sweden
- Swedish International Development Agency (SIDA), Stockholm, Sweden
- Swedish Research Council (Vetenskapsrådet), Stockholm, Sweden
- Wellcome Trust, London, UK
- World Health Organization (WHO/TDR), Geneva, Switzerland

Membership of scientific societies:

- African Academy of Sciences (elected Fellow)
- American Association of Immunologists
- American Society for Microbiology
- American Society for Tropical Medicine and Hygiene (elected Fellow)
- Danish Society for Immunology
- Danish Society for Parasitology
- Danish Society for Tropical Medicine and International Health
- Immunological Society of Ghana

Miscellaneous:

- 2023-2024 Member, Conference Scientific Committee, 8th MIM Pan African Malaria Conference, Kigali, Rwanda 21-27/04/2024.
- 2019- Editorial Board member, mSphere
- 2018-2022 Member, Conference Organizing Committee and Chair, Scientific Committee, XVth International Conference of Parasitology (ICOPA), Copenhagen, Denmark, 21-26/09/2022.

- 2018- Member, Expert Advisory Board, Malaria Research Capacity Development in West and Central Africa (MARCAD), <http://marcad-africa.org/>
- 2016-2018 Member, Conference Scientific Committee, 7th MIM Pan African Malaria Conference, Dakar, Senegal 15-20/04/2018.
- 2014-2016 Member, International Steering Committee, Conference on Molecular Approaches to Malaria (MAM), Lorne, Australia 21-25/02/2016.
- 2014-2015 Member, International Steering Committee, 11th BioMalPar Conference, Heidelberg, Germany 05/2015
- 2012-2013 Co-organiser (member of Scientific Organizing Committee) of Ninth Elsinore Meeting on Infection Immunity, Elsinore, Denmark 29-31/05/2013
- 2011-2014 Editorial Board member, PLoS One
- 2008-2009 Co-organiser (member of Scientific Organizing Committee) of Eighth Elsinore Meeting on Infection Immunity, Elsinore, Denmark 05-08/06/2009
- 2007-2009 Member and Chair, The Copenhagen Regional Committee on Biomedical Research Ethics
- 2007-2009 Member, The Danish National Committee on Biomedical Research Ethics. Chairman of the Sub-Committee on Research in Developing Countries.
- 2006-2017 Editorial Board member, PLoS Medicine
- 2005 Co-organiser (chair of Scientific Organizing Committee) of Fourth MIM Pan-African Malaria Conference, Yaounde, Cameroon
- 2003-2005 Member of Secretariat, Multilateral Initiative against Malaria, Stockholm, Sweden
- 2002-2009 Editorial Board member, Malaria Journal
- 2002 Co-organiser of the 5th Congress of the Federation of African Immunological Societies, Victoria Falls, Zimbabwe
- 2001- Editorial Board member, Infection and Immunity
- 2001- Advisory Editorial Board Member, Trends in Parasitology
- 2000 Co-organiser of the 4th Congress of the Federation of African Immunological Societies, Yaounde, Cameroon
- 1999-2006 Web-master, <http://www.faisoc.org>, official web site of the Federation of African Immunological Societies
- 1998-2002 Web-master, <http://www.amvtn.org>, official web site of the African Malaria Vaccine Testing Network
- 1998- Web-master, <http://www.cmp.dk>, official web site of Centre for Medical Parasitology
- 1995 Co-organiser of the 1st African Malaria Vaccine Testing Network meeting, Arusha, Tanzania, 20-24/02. Editor of the Conference proceedings
- 1994-2004 Member of the Danida-sponsored ENRECA Health Network
- 1992 Co-organiser of 2nd International Symposium on Adhesion and Cytokines in Malaria, Copenhagen, Denmark

Publications:

Citation metrics in Google Scholar (assessed 08 Jan 2024): Total citations recorded: 14,830. h-index: 66. See also: <http://scholar.google.dk/citations?user=F47sdScAAAAJ&hl=en>

Publications in peer-reviewed, international journals:

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- 218 Dalgaard N, Olsen RW, Adams Y, Mendez BL, Rudbæk J, Mousiliou A, Walker MR, Hviid L, Tahar R, Ndam NT, Barfod LK and Jensen AT. Submitted for publication
- 217 Damelang T, Kassa MW, Lopez E, Selva KJ, Davis SK, Aitken EH, Hasang W, Lufele E, Warta P, Esterbauer R, Amarasena T, Killian M, Jally S, Tavul L, Ome-Kaius M, Quintana MP, Hviid L, Wheatley AK, Wines BD, Hogarth PM, Unger HW, Kent SJ, Rogerson SJ and Chung A. Novel IgG3 allotype identified in women from malaria endemic regions that modulates Fc effector functions. Submitted for publication
- 216 Hviid L, Tuikue Ndam N and Rogerson SJ. Placental malaria and circumsporozoite protein-specific immunity. Submitted for publication
- 215 Lopez-Perez M, Seidu Z, Larsen MD, Nouta J, Wuhrer M, Vidarsson G, Ofori MF and Hviid L. Acquisition of Fc-afucosylation of PfEMP1-specific IgG is age-dependent and associated with clinical protection against malaria. Submitted for publication
- 214 Seidu Z, Ofori MF, Hviid L and Lopez-Perez M. Impact of sickle cell trait hemoglobin in *Plasmodium falciparum*-infected erythrocytes. Submitted for publication
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- 213 Lopez-Perez M, Viwami, F, Ampomah P, Sustic T, Larsen MD, Wuhrer M, Vidarsson G, Ofori MF, Tuikue Ndam N and Hviid L. Fc-afucosylation of VAR2CSA-specific IgG and clinical immunity to placental *Plasmodium falciparum* malaria. J Infect Dis (in press)
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- 212 Hviid L, Jensen AR and Deitsch KW. PfEMP1 and *var* genes – still of key importance in *Plasmodium falciparum* malaria pathogenesis and immunity. *Adv Parasitol* 125: 53-103, 2024
- 211 Londono-Renteria B, Seidu Z, Lamptey H, Ofori MF, Hviid L and Lopez-Perez M. *Anopheles* exposure in Ghanaian children with haemoglobin S and C. *Acta Trop* 249: 107043, 2024
- 210 Oleinikov AV, Seidu Z, Oleinikov IV, Tetteh M, Lamptey H, Ofori MF, Hviid L and Lopez-Perez M. Profiling the PfEMP1-specific IgG response among Ghanaian children with hemoglobin S and C. *J Infect Dis* 229: 203-213, 2024
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- 209 Anabire NG, Aculley B, Pobee A, Kyei-Baafour E, Awandare GA, Quintana MP, Hviid and Ofori MF. High burden of asymptomatic malaria and anemia in the face of high adherence to malaria control measures: a cross-sectional study among pregnant women across two seasons in a malaria-endemic setting in Ghana. *Infection* 51: 1717-1723, 2023
- 208 Anabire NG, Quintana MP, Ofori MF and Hviid L. The rapid and spontaneous post-partum clearance of *Plasmodium falciparum* is related to expulsion of the placenta. *J Infect Dis* 228: 196-201, 2023
- 207 Doritchamou JY, Renn JP, Hviid L and Duffy PE. Pearls: A conformational epitope in placental malaria vaccine antigen VAR2CSA: What does it teach us? *PLoS Pathog* 19: e1011370, 2023
- 206 Fasanya A, Mohammed N, Saleh BH, Tijani MK, Teleka A, Quintana MP, Hviid L and Persson KE. Anti-phosphatidylserine antibody levels are low in multigravid pregnant women in a malaria-endemic area in Nigeria, and do not correlate with anti-VAR2CSA antibodies. *Front Cell Infect Microbiol* 13: 1130186, 2023
- 205 Kyei-Baafour E, Kusi KA, Oppong M, Frempong AF, Acculey B, Effah SA, Theisen M, Kweku M, Hviid L, Adu A and Ofori MF. Serology reveals micro-differences in *Plasmodium falciparum* transmission in the Hohoe municipality of Ghana. *Front Parasitol* 2: 1081083, 2023
- 204 Lamptey H, Seidu Z, Lopez-Perez M, Kyei-Baafour E, Hviid L, Adjei GO and Ofori MF. Impact of haemoglobinopathies on asymptomatic *Plasmodium falciparum* infection and naturally acquired immunity among children in Northern Ghana. *Front Hematol* 2: 1150134, 2023
- 203 Segbefia C, Amponsah SK, Afrane AK, Nyarko MY, Brew Y, Salifu N, Ahorhorlu SY, Sulley AM, Hviid L, Ofori MF and Adjei GO. Clinical and laboratory characteristics of children with sickle cell disease on hydroxyurea treated with artemether-lumefantrine for acute uncomplicated malaria. *Front Med* 10: 1291330, 2023
- 202 Seidu Z, Lamptey H, Lopez-Perez M, Whittle NO, Oppong SK, Kyei-Baafour E, Adjorkor PA, Adjei GO, Hviid L and Ofori MF. *Plasmodium falciparum* infection and naturally acquired immunity to malaria antigens among Ghanaian children in Northern Ghana. *Parasite Epidemiol Control* 22: e00317, 2023
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- 201 Bandoh B, Kyei-Baafour E, Aculley B, van der Puije W, Tornyigah B, Akyea-Mensah K, Hviid L, Ngala RA, Frempong MT and Ofori MF. Influence of α_2 -macroglobulin, anti-parasite IgM and ABO blood group on rosetting in *Plasmodium falciparum* clinical isolates and their associations with disease severity in a Ghanaian population. *J Blood Med* 13: 151-164, 2022
- 200 Hoffmann-Veltung H, Anabire NG, Ofori MF, Jahnmatz P, Ahlborg N, Hviid L and Quintana MP. Allelic cross-reactivity of monoclonal IgG antibodies analyzed by a reverse multiplexed FluoroSpot assay. *eLife* 11: e79245, 2022
- 199 Hviid L and Lopez-Perez M. Analysis by flow cytometry of α_2 -macroglobulin- and non-immune IgM-binding to *Plasmodium falciparum*-infected erythrocytes. *Methods Mol Biol* 2470: 435-444, 2022
- 198 Hviid L, Lopez-Perez M, Larsen MD and Vidarsson G. No sweet deal: the antibody-mediated immune response to malaria. *Trends Parasitol* 38: 428-434, 2022
- 197 Kaagaard MD, Matos LO, Holm AE, Gomes LC, Wegener A, Lima KO, Vieira IV, de Souza RM, Marinho CR, Hviid L, Vestergaard LS, Dominguez H, Biering-Sørensen T, Silvestre OM and Brainin P. Frequency of electrocardiographic alterations and pericardial effusion in patients with uncomplicated malaria. *Am J Cardiol* 165: 116-123, 2022
- 196 Larsen MD, Baryarri-Olmos R, Garred P and Hviid L. Enzyme-linked immunosorbent assay for activation of classical complement pathway by *Plasmodium falciparum*-infected erythrocyte surface antigen-specific antibodies. *Methods Mol Biol* 2470: 673-678, 2022
- 195 Lopez-Perez M, Viwami F, Doritchamou J, Ndam NT and Hviid L. Natural acquired immunity to malaria antigens among pregnant women with hemoglobin C trait. *Am J Trop Med Hyg* 106, 853, 2022
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- 194 Raghavan SS, Dagil R, Lopez-Perez M, Conrad J, Bassi MR, Quintana MP, Choudhary S, Gustavsson T, Wang Y, Gordon P, Ofori MF, Christensen SB, Minja DT, Schmiegelow C, Nielsen MA, Barfod L, Hviid L, Salanti A, Lavstsen T and Wang K. Cryo-EM reveals the conformational epitope of human monoclonal antibody PAM1.4 broadly reacting with polymorphic malarial protein VAR2CSA. *PLoS Pathog* 18: e1010924, 2022
- 193 Suurbar J, Moussiliou A, Tahar R, Olsen RW, Adams Y, Dalgaard N, Baafour EK, Adukpo S, Hviid L, Kusi KA, Ofori MF, Ndam NT and Jensen AR. ICAM-1-binding *Plasmodium falciparum* erythrocyte membrane protein 1 elicit an opsonic-phagocytosis IgG response in Beninese children. *Sci Rep* 12: 12994, 2022
- 192 Wegener A, Holm AE, Gomes LC, Lima KO, Matos LO, Vieira IV, Kaagaard MD, de Souza RM, Hviid L, Guimaraes Lacerda MV, Vestergaard LS, Marinho CR, Platz E, Biering-Sørensen T, Silvestre OM and Brainin P. Prevalence and dynamic changes in lung ultrasound findings among adults with uncomplicated malaria and controls in the Amazon basin, Brazil. *Am J Trop Med Hyg* 106: 1637-1645, 2022
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- 191 Brainin P, Mohr GH, Modin D, Claggett B, Silvestre OM, Shah A, Jensen JU, Hviid L, Torp-Pedersen C, Køber L, Solomon S, Schou M, Gislason GH and Biering-Sørensen T. Heart failure associated with imported malaria: a nationwide Danish cohort study. *ESC Heart Fail* 8: 3521-3529, 2021
- 190 Kyei-Baafour E, Opong M, Kusi KA, Frempong AF, Aculley B, Arthur FK, Tiendrebeogo RW, Theisen M, Kweku M, Adu B, Hviid L and Ofori MF. Suitability of IgG responses to multiple *Plasmodium falciparum* antigens as markers of transmission intensity and pattern. *PLoS One* 16: e0249936, 2021
- 189 Larsen MD, Lopez-Perez M, Dickson EK, Ampomah P, Ndam NT, Nouta J, Koeleman C, Ederveen AH, Mordmüller B, Salanti A, Nielsen MA, Massaougbodji A, van der Schoot CE, Ofori MF, Wuhrer M, Hviid L* and Vidarsson G*. Afucosylated *Plasmodium falciparum*-specific IgG is induced by infection but not by subunit vaccination. *Nat Commun* 12: 5838, 2021 (*: shared senior authors)
- 188 Lopez-Perez M, Viwami F, Seidu Z, Doritchamou J, Ndam NT and Hviid L. PfEMP1-specific immunoglobulin G reactivity among Beninese pregnant women with sickle cell trait. *OFID* 8: ofab527, 2021
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- 187 Hviid L. Precipitated malaria: It never rains but it pours. *Trends Parasitol* 36: 721-723, 2020.
- 186 Jensen AT, Adams Y and Hviid L. Cerebral *Plasmodium falciparum* malaria: the role of PfEMP1 in its pathogenesis and immunity, and PfEMP1-based vaccines to prevent it. *Immunol Rev* 293: 230-252, 2020
- 185 Lopez-Perez M, van der Puije W, Castberg F, Ofori MF and Hviid L. Binding of human serum proteins to *P. falciparum*-infected erythrocytes and its association with malaria clinical presentation. *Malar J* 19, 362, 2020
- 184 Quintana MP, Anabire NG and Hviid L. Measuring naturally acquired phagocytosis-inducing antibodies to *Plasmodium falciparum* parasites by a flow cytometry-based assay. *J Vis Exp* 162: e61538, 2020
- 183 Quintana MP, Smith-Togobo C, Moormann A and Hviid L. Endemic Burkitt lymphoma - an aggressive childhood cancer linked to *Plasmodium falciparum* exposure, but not to exposure to other malaria parasites. *APMIS* 128: 129-135, 2020
- 182 van der Puije W, Wang C, Sudharson S, Hempel C, Olsen RW, Dalgaard N, Ofori MF, Hviid L, Kurtzhals JA and Staalsoe S. *In vitro* selection for adhesion of *Plasmodium falciparum*-infected erythrocytes to ABO antigens does not affect PfEMP1 and RIFIN expression. *Sci Rep* 10: 12871, 2020
- 181 Walker MR, Knudsen AS, Partey FD, Bassi MR, Frank AM, Castberg FC, Sarbah EW, Ofori MF, Hviid L and Barfod L. Acquisition and decay of IgM and IgG responses to merozoite antigens after *Plasmodium falciparum* malaria in Ghanaian children. *PLoS One* 15: e0243943, 2020
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- 180 Doritchamou J, Teo A, Morrison R, Arora G, Kwan J, Manzella-Lapeira J, Medina-Maldonado S, Langhorne J, Hviid L, Narum DL, Dicko A, Fried M and Duffy PE. Functional antibodies against placental malaria parasites are variant-dependent and differ by geographic region. *Infect Immun* 87: e00865, 2019
- 179 Hviid L. Looking for needles in the Plasmodial haystack (Commentary). *mSphere* 4: e00146-19, 2019

- 178 Hviid L, Smith-Tobogo C and Willcox BE. Human V δ 1⁺ T cells in the immune response to *Plasmodium falciparum* infection. *Front Immunol* 10: 259, 2019
- 177 Larsen MD, Quintana MD, Ditlev SB, Bayarri-Olmos R, Ofori MF, Hviid L* and Garred P*. Evasion of classical complement pathway activation on *Plasmodium falciparum*-infected erythrocytes opsonized by PfEMP1-specific IgG. *Front Immunol* 9: 3088, 2019 (*: shared senior authors)
- 176 Olsen RW, Ecklu-Mensah G, Bengtsson A, Ofori MF, Kusi A, Koram KA, Hviid L, Adams Y and Jensen AT. Acquisition of IgG to ICAM-1-binding DBL β domains in the *Plasmodium falciparum* erythrocyte membrane protein 1 antigen family varies between Group A, B, and C. *Infect Immun* 87: e00224-19, 2019
- 175 Quintana MP, Ecklu-Mensah G, Tcherniuk SO, Ditlev SB, Oleinikov AV, Hviid L and Lopez-Perez M. Comprehensive analysis of Fc-mediated IgM binding to the *Plasmodium falciparum* erythrocyte membrane protein 1 family in three parasite clones. *Sci Rep* 9: 6050, 2019
- 174 Smith-Togobo C, Pedersen MØ, Jensen SG, Duduyemi B, Gyasi RK, Ofori MF, Paintsil V, Renner L, Nørgaard P and Hviid L. Reliable cell and tissue morphology-based diagnosis of endemic Burkitt lymphoma in resource-constrained settings in Ghana. *BMC Cancer* 19: 1270, 2019
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- 173 Castberg FC, Maretty L, Staalsoe T, Hempel C, Clasen-Linde E, Hviid L and Kurtzhals JA. Increased *Plasmodium chabaudi* AS malaria mortality in mice with nutritional iron deficiency can be reduced by short-term adjunctive iron supplementation. *Malar J* 17: 34, 2018
- 172 Castberg FC, Sarbah EW, Koram KA, Opoku N, Ofori MF, Styrihave B, Hviid L and Kurtzhals JA. Malaria causes long-time effects on markers of iron status: a critical assessment of existing clinical and epidemiological tools. *Malar J* 17: 464, 2018
- 171 Ecklu-Mensah G, Olsen RW, Bengtsson A, Ofori M, Hviid L, Jensen AT and Adams Y. Blood outgrowth endothelial cells (BOECs) as a novel tool for studying adhesion of *Plasmodium falciparum*-infected erythrocytes. *PLoS One* 13: e0204177, 2018
- 170 Hviid L, Lavstsen T, and Jensen AT. A vaccine targeted specifically to prevent cerebral malaria – is there hope? *Exp Rev Vaccin* 17: 565-567, 2018
- 169 Lopez-Perez M, Larsen MD, Bayarri-Olmos R, Ampomah P, Stevenson L, Arévalo-Herrera M, Herrera S and Hviid L. IgG responses to the *Plasmodium falciparum* antigen VAR2CSA in Colombia are restricted to pregnancy and are not induced by exposure to *Plasmodium vivax*. *Infect Immun* 86: e00136-18, 2018
- 168 Ofori MF, Lamptey H, Dickson K, Baafour-Kyei E and Hviid L. Etiology of placental *Plasmodium falciparum* malaria in African women. *J Infect Dis* 218: 277-281, 2018
- 167 Olsen RW, Ecklu-Mensah G, Bengtsson A, Ofori MF, Lusingu JP, Castberg FC, Hviid L, Adams Y and Jensen AT. Natural and vaccine-induced acquisition of cross-reactive IgG-inhibiting ICAM-1-specific binding of a *Plasmodium falciparum* PfEMP1 subtype associated specifically with cerebral malaria. *Infect Immun* 86: e00622-17, 2018
- 166 Partey FD, Castberg FC, Sarbah EW, Silk SE, Awandare GA, Draper SJ, Opoku N, Kweku M, Ofori MF, Hviid L and Barfod L. Kinetics of antibody responses to PfRh5-complex antigens in Ghanaian children with *Plasmodium falciparum* malaria. *PLoS One* 13: e0198371, 2018
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- 165 Jepsen M, Jepsen S, Kurtzhals JA and Hviid L. "Dansk malariaforskning: fra spæd begyndelse til international styrkeposition" [Danish malaria research from the frail beginnings to internationally acknowledged research]. *Ugeskr Laeger* 179: 866-869, 2017
- 164 Lennartz F, Adams Y, Bengtsson A, Olsen RW, Turner L, Ndam NT, Ecklu-Mensah G, Moussiliou A, Ofori MF, Gamain B, Lusingu JP, Petersen JE, Wang CW, Nunes-Silva S, Jespersen JS, Lau CK, Theander TG, Lavstsen T, Hviid L, Higgins MK, and Jensen AT. Structure-guided identification of a family of dual receptor binding PfEMP1 that are associated with cerebral malaria. *Cell Host Microb* 21: 403-414, 2017
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- 163 Hviid L, Møller-Bisgaard S, and Kurtzhals J. "Orm i toilettet" [A worm in the toilet]. *Ugeskr laeger* 178: V67428, 2016
- 162 Pleass RJ, Moore SC, Stevenson L and Hviid L. Immunoglobulin M: restrainer of inflammation and mediator of immune evasion by *Plasmodium falciparum* malaria. *Trends Parasitol* 32: 108-119, 2016
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- 161 Hviid L, Barfod L, and Fowkes FJ. Trying to remember: immunological B cell memory to malaria. *Trends Parasitol* 31: 89-94, 2015
- 160 Hviid L and Jensen AT. PfEMP1 – a parasite protein family of key importance in *Plasmodium falciparum* malaria immunity and pathogenesis. *Adv Parasitol* 88: 51-84, 2015

- 159 Jeppesen A, Ditlev SB, Soroka V, Stevenson L, Turner L, Dzikowski R, Hviid L and Barfod L. Multiple *Plasmodium falciparum* erythrocyte membrane protein 1 variants per genome can bind IgM via its Fc fragment Fc μ . Infect Immun 83: 3972-81, 2015
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