

CURRICULUM VITAE

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Interest Summary and Key Achievements

I am basic science researcher with a strong interest in building capacity for science in Africa through human resource development, institutional strengthening, and enhancing partnerships. My key strengths are strategic leadership and a good understanding of key issues in wide spectrum of health research disciplines. While over the last 20 years I have maintained a focus on understanding immunity to malaria, I also strong interest in supporting individual researchers and institutions build their capacity through high quality training and resource mobilisation.

My key achievements include:

- Raising over £12 million as primary recipient and over £25 million as co-recipient for building research capacity in Kenya and the region.
- Developing and managing training pipelines that have supported the training of over 60 completed and 40 on going PhDs, over 100 Masters trainings and 188 graduate interns within KEMRI-WTRP, and similar numbers in the other networks am involved in.
- Leading the development of research and training partnerships involving CGMR-C and over 30 African and international universities and research centres.
- Acting as advisor for various research and capacity building agencies and networks including WHO-TDR and the African Union.
- Supporting over 30 upcoming Kenyan researchers win international research grants.

Education

Academic

1987: Starehe Boyø Centre - Kenya Certificate of Secondary Education

1988: Starehe Boyø Centre ó Kenya Advanced Certificate of Education

1994: Bachelor of Science (2nd Upper), Zoology major, University of Nairobi

2001: PhD ó Natural History of Immunity to Malaria, The Open University of the UK, & the Oxford University

Other Courses (non-certificate short courses)

2016: Media Communication Skill - Public Image International

2016: Teaching and Pedagogy - Oxford University Learning Center

2016: Financial Management for Principal investigators ó Mango Consultants

2014: Wellcome Trust – Deloitte Monitor Research Leadership

2014: National Institute of Health US ó Research Ethics Course

2010: Project Management: Kenya Institute of Management (Short course)

2006: Bioinformatics for Malaria Research: European Molecular Biology Laboratory

2004: Malaria Vaccinology: AMANET

2003: WHO Immunology and Vaccinology of Tropical Diseases

Career History

2008 – KEMRI-CGMRC / Wellcome Trust Research Programme (KWTRP)

Head of Training and Director of the Initiative to Develop African Research Leaders (IDeAL)

- Overall managerial, strategic and scientific responsibility for IDeAL, initiative aimed at generating African research leaders
- Developing policies for attachments, internships, Masters, PhD and postdoctoral training
- Managing students and postdoctoral research fellows affairs
- Developing career paths for both researchers and research support staff
- Mentoring upcoming scientists in developing grant applications
- Developing regional networks of research with universities and other regional centres
- Advocating for research capacity building among government and funders
- Raising fund for capacity building activities in the Programme

In charge Continuing Professional Development for over 800 staff

- Developing scheme of services and for both research and operations human resource at KWTRP
- Developing training policies and schemes for both research support and management human resource in relation to their career development plan

Member: Heads of Scientific Departments committee

- This committee consist of heads of scientific departments, Programme Director, and myself
- provides strategic direction on the research activities in the Programme.
- Develops and oversees implementation of research policies at CGMR-C/KWTRP

Centre Representative: KEMRI Intellectual Property and Technology Transfer committee

- Reviewing and revising KEMRI's IP & TT policy
- Developing plans for training staff on the policy and raising awareness on IP&TT matters

Member (2008-2013 chair): Consent and Communication Committee

The roles of this committee include:

- Highlighting ethical considerations for all proposed research projects
- Supporting investigators in develop better consent forms for all research going on in the Programme prior to submission to the national ERB
- Advising researchers on matters regarding consenting and regulatory requirements for different types of studies
- Develops policies and guidelines on issues such as compensating research participants

Member: Scientific Coordinating Committee

- Reviewing proposal for all research to be carried out within the Programme for scientific validity, feasibility, public health relevance and ethics issues.

Member: 2010-2015 strategic plan writing group

- Development of the 2010-2015 strategic plans for the Programme
- Supporting and monitoring the implementation of the strategic plans

Member: Salary Review Committee

- Developing and supervising the salary review strategy and process
- Developing a communication package to manage staff expectations of the review
- Reviewing grading appeals.
- In particular, advising the HR department on salary structures for PhD students, clinical and postdoctoral researchers.

Member: Communication strategy development committee (chair till 2015)

- Developing a strategy for effective communication with Programme staff, our research community, collaborators, other health stakeholders, media and the public.

Postdoctoral Research fellow (2007 – 2008)

- Studying immune responses that interfere with invasion of malaria parasite into red cells.
- Helping in the training of other junior researchers
- Supporting the Head of training in developing capacity building schemes

2006 July-Nov: The Africa Union, Department of Social Affairs, health Division, Addis Ababa, Ethiopia

Health Research Consultant

- Developing a framework for the involvement of the AU in health research.
- Developing a database of health research institutions in Africa
- Technical input into health issues including planning and hosting of health related conferences

2004 -2006: The National Institute of Medical Research, London, UK

Postdoctoral researcher

- Characterising the malaria parasite proteins involved in invasion of red cells
- Supporting Masters and PhD students in the research work

1995 -2004: Wellcome Trust/ KEMRI, laboratories, Kilifi, Kenya

Research assistant /PhD student

- Studying the various aspect of immunity to malaria
- Seminar and Journal Clubs organiser

1994-1995: Wellcome Trust Laboratories, Nairobi

Research assistant

- Exploring the mode of action of antifolate drugs against malaria parasites

Research Interests

Current Research

- a) Co-investigator - Controlled Human Malaria Infections óinvolved in setting up the first CHMI studies in Kilifi. We are using this a platform for new approaches to understanding immunity to malaria that would not be possible using natural infected participants.
- b) Postdoc supervisor ó *P.falciparum* PHIST proteins as potential targets for malaria immunityö - Dr. Martin Rono
- c) Postdoc supervisor ó öIdentifying the targets of functional antibodies against Plasmodium falciparum malaria through isolation of human monoclonal antibodies from memory B cells and plasma cellsö - Dr. Linda Murungi
- d) Co-investigator ó öCultural variation in the acceptance of educational technologyö This study aims to inform the rolling out of -E learning

- e) Co-investigator - "Schools engagement Programme". This research aims to develop ways of enhancing engagement of research institution in the promotion of science in secondary schools.

Previous Research

- a) Principal Investigator - Natural history of immunity to malaria
- b) Principal Investigator "Antigens involved in malaria parasite reds cell invasion as targets for immunity to malaria"
- c) Mode of action of antimalarial antifolate drugs

Grants and fellowships

Submitted

2016: Co-Principal applicant: *Developing Pwani University Biosciences Research Centre (National Research Fund, 100 million Kenya shillings)*

2016: Co-Applicants: *East African Bioinformatics Network (NIH, 1.0 Million USD)*

2016: Co-Applicant: *Transforming Higher Education Pedagogy in East Africa "THEPEA (DFID, 5 million GBP)*

Current Grants

2015-2020: Principal recipient: *Initiative to Develop Research Leadership in Africa (Wellcome Trust, DFID; 8.05 million GBP)*

2009-2020: Co-recipient: *Consortium for Advanced Research Training in Africa - CARTA ; consisting of over 16 universities and research centres in Africa (Wellcome Trust, Carnegie, Rockefeller, Ford, SIDA, DFID; 25.5 million USD)*

2015-2020: Co-recipient: *Sub-Saharan Advanced Training Programme for Leadership and Excellence in Biostatistics -SSACABT, (Wellcome Trust; 3.4 Million GBP)*

2016: Co-recipient: *Building an Oxford Africa Platform for Collaborative Research in Health and Biomedical Sciences: (Oxford University; 200,000 GBP)*

2013-2016: Principal recipient: *A Strategic Award to Build Local Research Leadership in East Africa Through Collaboration With Local Universities " (Wellcome Trust; 2.8 million GBP)*

2008-2016: Matching salary funding from collaborators to support joint postdoctoral positions for African PhD graduates training at KWTRP (**various partners; 800,000 GBP**)

2012-2015: Co-recipient: *Engaging Kenyan Schools in Research: Novel approaches using new technologies" (Wellcome Trust; 150,000 GBP)*

2011-2012: Co-recipient: *Schools Engagement Project - both aimed at promoting science in Kenyan School (Wellcome Trust; 20,000 GBP)*

- 2011-2012:** Co-recipient: *Communication for Health Workers Training (Wellcome Trust; 30,000 GBP)*
- 2011-2014:** Co-recipient: *A Programme To Build Capacity In Global Health Research Ethics And Community Engagement Across The Wellcome Trust Major Overseas Programmes (Wellcome Trust; 1.5 million GBP)*
- 2010-2013:** Co-recipient: *Health Services and Implementation Research and Clinical Excellence (SIRCLE) Collaboration – aimed at enhance research capacity among Kenyan Ministry of Health staff (CNHR; 500,000 USD)*
- 2010-2011:** Co-principal recipient: *Initiative to Strengthen Health Research in Africa - ISHReCA - provided a forum for African researchers to advocate for capacity building (Wellcome Trust; 100,000 GBP)*
- 2009-2011:** Co-principal recipient: *ISHReCA secretariat hosting, (WHO-TDR; 200,000 USD)*
- 2008:** Principal recipient: *ISHRECA Conference hosting grant, (SIDA-SAREC; 40,000 USD)*
- 2004-2008:** Principal recipient: *Training Fellowship for Scientists from Developing Countries (Wellcome Trust; 196,000)*

Scientific Leadership

- 2016 -2020:** Member - *Board of Management, Sub-Saharan African Consortium for Advanced Biostatistics Training (SSACABT)*
- 2016 -2020:** Member - *Board of Management, Sub-Saharan African Network for TB/HIV research Excellence (SANTHE)*
- 2009 - 2018:** External Advisor -*Board of Management, Uganda Virus Research Centre- Makerere University capacity building initiative (MUIIplus)*
- 2013 - 2017:** Member - *Board of Management, Consortium for Advance Research Training in Africa (CARTA) – aimed at strengthen research in local universities through PhD training*
- 2012 - 2017:** Member ó *KEMRI Intellectual Property and Technology Transfer Management committee*
- 2016:** Member - *Ministry of Health Nominal group for defining Kenya's priority for Research for Health 2016-2020.*
- 2016:** Advisor ó *Nairobi University College of Health Sciences committee on development of a Physician Scientists training Programme*
- 2016 – 2017:** Member ó *WHO-TDR Ad hoc Committee on TDR Global Community –aimed at harnessing the pooled human resource from TDR current and past fellows*
- 2016:** Member - *Consultative group on Enhancing Oxford University – African Collaboration have led to the issuing of a new travel grant call (AfOx) - <http://www.tropicalmedicine.ox.ac.uk/afox-travel-grant>*
- 2016 -2017:** Member – *Steering committee on initiative to enhance research collaboration between Anglophone, Francophone, and Lusophone Africa*

- 2015-2017** : Member - Review Committee; EDCTP/ TDR Clinical Research and Development Fellowships
- 2014** - : Chair - Pwani University Bioscience Research Centre (PUBReC) committee óI have been leading the development of a joint KWTRP-Pwani University health research institute including raising funding to develop of physical infrastructure for the institute.
- 2009** - : Member - African Population and Health Research Centre - African Doctoral Dissertations Fellowship review and awarding panel -
- 2012 - 2014**: External Advisor - Multidisciplinary Research committee; Malawi Health Research Capacity Strengthening Initiative
- 2009 - 2012**: Member - Board of Management; SIRCLE, a consortium between KWTRP, University of Nairobi medical school, and Kenya's Ministry of Health to train MOH staff on use of evidence to improve health service delivery.
- 2010 - 2014**: Secretary - Initiative to Strengthen Health Research in Africa (ISHReCA)
- 2010 - 2011**: Member - International Network for the Demographic Evaluation of Populations and their Health (INDEPTH), 2010-2015 Strategic Plans writing group
- 2009**: External Evaluator - SIDA /SAREC-sponsored review of the International Network for the Demographic Evaluation of Populations and their Health (INDEPTH)
- 2009 - 2010**: Honorary Member - Advisory Committee, - Networks Bussinesline World Health Organisation TDR
- 2009 - 2010**: Member - WHO AFRO technical tack force ó Implementing the Resolutions of the Bamako 2007 meeting on Capacity Building for Research in Africa
- 2006**: Expert Advisor to the founding committee of the Consortium for National Health Research (CNHR) - A Kenyan DFID, IDRC, and Wellcome Trust funded research-granting body
- 2014**:- Board member – KESHO; a charity providing a comprehensive education package including sponsorship for secondary and university tuition for over 200 disadvantaged children in Kilifi county

Research Capacity Building engagement

I have participate in many fora related to building research capacity in Africa as an invited speaker, panelist or participant:

- 2016**: Invited speaker & panelist - DAAD seminar on “Quality Doctoral Education – a Prerequisite for Strong Universities in Africa”
- 2015**: Invited participant - Consultative Meeting on Capacity Strengthening for Social Innovation, & TDR Global Community consultative meeting - University of Cape Town Business School and WHO TDR
- 2015**: Invited speaker and panelist ó Session on “Building the Next Generation of Researchers ; Eastern African Research and Innovations Management Association Conference (Kampala, Uganda)

- 2014:** Invited speaker ó *International Society of Neglected Tropical Diseases (London, UK) – “Building research capacity for clinical trials in Africa”*
- 2013:** Invited speaker ó *Drugs for Neglected Diseases Initiative (DNDi) 10th Anniversary Conference (Nairobi, Kenya)*
- 2013:** Invited speaker ó *Wellcome Trust African Institutions Initiative Director’s meeting (London, UK)*
- 2012:** Invited participant ó *Accordia Conference of Capacity building for Africa (Addis Abba, Ethiopia)*
- 2012:** Invited participant ó *German Ministry of Education and Research; Expert workshop on advancing Health Research Networks in Sub-Saharan Africa (Addis Ababa, Ethiopia)*
- 2012:** Invited speaker ó *Consortium for National Health Research –2nd conference on Defining Research Collaboration Between Kenyan Research Centres, Universities And Ministries (Nairobi, Kenya)*
- 2012:** Invited panelist - *Global Health Forum for Health research, sessions on Evaluating Capacity Building, Developing Human Resource for Health Research (Cape Town, South Africa)*
- 2012:** Invited participant - *meeting on Forgyat Foundation strategic plan for supporting capacity building (Cape Town, South Africa)*
- 2011:** Invited speaker - *American Society of Tropical Medicine and Hygiene annual conference, session on Experience of Building Capacity in Africa – (Philadelphia, USA)*
- 2011:** Invited panelist - *Royal college of Physicians (UK) meeting on North-South Partnerships, (London, UK)*
- 2010:** Organising committee - *ISHReCA biannual Forum. (Ouagadougou, Burkina Faso)*
- 2010:** Invited speaker - *Consortium of Universities for Global Health (Seattle, Washington)*
- 2010:** Invited speaker and session chair -*Medishare/CINECA Health Information Systems Development project final presentations. (Nairobi, Kenya)*
- 2010:** Panelist ó *The Grand Public Debate National Museum Nairobi – “Does Kenya Care for Science” . (Nairobi, Kenya)*
- 2009:** Invited speaker and session chair ó *Consortium for National Health Research Defining Research Collaboration Between Research Centres And Kenyan Universities. (Nairobi, Kenya)*
- 2008:** Invited speaker ó *Role of Civil Society in Health Research –Global Health Conference. (Bamako, Mali)*
- 2008:** African researchers representative ó *European Research Funders Harmonization meeting. This led to the formation of a consortium of funders called ESSENCE. (Stockholm, Sweden)*
- 2008:** Convenor and co-chair: Session on *Human Resource for Health Research: Global Health Workforce Alliance Conference. (Kampala, Uganda)*
- 2007:** Convenor - *African researchers / Funders meetings in Kilifi, Kenya and Cape Town – led to Wellcome Trust giving grants worth 30million Pounds for institutional capacity strengthening in Africa*

- 2006:** Rapporteur - *African Union Consultative meeting of the African Aids Vaccine Programme.*
(Addis Ababa, Ethiopia)
- 2006:** Rapporteur ó *African Union Interagency meeting on Tackling Malaria, TB and HIV.*
(Addis Ababa, Ethiopia)
- 2006:** Co- Organiser (African Union/Malaria Consortium) - *Malaria reporting training workshop for journalists.* (Addis Ababa, Ethiopia)
- 2006:** African Union and Kenya's Technical delegate - *3rd High Level Developing Countries Ministerial Meeting on Health Research for Disease Control and Development.* (Accra, Ghana)
- 2005:** Invited speaker, *4th Multilateral Initiative on Malaria (MIM) Conference– in a special symposium on Capacity Building for Science in Africa.* (Yaoundé, Cameroon)

Teaching, Supervision and Mentoring

- Since 2014 -:** **Course Director** - Postgraduate Diploma in Health Research Methods provided by jointly CMR-C/KWRTP and Pwani University, Kenya. Key roles include curriculum development, I organise the teaching faculty, teach on the course, set and mark exams, and manage the students' affairs (16-25 students annually).
- 2016 -2020** PhD supervisor ó *Understanding the theoretical frameworks for capacity building employed by research networks in Africa* - Nadia Tigoe
- 2017:** Postgraduate Diploma Student co-supervisor - *Exploring ethical issues for biobank in Developing country settings* ó starting Jan 2017
- 2010 -2016: PhD advisor** - Julie Jemutai; *Comparing Method of Measuring Hospital Efficiency*
- 2010-2015: PhD advisor** ó George Githinji; *Developing Algorithms for Identifying Minor Var Gene Variants*
- 2015 -:** **PhD external examiner** - Makerere University, College of Health Sciences
- 2015 -2016: Masters supervisor** - Dennis Odera, London School of Hygiene and Tropical Medicine
- Since 2014 -:** **Adjunct Senior lecturer** - Pwani University, Department of Chemistry and Biochemistry
- Since 2008: Grants application advisor** – I have a formal role of providing advise on both scientific and non-scientific aspects (e.g. budget) of grant applications to all junior researchers and early postdocs. I have one hour weekly session for this role. I have supported over 30 successful applications.

Training Courses Development

- 2016** – Chair – committee on the development of proposal for the NIH H3A *East and Southern Africa Enhanced Bioinformatics and Molecular Biology Masters Course*. This will involve 5 universities including Pwani, Makerere, Dar, Lubumbashi, UCT and research centres including KEMRI-CGMRC, ICIPE, UVRI and ILRI
- 2016:** Course Convenor and Curriculum developer ó KENBOP3 *Intensive Immunology and Infection Course* co-run by KWTRP, Pwani University and Glasgow University
- 2016:** Course Convenor and Administrator ó *Understanding Complex Health Systems - for Local Health Manager* co-run between the KWTRP, Pwani University and Centre for Health Policy (CHEP)
- 2016:** Member of Consultative Committee for the Development of *Sanger Centre Master's in Bioinformatics Fellowship for Students from Africa and South East Asia*
- 2014:** Member of Consultative Committee for the development of the *Oxford University International Health Masters course*
- 2014:** Initiator and course developer *KWTRP-Pwani University, Joint Postgraduate Diploma in Health Research Methods*. -
- 2009 – 2014:** Course Developer and Manager - *KWTRP Introduction To Research Course* aimed at introducing interns, research assistants and new PhD students to principles of research, basic statistics, clinical trials, qualitative and quantitative methods
- 2014-2016:** Convenor and Member of curriculum development team - *Comprehensive Training Package for Health Research Fieldworkers*. The package provides a progressive training for fieldworkers from basic introduction to research and ethics to management training. This course is in the process of being adopted for use by over 15 leading health research centre all over Africa
- 2013-:** Curriculum development and teaching ó *Joint Advanced Studies series for CARTA - Sponsored PhD students*. These are four one-month long sessions (for each cohort) aimed at providing generic skills the students (each cohort is 25 international students)
- 2006:** Chapter contributor - *Malaria Immunity and Parasite Biology Modules - Wellcome Trust Topics in International Health CD*.
- 2003:** Module contributor - *Malaria Parasite Biology Module - E-learning Certification Programme in Global Health, Nuffield Department of Clinical Medicine and Technology-Assisted Lifelong Learning, University of Oxford*.

Publications

1. Conveners of òInternational Workshop on Role of Frontline Staff in Biomedical Researcherö - Enhancing quality and integrity in biomedical research in Africa: an international call for greater focus, investment and standardisation in capacity strengthening for frontline staff. **BMC Med Ethics. 2015 Nov 13;16(1):77.**
2. Kiamba E, Abdi A, Tuju, J, Kinyanjui SM, Rono M, Functional analysis of Plasmodium PHIST proteins as potential target antimalarial vaccine. **Submitted to PLOSone**

3. Linda M. Murungi, Gathoni Kamuyu, Brett Lowe, Philip Bejon, Michael Theisen, **Samson M. Kinyanjui**, Kevin Marsh and Faith H. A. Osier. A threshold concentration of anti-merozoite antibodies is required for protection against malaria. *Vaccine* **2013 Aug 20**;31 3936-42
4. Davies, A., Mbete, B., Fegan, G., Molyneux, S. & **Kinyanjui, S.** Seeing 'With my Own Eyes': Strengthening Interactions between Researchers and Schools. *IDS Bulletin* **43**, 61–67 (2012).
5. Boga M, Davies A, Kamuya D, **Kinyanjui SM**, Kivaya E, et al. Strengthening the Informed Consent Process in International Health Research through Community Engagement: The KEMRI-Wellcome Trust Research Programme Experience. *PLoS Med* **2011** 8(9)
6. Muema DK, Ndungu FM, **Kinyanjui SM**, Berkley JA. Effect of HIV infection on the acute antibody response to malaria antigens in children: an observational study. *Malar J.* **2011 Mar 5**;10:55.
7. Davis A, Mbete B, Ole Keseis D, **Kinyanjui S.** Promoting science in schools: research institutes play their part. *Health Exchange News*; June 2010, <http://healthexchangenews.com/>
8. **Kinyanjui SM**, Bejon P, Osier FH, Bull PC, Marsh K. What you see is not what you get: implications of the brevity of antibody responses to malaria antigens and transmission heterogeneity in longitudinal studies of malaria immunity. *Malar J.* **2009 Oct 28**;8:242.
9. Berkley JA, Bejon P, Mwangi T, Gwer S, Maitland K, Williams TN, Mohammed S, Osier F, **Kinyanjui S**, Fegan G, Lowe BS, English M, Peshu N, Marsh K, Newton CR. HIV infection, malnutrition, and invasive bacterial infection among children with severe malaria. *Clin Infect Dis.* **2009 Aug 1**;49(3):336-43.
10. Whitworth JA, Kokwaro G, **Kinyanjui S**, Snewin VA, Tanner M, Walport M, Sewankambo N. Strengthening capacity for health research in Africa. *Lancet.* **2008 Nov 1**;372(9649):1590-3.
11. Berkley JA, Bejon P, Mwangi T, Gwer S, Maitland K, Williams TN, Mohammed S, Osier F, **Kinyanjui S**, Fegan G, Lowe BS, English M, Peshu N, Marsh K, Newton CR. HIV infection, malnutrition, and invasive bacterial infection among children with severe malaria. *Clin Infect Dis.* **2009 Aug 1**;49(3):336-43.
12. Bejon P, Warimwe G, Mackintosh CL, Mackinnon MJ, **Kinyanjui SM**, Musyoki JN, Bull PC, Marsh K. Analysis of immunity to febrile malaria in children that distinguishes immunity from lack of exposure. *Infect Immun.* **2009 May**;77(5):1917-23. *Epub* 2009 Feb 17.
13. Mackintosh CL, Mwangi T, **Kinyanjui SM**, Mosobo M, Pinches R, Williams TN, Newbold CI, Marsh K. Failure to respond to the surface of Plasmodium falciparum infected erythrocytes predicts susceptibility to clinical malaria amongst African children. *Int J Parasitol.* **2008 Oct**;38(12):1445-54. *Epub* 2008 Apr 29.
14. Mwangi TW, Fegan G, Williams TN, **Kinyanjui SM**, Snow RW, Marsh K. Evidence for over-dispersion in the distribution of clinical malaria episodes in children. *PLoS One.* **2008 May 21**;3(5):e2196
15. **Kinyanjui, S.**, J. Macbride, D. Cavanagh, E. Lanar, S. Dutta, D. Conway, and K. Marsh. "A detailed study of the kinetics of antibody responses to Plasmodium falciparum merozoite antigens [MIM-SK-10044]." In *ACTA TROPICA*, vol. 95, pp. S155-S156

16. **Kinyanjui SM**, Conway DJ, Lanar DE, Marsh K: IgG antibody responses to Plasmodium falciparum merozoite antigens in Kenyan children have a short half-life. **Malaria Journal** 2007, **6:82-86**
17. Marsh K, **Kinyanjui S**: Immune effector mechanisms in malaria. **Parasite Immunol** 2006, **28:51-60**.
18. Bull PC, Pain A, Ndungu FM, **Kinyanjui SM**, Roberts DJ, Newbold CI, Marsh K: Plasmodium falciparum antigenic variation: relationships between in vivo selection, acquired antibody response, and disease severity. **J Infect Dis** 2005, **192:1119-1126**.
19. **Kinyanjui SM**, Mwangi T, Bull PC, Newbold CI, Marsh K: Protection against clinical malaria by heterologous immunoglobulin G antibodies against malaria-infected erythrocyte variant surface antigens requires interaction with asymptomatic infections. **J Infect Dis** 2004, **190:1527-1533**.
20. **Kinyanjui SM**, Howard T, Williams TN, Bull PC, Newbold CI, Marsh K: The use of cryopreserved mature trophozoites in assessing antibody recognition of variant surface antigens of Plasmodium falciparum-infected erythrocytes. **J Immunol Methods** 2004, **288:9-18**.
21. Recker M, Nee S, Bull PC, **Kinyanjui S**, Marsh K, Newbold C, Gupta S: Transient cross-reactive immune responses can orchestrate antigenic variation in malaria. **Nature** 2004, **429:555-558**.
22. **Kinyanjui SM**, Bull P, Newbold CI, Marsh K: Kinetics of antibody responses to Plasmodium falciparum-infected erythrocyte variant surface antigens. **J Infect Dis** 2003, **187:667-674**.
23. Urban BC, Mwangi T, Ross A, **Kinyanjui S**, Mosobo M, Kai O, Lowe B, Marsh K, Roberts DJ: Peripheral blood dendritic cells in children with acute Plasmodium falciparum malaria. **Blood** 2001, **98:2859-2861**.
24. **Kinyanjui SM**, Mberu EK, Winstanley PA, Jacobus DP, Watkins WM: The antimalarial triazine WR99210 and the prodrug PS-15: folate reversal of in vitro activity against Plasmodium falciparum and a non-antifolate mode of action of the prodrug. **Am J Trop Med Hyg** 1999, **60:943-947**.
25. Connelly MP, Fabiano E, Patel IH, **Kinyanjui SM**, Mberu EK, Watkins WM: Antimalarial activity in crude extracts of Malawian medicinal plants. **Ann Trop Med Parasitol**. 1996 Dec; **90(6):597-602**.

Book Chapters and Essays and Videocasts

1. **Sam Kinyanjui**: Malaria Immunity to Malaria Parasites, 2012, INTECH publishers, ISB979-953-307-072-7
2. **Sam Kinyanjui** and Francis Ndungu, Health Research in Africa. Mill Hill Essays 2005, National Institute of Medical Research, London (UK)
3. CoHRED - Building Research capacity in Africa - youtube [Video](http://www.youtube.com/watch?v=BEMUyc8wqc8)
<http://www.youtube.com/watch?v=BEMUyc8wqc8>

4. SciDevNet - Creating a New Generation of African Research Leaders - Video - https://www.youtube.com/watch?feature=player_embedded&v=FTBX3DGT4kA

Scientific Presentations and Conferences

- 2004-2014:** 2nd, 3rd, 4th, 5th Multilateral Initiative on Malaria conferences in Durban, Arusha, Yaounde and Nairobi respectively in each a talk was given on various aspects of the kinetics of humoral immune responses to malaria.
- 2012:** Kenyan Science Journalists Training ó Talk on Malaria Drug Resistance and Vaccine Development (Mombasa)
- 2006:** Ethiopian Science Journalists Training - Talk on Malaria drug resistance and Vaccine Development (Addis Ababa)
- 2005:** BioMalPar meeting, Hiedelburg, Germany,
- 2005:** Gordon conference, Oxford, UK, - Poster on Molecular Immunology to Malaria
- 2004:** Planning workshop on research ethics for human genetic research on malaria organized by Professor. Dominic Kwiatkowski, Legon, Ghana
- 2002-2009:** Oxford University Annual Tropical Network Meetings: Presented talks on antibody responses to malaria parasites
- 1998-2010:** All African Health Science Congresses ó Talks on various aspects of natural history of immunity to malaria
- 1996:** All African Health science congress ó Poster on antifolate activity of novel molecule PS-15

Journal Reviewer

1. BMJ Global Health
2. Transactions of the Royal Society
3. Health Research Policy and Systems
4. Health Policy and Planning
5. Malaria Journal

Referees

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