

## PROF ANNA ROCA – CURRICULUM VITAE

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### PROFESSIONAL SUMMARY

Anna Roca is an ICREA Research Professor at ISGlobal and a distinguished global health epidemiologist. She also holds an Honorary position as a Research Professor at the MRC Unit The Gambia at LSHTM, awarded in recognition of her substantial contributions and leadership in shaping key strategic decisions. Prof Roca heads multi-disciplinary research groups across Europe and Africa and serves on several international experts' panels. Her research focuses on understanding the transmission dynamics of bacterial and viral infections and the design of novel strategies to control disease and the increasing threat of antimicrobial resistance. 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. 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

- |   |  |
|---|--|
| February 2025 – Current<br><b>ICREA Research Professor</b><br>ISGlobal – Barcelona, Spain             | <ul style="list-style-type: none"><li>• Training, mentoring and supervising.</li><li>• Contribute to grant proposal development and research funding applications.</li><li>• Participate in strategic planning and scientific advisory meetings.</li></ul>   |
| September 2025 – Current<br><b>Honorary Position as Research Professor</b><br>MRCG@LSHTM - The Gambia | <ul style="list-style-type: none"><li>• Training, mentoring and supervising.</li><li>• Contribute to grant proposal development and research funding applications.</li><li>• Participate in strategic planning and scientific advisory meetings.</li><li>• Support knowledge translation to policy and practice.</li></ul> |
| May 2020 – Aug 2025<br><b>Professor of Epidemiology</b><br>LSHTM - UK, The Gambia                     | <ul style="list-style-type: none"><li>• Established Epidemiological Research portfolio on bacterial transmission and interventions to reducing mortality</li><li>• Established SARS-CoV-2 research portfolio</li><li>• Supervising, mentoring, teaching and participating at LSHTM vision and strategy</li></ul>           |

- Nov 2017 – Aug 2025  
**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 – Aug 2025  
**Programme Leader**  
UK-RI - UK

  - Participating in the UK Research Strategy
  
- May 2014 - Oct 2017  
**Theme Coordinator Disease Control & Elimination**  
MRCG - The Gambia

  - Coordinating Theme with 450 employees, from lab and field staff, to PhD students, post-docs and senior scientists
  
- 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) - Sibanor 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 Manhica (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.
- 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.

## LANGUAGES

### English

Advanced (C1)

### Spanish

Bilingual or Proficient (C2)

### Catalan

Bilingual or Proficient (C2)

### Portuguese

Intermediate (B1)

## 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

- College of Experts to assess 'Transdisciplinary research to tackle antimicrobial resistance' at UKRI. Member. Since September 2025.
- 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) ISGlobal

- Core Scientific Committee. Member. Since 2026.
- Mentoring Committee. Chair at Campus Clinic. Since 2026.
- Postdoctoral Committee. Chair at Campus Clinic. Since 2026.
- Promotions Committee to Associate Research Professor and Full Professor. May-July 2025.

## 4) 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.
- 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.
- Global Burden of Disease and Mortality working group. 2014 - 2015.
- Decade of Vaccines Case studies: Respiratory Syncytial Virus. 2011-2012.
- WHO-Pneumonia Research Priorities exercise. 2009
- Edinburgh Global Burden of disease. 2008-2010

## RESEARCH GRANTS

### SECURED RESEARCH FUNDING

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

- REKAP. Role of E. coli and Klebsiella in Stillbirths in Africa. \$556,556. Funded by Gates Foundation (2025 - 2027)
- GBS-A. GBS in intrapartum-related asphyxia and stillbirth in Africa. \$770,737. Funded by Gates Foundation (2025-2027)
- RePte. Millora de la Reanimació Neonatal a Països de l'Àfrica de l'Oest: Formació, Difusió i Impacte en Polítiques de Salut. (Improving Neonatal Resuscitation in West African Countries: Training, Dissemination, and Impact on Health Policies). 5.000€. Funded by ISGlobal. (2025-2027)
- 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. Sibanor Pneumococcal Vaccine Trial. 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.
- 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. Early Kangaroo Mother Care in Gambian Hospitalized Unstable Children. PI Dr Helen Brotherton. Role co-Investigator. Funder WellcomeTrust.

## International Meetings

Some examples over the last few years:

- FIGO World Congress of Gynecology and Obstetrics. 5-9 October 2025. Plenary Talk.
- 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.

- 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 presentations of my team members:

- AMR African alliance. 2023. Johannesburg, South Africa.
- Clinical Paediatrics. 9-10 December 2022. Barcelona. Kangaroo mother care work.
- Pneumococcus work. In ISPPD10, -11, -12

## PhD STUDENTS

### Ongoing:

- 2 ongoing PhD students based in The Gambia as Director of Studies (n=2). Students are enrolled to do their PhD at the LSHTM (2).

### Completed:

- 10 completed PhD students: 4 at the LSHTM, 3 at the Open University in UK and 3 at the University of Barcelona. Examples of last year completed PhDs:
  - Pauline Getanda. September 2025. Title: Impact of intrapartum azithromycin on the carriage and antibiotic resistance of *Escherichia coli* and *Klebsiella pneumoniae*. Open University, UK. Role: Director of Studies.
  - Bakary Sanyang July 2025. Title: Effect of Intrapartum Azithromycin on Early Childhood Microbiome Development A Randomized Placebo-Controlled Trial. LSHTM. Role: Director of Studies.
  - Chiao-Wei Lo. July 2025. Title: The Human Milk Microbiome and the Impact of Intrapartum Azithromycin Prophylaxis among Gambian Women. LSHTM. Role: Supervisor.
  - Saffiatou Darboe. June 2025. Title: Epidemiology, AMR, and genomics of bacteria causing invasive human disease in The Gambia. LSHTM. Role: Director of Studies.
  - Helen -LSHTM – SUPERVISOR
  - Nuredin – SUPERVISOR
  - ABDOIULIE BOJAND – DIRECTOR OF STUDIES
  - Betuel L. Sigaúque. May 2009. Title: Invasive bacterial infections in Mozambique. Open University, UK. Co-director of Studies.
  - Nuria Diez-Padrisa. May 2011. Title: Potential biomarkers for bacterial pneumonia diagnosis in malaria endemic areas. University of Barcelona. Director of Studies.
  - Cristina O’Callaghan. 2011. Title: Viral pathogens causing pneumonia in Mozambique. Open University. Director of Studies.

## 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 a Post-doctoral fellow at ISGlobal on NOMA. 2025-2028.

- Peter Piot Post-doctoral Research Fellow on Epidemic Preparedness. 2025-2027
- Mentoring a Post-doctoral fellow at ISGlobal on Climate Change and infectious diseases. 2025-27
- 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 the AREF Research Development Fellowships**

Member of AREF College of Experts. Reviewer and scorer of applications for the AREF Research Development Fellowships aiming to identify the most promising researchers with the highest potential working in supportive environments. Anna Roca's input is requested as an experienced researcher on the applicant's career development, suitability to benefit from a fellowship, and their research environment.

- **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).

- **Reviewer of AMR Data**

Member of the REACH AMR Data Review Panel to ensure a rigorous and transparent process, and lead to recommendations for harmonized and scientifically proven AMR surveillance methods within the context of azithromycin mass drug administration (MDA) campaigns. The conclusions from the REACH Panel will also contribute to advancing ongoing national, regional, and global discussions on antimicrobial stewardship.

## COMMUNITY ENGAGEMENT

- Setting Priorities for Maternal and Neonatal Health in The Gambia. 17<sup>th</sup> July 2025.
- Inspirational talk at Master's graduation ceremony of the Faculty of Medicine and Health Sciences at the University of Barcelona. 4<sup>th</sup> July 2025.
- 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

More than 160 peer reviewed publications (including commentaries on global health research) with a H-index of 52 (google scholar), including 22 publications as first author and 42 as last author and 38,961 citations (by September 1<sup>st</sup>, 2025).

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. Grey-Johnson M, Muhammad A, Sillah F, Jones J, Sarr C, Babatunde H, Dibba BK, Ndure E, Bojang L, Roberts C, Bittaye M, Mohammed N, Nadjm B, D'Alessandro U, **Roca A**, Usuf E. COVID-19 testing acceptance among symptomatic individuals screened for a randomized clinical trial in The Gambia. [Vaccine 2025](#).
2. Sanyang B, Dabrowska M, Amenyogbe N, Camara B, Beloum N, Jammeh M, Bojang D, Goodall J, Mohammed N, Sesay A, **Roca A\***, de Silva T\*. Effect of intrapartum azithromycin on early childhood gut mycobiota development: post hoc analysis of a double-blind randomized trial. [Nature Communications 2025](#) (\*Equal contribution). –
3. Craik R, Akuze J, Volvert ML, Blencowe H, Mukhanya M, Makanga PT, Tchavana C, Moore SE, Vala A, Koech A, Tribe RM, Noble A, Bah B, D'Alessandro U, Vidler M, Tu D, Maculuvu S, Wanje O, Idris Y, Mwashigadi G, Ochieng M, Filippi V, **Roca A**, Magee LA, Poston L, Mistry H, Bah Y, Li J, Temmerman M, Sevene E, Jah H, Mwadime E, Barratt B, Papageorghiou AT, Makacha L, Quimice L, Touray F, Salisbury T, Kongira F, von Dadelszen P; PRECISE Network. PREgnancy Care Integrating translational Science, Everywhere (PRECISE): a prospective cohort study of African pregnant and non-pregnant women to investigate placental disorders - cohort profile. [BMJ Open 2025](#).
4. Kinshella MW, Dama S, Wanje O, Pires R, Boene H, Jagne P, Jah H, Koech A, Mwashigadi G, Naanyu V, Idris Y, Kongira F, Diallo BA, Ceasay O, Volvert ML, Mistry HD, Temmerman M, Sevene E, **Roca A**, D'Alessandro U, Vidler M, Magee LA, von Dadelszen P, Moore SE, Elango R; PRECISE Network. Community perspectives on maternal dietary diversity in rural Kenya, Mozambique and The Gambia: A PRECISE Network qualitative study. [PLOS Glob Public Health 2025](#).
5. Wanje O, Koech A, Kinshella M-LW, Mwashigadi G, Kombo A, Maitha G, Barreh N, Mistry HD, Vidler M, Craik R, Volvert M-L, von Dadelszen P, Temmerman M and **The PRECISE Network**. Community engagement approaches and lessons learned: a case study of the PRECISE pregnancy cohort study in Kenya. [Frontiers in Public Health 2025](#).
6. Ezeani ES, Gollam S, Mohammed N, **Roca A**, Hossain J, Hossain I, Saine AK, D'Alessandro U, Mackenzie G. Cohort Profile: Basse Health and Demographic Surveillance System, the Gambia. [Int J Epidemiol 2025](#).
7. Bojang A, Chung M, Camara B, Jagne I, Guérrillot R, Ndure E, Howden B, **Roca A**, Ghedin E. Genomic approach to determine sources of neonatal Staphylococcus aureus infection from carriage in the Gambia. [BMC Infectious Diseases 2024](#).
8. Sanyang B, de Silva TI, Camara B, Beloum N, Kanteh A, Manneh J, de Steenhuijsen Piters WAA, Bogaert D, Sesay Ak, **Roca A**. Effect of intrapartum azithromycin on gut microbiota development in early childhood: A post hoc analysis of a double-blind randomized trial. [iScience 2024](#).
9. Magai D, Chandna J, Volvert M-L, Craik R, Jah H, Kongira F, Bojang K, Koech A, Mwashigadi G, Mutua A, Blencowe H, D'Alessandro U, **Roca A**, Temmerman M, von Dadelszen P, Abubakar A, Gladstone M. The PRECISE-DYAD Neurodevelopmental substudy protocol: neurodevelopmental risk in children of mothers with pregnancy complications. [Wellcome Open Research 2024](#).
10. Gehre F, Oko F, Ofori-Anyinam B, Meehan CJ, Windels EM, Joof K, Faal T, Mendy F, Jobarteh T, Gitteh E, Riley AJ, Sarr-Kuyateh B, Okoi C, Demba E, Del-Alorse W, Mlaga K, Sambou B, Kanuteh Fatoumatta, Lette K, Muhammad AK, Agbla S, Mulders W, Donkor S, Jeffries David, Roca A, D'Alessandro U, Antonio M, Adetifa I, de Jong BC. Assessing the impact of Enhanced-Case-Finding on tuberculosis incidence and transmission in The Gambia using epidemiological and phylodynamic approaches. [Medrxiv 2024](#).
11. Getanda P, Jagne I, Bognini JD, Camara B, Sanyang B, Darboe S, Sambou E, Barry M, Kassibo K, Cham A, Mendy 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 2024](#).
12. **Group authorship**. The burden of bacterial antimicrobial resistance in the WHO African region in 2019: a cross-country systematic analysis. [Lancet GH 2024](#).
13. **Group authorship, ISARIC Investigators**. Implementation of Recommendations on the Use of Corticosteroids in Severe COVID-19. [JAMA Network Open. 2024](#).

14. **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](#).
15. 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](#)
16. **Roca A, Camara B, Tinto H**. Intrapartum Azithromycin vs Placebo for Neonatal Sepsis-Reply. [JAMA 2023](#).
17. **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](#)
18. 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](#)
19. 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](#)
20. ao L, Chemaitelly 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](#).
21. Impact of infection on proteome-wide glycosylation revealed by distinct signatures for bacterial and viral pathogens. **PERFORM consortium**. [iScience 2023](#).
22. 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](#).  
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