

## PROF ANNA ROCA – CURRICULUM VITAE

[Anna.Roca@lshtm.ac.uk](mailto:Anna.Roca@lshtm.ac.uk); [a-roca@mrc.gm](mailto:a-roca@mrc.gm) | +34 674986213 | London, UK - Fajara, The Gambia

### PROFESSIONAL SUMMARY

Anna Roca is a distinguished global health epidemiologist and Professor of Epidemiology at the London School of Hygiene and Tropical Medicine (LSHTM). She also holds a leadership position as Theme Leader at the MRC Unit The Gambia (MRCG) at LSHTM where she is actively involved in shaping major strategic decisions. Prof Roca heads multi-disciplinary research groups across Europe and Africa and serves on several international experts' panels. Her research focusses on understanding the transmission dynamics of bacterial and viral infections and the design of novel strategies to control disease. Her research has frequently impacted on policy—e.g. the introduction of Hib- and PCV-vaccines in Mozambique, the introduction of the multi-dose-vial for PCV13 in several countries in Africa and the adjustment of local policies to increase timely neonatal vaccination in The Gambia. Prof Roca has extensive experience in conducting large-scale and innovative clinical trials, notably pioneering the use of intra-partum azithromycin to improve maternal and neonatal health outcomes – a trial model now replicated by several institutions working across low- and middle-income countries. In recent years, her portfolio has broadened to evaluate the impact of the COVID-19 pandemic in West Africa and prepare the region for new pandemics. Prof. Roca is a dedicated mentor, nurturing the next generation of global health leaders. She is also a recognized advocate for gender equality with a track record of promoting inclusivity and diversity within the scientific community.

### SKILLS

- Epidemiological design
- Clinical trials
- Quantitative analysis
- Scientific writing
- Mentorship & capacity building
- Gender equality
- Strategic vision
- Leadership
- International networking
- Research governance
- Community engagement

### WORK HISTORY

May 2020 - Current

#### **Professor of Epidemiology**

LSHTM - UK, The Gambia

- Established Epidemiological Research portfolio on bacterial transmission and interventions to reducing mortality
- Established SARS-CoV-2 research portfolio
- Supervising, mentoring, teaching and participating at LSHTM vision and strategy

Nov 2017 - Current

#### **Theme Leader Disease Control & Elimination**

MRCG@LSHTM - The Gambia

- Leading a Theme with 450 employees (one of the three research Themes at the Unit)
- Leadership and scientific strategy at MRCG
- Research on Control & Elimination of bacterial and viral infections
- Training, mentoring and supervising

Nov 2017 - Current

#### **Programme Leader**

UK-RI - UK

- Participating in the UK Research Strategy

May 2014 - Oct 2017

#### **Theme Coordinator Disease Control & Elimination**

- Coordinating Theme with 450 employees, from lab and field staff, to PhD students, post-docs and senior scientists

## MRCG - The Gambia

Jul 2011 - Apr 2014

### **Unit Epidemiologist**

MRCG - The Gambia

- Epidemiological support to Unit scientist
- Epidemiological research on vaccines and bacterial pathogens

Oct 2009 - Jun 2011

### **Principal Investigator (PI) - Sibanon**

#### **Vaccine Trial**

MRCG - The Gambia

- PI of a large cluster-randomized trial.
- Seconded from CRESIB (Centre de Recerca en Salut Internacional de Barcelona)

Sep 2007 - Sep 2010

### **Ramon y Cajal Fellowship; Assistant Research Professor**

CRESIB/IDIBAPS, Universitat De  
Barcelona, Spain - Barcelona, Spain

- Tenure Track
- Research on viral and bacterial pneumonia

Sep 2004 - Sep 2007

### **Coordinator of Acute Respiratory Infections Research**

Centro De Investigação Em Saúde Da  
Manhiça (CISM) - Mozambique

- Promoting and leading epidemiological research on respiratory infections

Apr 1999 - Apr 2002

### **PhD Student**

IDIBAPS/Hospital Clinic, Barcelona -  
Barcelona

- PhD student with a personal fellowship from the *Fondo de Investigaciones Sanitarias*.

## EDUCATION

### **1988-1994**

**BSc:** Chemistry and Biochemistry. Faculty of Chemistry, University of Barcelona, Barcelona.

### **1999-2002**

**PhD:** Molecular Epidemiology of the Respiratory Syncytial Virus in Mozambique.  
University of Barcelona, Barcelona.

### **2002-2003**

**MSc:** Epidemiology.

London School of Hygiene and Tropical Medicine, London, UK.

## OTHER TRAINING

- Leadership Skills. Advanced leadership training for scientists with managerial roles. Two-weeks training course. Held in The Gambia, Nov 2016.
- Whole Genome Sequencing. Workshop 2019.
- Mentorship. One-week training courses held in The Gambia. 2015 and 2020.
- PhD supervision. One-week training course organized by Open University (UK). 2018.
- Unconscious Bias. One-week training organized by LSHTM. On-line. July 2021.
- Ethics committees. One-week training conducted in The Gambia. 2018.
- CGP (Good Clinical Practices) training. One week training conducted in The Gambia. 2015, 2018, 2021, 2023.

- GCLP (Good Clinical and Laboratory Practices) training. One week training conducted in The Gambia. 2015 and 2020.
- Managing Mental Health in the workplace – One week training. MindCPSL, 2017

## LANGUAGES

### English



### Catalan



### Spanish



### Portuguese



## LEADERSHIP ROLES

### MAIN COMMITTEES

#### 1) MRCG

- Leadership Board. Since May 2014. This involves responsibility for the Unit's strategy, operational budget oversight (£29 Million annual budget), and coordination as the executive body under the Unit Director.
- Scientific Coordinating Committee (SCC). Member since 2011 & Co-Chair since 2017. All MRCG research projects need to be approved by the SCC before being forwarded to the Gambian Ethical Review Board. The SCC meets monthly, is chaired by the Unit Director and has two co-Chairs.
- 75th anniversary Scientific Organizing Committee. 2023. Scientific Leader of the organization committee.
- EDI (Equity, Diversity and Inclusion) committee at the LSHTM (Chair), 2019.
- Women in Science Committee at the MRCG at the LSHTM (Chair), since 2017. Main activities include awareness sessions, round tables and debates. From there, some mentoring activities with young ladies have naturally emerged.
- Higher Degrees Committee, member since 2015. Committee responsible for the selection of PhD candidates, probatory assessment, monitoring and examinations. Occasionally I have acted as the Chair of the committee.
- Training Committee, member since 2015. Committee responsible for the evaluation of the quality of MSc and PhD students at the Unit.
- Quality Steering Group. Member. 2013 – 2014.
- Data Management Development Working Group (Chair). 2012.

#### 2) LSHTM

- Staff Review Committee. Member. Since 2022.
- Selection Panelist for LSHTM Internal Seed Funding for Assistant Research Professors. 2023, 2021, 2019.
- Selection Panelist for the LSHTM Gairdner Global Health (2012-15).
- Scientific Review Committee. Member and MRCG representative. Since 2021.
- Strategic Review of Demography. Member and MRCT representative. 2021.
- Strategic Leadership Network. Since 2020.

#### 3) External

- Organizing Committee ISPPD-13 (International Symposium of Pneumococci and Pneumococcal Disease 13<sup>th</sup> Edition), Cape Town, South Africa (March 2024)
- DSMB member ARMOUR – AZI for acute severe malnutrition in Burkina Faso. 2024 - ongoing.
- DSMB member IMPRESS in Malawi. 2023 - ongoing.
- Technical Advisory Group Member – SANTE Azithromycin Study in Mali. 2020 - ongoing.

- Maternal Azithromycin Research Consortium – Chair, Organizing committee. 2017 - ongoing.
- PRECISE Network Leadership Scientific Committee – 2018 – ongoing.
- ALERRT Steering committee work package epidemiology. 2018 – ongoing.
- Gambian Government committee meetings for vaccines, meningitis surveillance and other related infectious diseases. 2015 – 2019.
- Global Burden of Disease committee member as an African specialist for infectious diseases and child mortality between. 2015 - 2017.
- WHO technical working group for the Invasive Bacterial Vaccine Preventable Network (Geneva), 2014.
- Global Burden of Disease and Mortality working group. 2014 - 2015.
- WHO Expert panel member. Nasopharyngeal colonization working group (Geneva), 2012.
- BMGF Working Group of Global Burden of Pneumonia (Edinburg, Scotland). 2012.
- Decade of Vaccines Case studies: Respiratory Syncytial Virus Expert. 2011-2012.
- WHO-Pneumonia Research Priorities exercise. Geneve, 2009
- BMGF Working Group of the RSV Global Burden of Disease (Edinburg, Scotland), 2008.
- WHO Expert panel member. Invasive Pneumococcal Disease working group (Geneva), 2008.
- WHO Pneumonia Expert panel member. RTS,S malaria vaccine trial (Geneva), 2007.
- BMGF Pneumonia Expert Group. PERCH preparation (Seattle, US), 2007.

## RESEARCH GRANTS

### SECURED COMPETITIVE RESEARCH FUNDING

During the last 10 years I have secured > £14 Million in competitive funding as Principal Investigator and budget holder. Some examples follow:

- MYCO. Impact of intra-partum azithromycin on neonatal mycobiome – a pilot study. £50,000. Funded by MRC Impact Accelerator (2024-2025).
- SubGroup. Impact of intra-partum azithromycin on neonatal infection, sepsis and mortality; and maternal infections – Sub-group analysis of the PregnAnZI-2 trial. \$100,000. Funded by Bill & Melinda Gates Foundation (2023-2024).
- ExCOVID. Excess mortality during the COVID-19 pandemic in The Gambia: a denominator-based analysis within the HDSSs. £300,000. Funded by MRC-UK (2020-2024)
- PaTS. Prevention and Treatment for COVID19 associated severe pneumonia in The Gambia: A Single-blind Randomised Trial. £3 Million. Funded by MRC-UK (2020-2024)
- PRECISE-DYAD: linking maternal and infant health trajectories in sub-Saharan Africa. Site (The Gambia) PI. £2 Million for MRCG at LSHTM. Funded by MRC-UK (2020-2024)
- Ancillary studies to the PregnAnZI trials. \$1.4 Million. Funded by Bill & Melinda Gates Foundation (2018-2023).
- PregnAnZI-2. Pre-delivery administration of azithromycin to prevent neonatal sepsis and death: a phase III double-blind randomized clinical trial. Trial Director and PI. £ 2.5 Million (2017-2022). Funded by MRC/WellcomeTrust/DfID/EDCTP.
- PRECISE. PREgnancy Care Integrating Translational Science Everywhere (PRECISE). Site (The Gambia) co-PI. £ 1.5 Million for MRCG at LSHTM. Funded by WellcomeTrust.
- PregnAnZI-1. Prevention of bacterial infections in the newborn by pre-delivery administration of azithromycin: a placebo-controlled randomized trial. 671,000 £ (2012-2015). MRC (UK) funded project.
- MDV. A phase 3, randomized open-label trial to evaluate the safety, tolerability and immunogenicity of PCV-13 formulated in multi-dose vials given with routine pediatric vaccinations in healthy infants. 881,000 € (2013-2014). Pfizer funded project.
- NSE. Non-specific effect of live-vaccines on bacterial infections. 130,000 CHF (2012-2013). USB foundation.

- PCV7/13. The effect of replacing the PCV-7 with the PCV-13 Vaccine in the Expanded Program of Immunization in The Gambia. Co-PI. 220,000 € (2012-2013). Pfizer funded project. Investigator initiated proposal.
- SVT. Community-randomised controlled trial to assess impact of vaccination with a Pneumococcal Conjugate Vaccine on pneumococcal nasopharyngeal carriage in The Gambia. Role: co-Investigator. 2006-12. Co-PI. MRC UK funded project. £6 Million.

## OTHER RESEARCH PROJECTS

Participation as co-investigator and advisor in more than 15 International Research Projects during the last 10 years. Some examples:

- DIAMONDS. Personalized molecular testing for febrile illness. 28 institutions from 13 countries. Role: Site Co-Investigator from MRCG@LSHTM. Coordinating institution: Imperial College London and Newcastle. Funder EU commission under Horizon 2020. <https://www.diamonds2020.eu/>
- PERFORM. Febrile illness in high-risk children: a prospective international observational study. International consortium. Funder EU commission under Horizon 2020. Coordinating institution: Imperial College London. Role: Co-Investigator. £500,000 for The Gambia.
- ETVax. Oral Vaccine for Protection Against Diarrhoea Caused by ETEC. International consortium. EU funded project. Coordinators Scandinavian Biopharma Holding AB. Role: Site Co-Investigator.
- eKMC. Randomised controlled trial of early kangaroo mother care for unstable hospitalised neonates <2000g. PI Dr Helen Brotherton. Role co-Investigator and supervisor. Funder WellcomeTrust. £168,734
- Field studies of an oral whole cell ETEC vaccine candidate in African toddlers and children: Assess efficacy, and set parameters for pivotal Phase 3 trials —ETEC Vaccine Efficacy. Role: co-Investigator. 2019-22. \$3 Million.
- Pneumococcal carriage serotypes. Role: Supervisor and co-Investigator. Funder: MRC West African Fellowship. 2015-18. £300,000.

## International Meetings

Some examples over the last few years:

- Steering Committee for the Global Network for Women's and Children's Health Research. Washington DC, 2-22<sup>nd</sup> June 2024. Oral presentation.
- ISPPD13 – International Symposium of Pneumococci and Pneumococcal Disease, March 2013, Cape Town, South Africa. Organizing committee and Session Chair.
- Azithromycin Harmonization Meeting. Dec 2023. Washington DC, US. Oral presenter. Various members of my team gave oral presentations presenting results.
- Creating an enabling environment at the MRC Unit The Gambia. Women Leaders in Global Health, London, UK. Nov 2018
- ISSAD – International Symposium of *Streptococcus Agalactiae*, February 2018, Cape Town, South Africa. Oral presentation.
- Women Leaders in Global Health. London, UK. September 2018. Session Chair.
- MAR 2017 – Maternal Azithromycin Research. The Gambia 2017. Meeting Organizer and Chair.

Contribution to other meetings through oral presentations of my team members:

- Presenter: S. Darboe. AMR African alliance. 2023. Johannesburg, South Africa.
- Presenter: Dr Helen Brotherton. Clinical Paediatrics. 9-10 December 2022. Barcelona. Kangaroo mother care work.
- Presenter: Abdoulie Bojang. Short and long term impact of oral azithromycin given during labour on bacterial carriage and macrolide resistance among mothers and their babies in The Gambia. Open University, London, UK. May 2019.

- Presenter: Usman Nakakana. A new way of mapping malaria transmission intensity in Nigeria and beyond. ESPID 2019.
- Presenter: Abdoulie Bojang. Effects of replacing PVC7 with PCV13 on pneumococcal nasopharyngeal carriage in the Gambia 9th ISPPD Conference Hyderabad, India.
- Presenter: Dr Effua Usuf. Persistence of nasopharyngeal pneumococcal vaccine serotypes and increase of non-vaccine serotypes among vaccinated infants and their mothers five years after PCV13 introduction in The Gambia. WACP 2018
- Presenter: Dr Effua Usuf. Antibiotic prescription patterns for febrile children presenting to hospital in urban Gambia Oral Presentation, WACP 2018
- Presenter: Dr Effua Usuf. Pneumococcal carriage serotypes in a rural Gambian population with high vaccine pressure. Otago Global Health Annual Conference, Otago 2017.
- Presenter: Dr Idobukola Idoko. Immunogenicity and Safety of 13-valent Pneumococcal Conjugate Vaccine formulated in Multi-Dose Vials (MDV) given with routine vaccination in healthy infants. ESPID 2015

## PhD and MSc STUDENTS

### PhD students Ongoing:

- 5 ongoing PhD students based in The Gambia as Director of Studies (n=4) and in London, UK, as External Supervisor (n=1). Students are enrolled to do their PhD at the LSHTM (3) and the Open University in UK (2).

### PhD students Completed:

- 6 completed PhD students: 1 at the LSHTM, 2 at the Open University in UK and 3 at the University of Barcelona.

### MSc students:

- 4 completed students: 2017-18 at LSHTM (n=1), 2006-07 and 2008-09 at the University of Barcelona (n=2) and 2008-09 at the University of Brazil (n=1).

## PhD EXAMINATIONS

- Open University, UK (4 African students)
- London School of Hygiene and Tropical Medicine (2 British students)
- University of Witwatersrand, Johannesburg, South Africa (1 African student)
- University of Valencia (1 Spanish student)

## MENTORING ROLE

- Mentoring of two MRCG at LSHTM PhD students, two post-docs and one senior scientist at MRCG through an established program of mentorship as well as informal mentor.
- Mentor of African Women STEM (currently 2 women)

## REVIEWER

- **Reviewer of Scientific Journals**

Regular reviewer of JAMA, The Lancet, Lancet of Infectious Diseases, Lancet of Global Health, Clinical Infectious Diseases, Plos Medicine, Vaccine, Pediatric Infectious Diseases Journal, Tropical Medicine and International Health, Journal of Medical Virology and others.

I limit my time spent on peer review manuscripts to 1 per month.

- **Reviewer of Research Grants**

Reviewer of Research Grants for the main international funders such as BMGF, WellcomeTrust (including Senior Fellowships), MRC/UK-RI (including senior fellowships and African Leader Fellowships). I am a regular reviewer for Research Grants within the Spanish Minister of Health (FIS) and African Research Excellence Funds (AREF).

## COMMUNITY ENGAGEMENT

- Round table panelist – The scientific contribution of women in science. 9<sup>th</sup> Feb 2024. Faculty of Medicine, University of Barcelona.
- “Xerrades de dones científiques” at schools in Catalonia. February 2021, on-line due to the COVID-19 pandemic.
- Maternal and Neonatal Health information - Community Engagement small grant by UK-RI. Graphical abstract and regular talks. 2019.
- Women in Science - Youth engagement activities in 2017, 2018, 2019 during the women in science week.
- Community Open Days for trial implementation and display of results. Regular activities across the Gambia (from 2010).

## SCIENTIFIC PUBLICATIONS

148 peer reviewed publications (including commentaries on global health research) with a H-index of 49, including 21 publications as first author and 42 as last author and 31,827 citations (by March 1<sup>st</sup>, 2024).

See my profile in [www.researchgate.net/profile/Anna-Roca-4](http://www.researchgate.net/profile/Anna-Roca-4) and  
[www.scholar.google.co.uk/citations?hl=es&user=7bRjva4AAAAJ&view\\_op=list\\_works&sortby=pubdate](http://www.scholar.google.co.uk/citations?hl=es&user=7bRjva4AAAAJ&view_op=list_works&sortby=pubdate)

A list of publications follows (not complete list):

1. Getanda P, Jagne I, Bognini JD, Camara B, Sanyang B, Darboe S, Sambou E, Barry M, Kassibo K, Cham A, Mandy H, Singateh BKF, Ndure E, Rouamba T, Bojang A, Bottomley C, Howden BP, D'Alessandro U, Tinto H and **Roca A**. Impact of Intrapartum Azithromycin on the Carriage and Antibiotic Resistance of Escherichia coli and Klebsiella pneumoniae in Mothers and their Newborns: a sub-study of a Randomized Double-Blind Trial Conducted in The Gambia and Burkina Faso. *Clin Infect Diseases* **in press**.
2. **Group authorship.** The burden of bacterial antimicrobial resistance in the WHO African region in 2019: a cross-country systematic analysis. *Lancet GH* **2024**.
3. **Group authorship, ISARIC Investigators.** Implementation of Recommendations on the Use of Corticosteroids in Severe COVID-19. *JAMA Network Open*. **2024**.
4. **Roca A**, Camara B, Bognini JD, et al. and the PregnAnZI-2 Working Group. Effect of Intrapartum Azithromycin vs Placebo on Neonatal Sepsis and Death: A Randomized Clinical Trial. *JAMA* **2023**.
5. Janha RE, Bah A, Jah H, Touray F, Idris Y, Keita S, Gaye Y, Jallow S, Faye-Joof T, Njie B, Craik R, Mohammed NI, von Dadelszen P, D'Alessandro U and **Roca A**. SARS-CoV-2 seroprevalence in pregnant women during the first three COVID-19 waves in The Gambia. *Int J Infect Dis.* **2023**

6. **Roca A**, Camara B, Tinto H. Intrapartum Azithromycin vs Placebo for Neonatal Sepsis-Reply. *JAMA* 2023.
7. Kanteh A, Jallow HS, Manneh J, Sanyang B, Kujabi MA, Ndure SL, Jarju S, Sey AP, Damilare K D, Bah Y, Sambou S, Jarju G, Manjang B, Jagne A, Bittaye SO, Bittaye M, Forrest K, Tiruneh DA, Samateh AL, Jagne S, Hué S, Mohammed N, Amambua-Ngwa A, Kampmann B, D'Alessandro U, de Silva TI, **Roca A** and Sesay AK. Genomic epidemiology of SARS-CoV-2 infections in The Gambia: an analysis of routinely collected surveillance data between March, 2020, and January, 2022. *Lancet Glob Health*. 2023
8. Mohammed NI, Mackenzie G, Ezeani E, Sidibeh M, Jammeh L, Sarwar G, Saine AKF, Sonko B, Gomez P, Dondeh BL, Hossain MJ, Jasseh M, Usuf E, Prentice AM, Jeffries D, Dalessandro U and **Roca A**. Quantifying excess mortality during the COVID-19 pandemic in 2020 in The Gambia: a time-series analysis of three health and demographic surveillance systems. *Int J Infect Dis*. 2023
9. Darboe S, Mirasol R, Adejuyigbe B, Muhammad AK, Nadjm B, De St Maurice A, Dogan TL, Ceesay B, Umukoro S, Okomo U, Nwakanma D, **Roca A**, Secka O, Forrest K, Garner OB. Using an Antibiogram Profile to Improve Infection Control and Rational Antimicrobial Therapy in an Urban Hospital in The Gambia, Strategies and Lessons for Low- and Middle-Income Countries. *Antibiotics*. 2023
10. ao L, Chemaiteily H, Goldman E, Gudina EK, Khalil A, Ahmed R, James AB, **Roca A**, et al. Time to establish an international vaccine candidate pool for potential highly infectious respiratory disease: a community's view. *EClinicalMedicine*. 2023.
11. Impact of infection on proteome-wide glycosylation revealed by distinct signatures for bacterial and viral pathogens. **PERFORM consortium**. *iScience* 2023.
12. Ho A, Orton R, Tayler R, Asamaphan P, et al, ... **DIAMONDS Consortium; ISARIC Investigators**. Adeno-associated virus 2 infection in children with non-A-E hepatitis. *Nature* 2023.  
Jarju S, Senghore E, Brotherton H, Affleck L, Saidykhana A, Jallow S, Krubally E, Sinjanka E, Ndene MN, Bajo F, Sanyang MM, Saidy B, Bah A, Mohammed NI, Forrest K, Clarke E, Dalessandro U, Sesay AK, Usuf E, Cerami C, **Roca A**, Kampmann B, de Silva TI. Circulation of respiratory viruses during the COVID-19 pandemic in The Gambia. *Gates Open Res*. 2023.
- McClure EM, **Roca A**, Kotloff K, Carlo WA, D'Alessandro U, Tinto H, Camara B, Chomba E, Sow SO, Driscoll Am Meningway-Foday J and Tita A. Azithromycin in labour to reduce maternal and newborn sepsis and associated deaths: the need for a harmonized approach. *Gates Open Research* 2023.
15. Park SH, Hong SH, Kim K, Lee SW, Yon DK, Jung SJ, Abdeen Z, Ghayda RA, Ahmed MLCB, Serouri AA, Al-Herz W, Al-Shamsi HO, Ali S, Ali K, Baatarkhuu O, Nielsen HB, Bernini-Carri E, Bondarenko A, Cassell A, Cham A, Chua MLK, Dadabhai S, Darre T, Davtyan H, Dragioti E, East B, Edwards RJ, Ferioli M, Georgiev T, Ghandour LA, Harapan H, Hsueh PR, Mallah SI, Ikram A, Inoue S, Jacob L, Janković SM, Jayarajah U, Jesenak M, Kakodkar P, Kapata N, Kebede Y, Khader Y, Kifle M, Koh D, Maleš VK, Kotfis K, Koyanagi A, Kretchy JP, Lakoh S, Lee J, Lee JY, Mendonça MDLL, Ling L, Llibre-Guerra J, Machida M, Makurumidze R, Memish ZA, Mendoza I, Moiseev S, Nadasdy T, Nahshon C, Ñamendys-Silva SA, Yongsi BN, Nicolásora AD, Nugmanova Z, Oh H, Oksanen A, Owopetu O, Ozguler ZO, Parperis K, Perez GE, Pongpirul K, Rademaker M, Radojevic N, **Roca A**, et al. Nonpharmaceutical interventions reduce the incidence and mortality of COVID-19: A study based on the survey from the International COVID-19 Research Network (ICRN). *J Med Virol* 2023.
16. Keeley AJ, Groves D, Armitage EP, Senghore E, Jagne YJ, Sallah HJ, Drammeh S, Angyal A, Hornsby H, de Crombrugghe G, Smeesters P, Rossi O, Carducci M, Peno C, Bogaert D, Kampmann B, Marks M, Shaw HA, Turner CE, de Silva TI; **MRCG Strep A Study Group**. Streptococcus pyogenes colonization in children aged 24-59 months in The Gambia: Impact of Live Attenuated Influenza Vaccine and associated serological responses. *J Infect Dis*. 2023.
17. van der Velden FJS, Lim E, Gills L, Broadey J, Hayes L, Roberts E, Courtney J, Ball J, Herberg J, Galassini R, Emonts M; **DIAMONDS consortium**. Biobanking and consenting to research: a qualitative thematic analysis of young people's perspectives in the North East of England. *BMC Med Ethics*. 2023
18. A multi-platform approach to identify a blood-based host protein signature for distinguishing between bacterial and viral infections in febrile children (PERFORM): a multi-cohort machine learning study. **PERFORM Consortium**. *Lancet Digit Health* 2023.
19. Sanyang B, de Silva TI, Kanteh A, Bojang A, Manneh J, de Steenhuijsen Piters WAA, Peno C, Bogaert D, Sesay AK and **Roca A**. Effect of intra-partum azithromycin on the development of the infant nasopharyngeal microbiota: A post hoc analysis of a double-blind randomized trial. *EBioMedicine*. 2022

20. Jagne I, Keeley AJ, Bojang A, Camara B, Jallow E, Senghore E, Oluwalana C, Bah SY, Turner CE, Sesay AK, D'Alessandro U, Bottomley C, de Silva TI and **Roca A**. Impact of intra-partum azithromycin on carriage of group A streptococcus in the Gambia: a posthoc analysis of a double-blind randomized placebo-controlled trial. *BMC Infect Dis.* 2022.
21. Koech A, Musitia PM, Mwashigadi GM, Kinshella MW, Vidler M, Temmerman M, Craik R, von Dadelszen P, Noble JA, Papageorghiou AT; **PRECISE Network**. Acceptability and Feasibility of a Low-Cost Device for Gestational Age Assessment in a Low-Resource Setting: Qualitative Study. *JMIR Hum Factors.* 2022
22. Tan CD, van der Walle EEPL, Vermont CL, von Both U, Carroll ED, Eleftheriou I, Emonts M, van der Flier M, de Groot R, Herberg J, Kohlmaier B, Levin M, Lim E, Maconochie IK, Martinon-Torres F, Nijman RG, Pokorn M, Rivero-Calle I, Tsolia M, Yeung S, Zenz W, Zavadska D, Moll HA; **PERFORM consortium**. Guideline adherence in febrile children below 3 months visiting European Emergency Departments: an observational multicenter study. *Eur J Pediatr.* 2022.
23. Chaguza C, Ebruke C, Senghore M, Lo SW, Tientcheu PE, Gladstone RA, Tonkin-Hill G, Cornick JE, Yang M, Worwui A, McGee L, Breiman RF, Klugman KP, Kadioglu A, Everett DB, Mackenzie G, Croucher NJ, **Roca A**, Kwambana-Adams BA, Antonio M, Bentley SD. Comparative Genomics of Disease and Carriage Serotype 1 Pneumococci. *Genome Biol Evol.* 2022.
24. Diallo BA, Usuf E, Ceesay O, D'Alessandro U, **Roca A**, Martinez-Alvarez M. Clinical research on COVID-19: perceptions and barriers to participation in The Gambia. *BMJ Glob Health.* 2022.
25. **Antimicrobial Resistance Collaborators**. Global burden of bacterial antimicrobial resistance in 2019: a systematic analysis. *Lancet.* 2022.
26. Jarde A, Mohammed NI, Gomez P, Saine PC, D'Alessandro U and **Roca A**. Risk factors of infant mortality in rural The Gambia: a retrospective cohort study. *BMJ Paediatr Open.* 2021.
27. Kanteh A, Manneh J, Jabang S, Kujabi MA, Sanyang B, Oboh MA, Bojang A, Jallow HS, Nwakanma D, Secka O, **Roca A**, Amambua-Ngwa A, Antonio M, Baldeh I, Forrest K, Samateh AL, D'Alessandro U, Sesay AK. Origin of imported SARS-CoV-2 strains in The Gambia identified from whole genome sequences. *PLoS One.* 2021.
28. Brotherton H, Gai A, Kebbeh B, Njie Y, Walker G, Muhammad AK, Darboe S, Jallow M, Ceesay B, Samateh AL, Tann CJ, Cousens S, **Roca A** and Lawn JE. Impact of early kangaroo mother care versus standard care on survival of mild-moderately unstable neonates <2000 grams: A randomised controlled trial. *EClinicalMedicine.* 2021.
29. Gambian COVID-19 response group (**corresponding author Roca A**). Intense and Mild First Epidemic Wave of Coronavirus Disease, The Gambia. *Emerg Infect Dis.* 2021.
30. Getanda P, Bojang A, Camara B, Jagne-Cox I, Usuf E, Howden BP, D'Alessandro U, Bottomley C and **Roca A**. Short-term increase in the carriage of azithromycin-resistant *Escherichia coli* and *Klebsiella pneumoniae* in mothers and their newborns following intra-partum azithromycin: a post hoc analysis of a double-blind randomized trial. *JAC Antimicrob Resist.* 2021.
31. Sanyang B, Kanteh A, Usuf E, Nadim B, Jarju S, Bah A, Bojang A, Grey-Johnson M, Jones JC, Gai A, Sarr C, Sillah F, Wariri O, Oko F, Cerami C, Forrest K, Sey AP, Jallow H, Nwakanma D, Sesay AK, D'Alessandro U and **Roca A**. COVID-19 reinfections in The Gambia by phylogenetically distinct SARS-CoV-2 variants-first two confirmed events in west Africa. *Lancet Glob Health.* 2021.
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