

Stephanie Bjerrum
Department of Clinical Research
KI, OUH, Research unit of Infectious Diseases (Odense)
Email: sbjerrum@health.sdu.dk

Qualifications

MD
MSc Public Health
PhD

Employment

Department of Clinical Research

19. Mar 2024 → 31. Oct 2025

Visiting Researcher

KI, OUH, Research unit of Infectious Diseases (Odense)

19. Mar 2024 → 31. Oct 2025

Research information

Ongoing research activities: (1) 2018 - Investigator (First Author), Systematic review of LF-LAM for diagnosing active TB in collaboration with WHO Guidelines Development Group/Cochrane Infectious disease, Department of Infectious Diseases OUH/SDU, OPEN. (2) 2018 -Investigator/Supervisor, Point-of-care strategies to improve Tuberculosis care among severely immunosuppressed HIV-infected patients (PhD project Johanna Axelsson); Personalized tuberculosis risk profile in a prospective cohort study in Denmark (PhD project Anne Ahrens Østergaard), Department of Infectious Diseases, OUH/SDU. (3) 2016 - Supervisor, PhD-project (MD Kwaku Labi Appiah Korang): Healthcare Associated Infections in Ghana, University of Copenhagen/University of Ghana

Research outputs

Factors associated with tuberculosis treatment initiation among bacteriologically negative individuals evaluated for tuberculosis: An individual patient data meta-analysis

Kim, S., Can, M. H., Agizew, T. B., Auld, A. F., Balcells, M. E., Bjerrum, S., Dheda, K., Dorman, S. E., Esmail, A., Fielding, K., Garcia-Basteiro, A. L., Hanrahan, C. F., Kebede, W., Kohli, M., Luetkemeyer, A. F., Mita, C., Reeve, B. W. P., Silva, D. R., Sweeney, S. & Theron, G. & 6 others, Trajman, A., Vassall, A., Warren, J. L., Yotebieng, M., Cohen, T. & Menzies, N. A., Jan 2025, In: PLoS Medicine. 22, 1, 18 p., e1004502.

Whole-blood culture-derived cytokine combinations for the diagnosis of tuberculosis

Østergaard, A. A., Feddersen, S., Barnkob, M. B., Lynggaard, R. B., Karstoft, A. C. A., Borup, M., Titlestad, I. L., Jensen, T. T., Hilberg, O., Wejse, C., Bjerrum, S., Blaabjerg, M., Assing, K. & Johansen, I. S., 12. Jun 2024, In: Frontiers in Immunology. 15, 14 p., 1397941.

Parallel use of low-complexity automated nucleic acid amplification tests and lateral flow urine lipoarabinomannan assays to detect tuberculosis disease in adults and adolescents living with HIV

Bjerrum, S., Yang, B., Åhsberg, J., Nathavitharana, R. R., Olbrich, L., Jaganath, D., Kay, A. W., Lundh, A. & Shah, M., 13. May 2024, In: Cochrane Database of Systematic Reviews. 2024, 5, CD016070.

Parallel use of low-complexity automated nucleic acid amplification tests on respiratory samples and stool with or without lateral flow lipoarabinomannan assays to detect pulmonary tuberculosis disease in children

Olbrich, L., Kay, A. W., Bjerrum, S., Yang, B., Åhsberg, J., Nathavitharana, R. R., Lundh, A., Shah, M. & Jaganath, D., 13. May 2024, In: Cochrane Database of Systematic Reviews. 2024, 5, CD016071.

Prevalence estimates of tuberculosis infection in adults in Denmark: a retrospective nationwide register-based cross-sectional study, 2010 to 2018

Østergaard, A. A., Lillebaek, T., Petersen, I., Fløe, A., Worren Bøkan, E. H., Hilberg, O., Holden, I. K., Larsen, L., Colic, A., Wejse, C., Ravn, P., Nørgård, B. M., Bjerrum, S. & Johansen, I. S., 21. Mar 2024, In: Eurosurveillance. 29, 12, 8 p., 2300590.

Point-of-Care Urine Lipoarabinomannan Testing to Guide Tuberculosis Treatment among Severely Ill Inpatients with Human Immunodeficiency Virus in Real-World Practice: a multi-center stepped wedge cluster-randomized trial from Ghana

Åhsberg, J., Puplampu, P., Kwashie, A., Commey, J. O., Ganu, V. J., Omari, M. A., Adusi-Poku, Y., Andersen, Å. B., Kenu, E., Lartey, M., Johansen, I. S. & Bjerrum, S., 15. Oct 2023, In: *Clinical Infectious Diseases*. 77, 8, p. 1185-1193

The in-hospital tuberculosis diagnostic cascade and early clinical outcomes among people living with HIV before and during the COVID-19 pandemic - a prospective multisite cohort study from Ghana

Åhsberg, J., Bjerrum, S., Ganu, V. J., Kwashie, A., Commey, J. O., Adusi-Poku, Y., Puplampu, P., Andersen, Å. B., Kenu, E., Lartey, M. & Johansen, I. S., Mar 2023, In: *International Journal of Infectious Diseases*. 128, p. 290-300

Diagnostic Accuracy of a Novel Tuberculosis Point-of-Care Urine Lipoarabinomannan Assay for People Living with HIV: A Meta-Analysis of Individual In- and Outpatient Data

Broger, T., Nicol, M. P., Székely, R., Bjerrum, S., Sossen, B., Schutz, C., Opintan, J. A., Johansen, I. S., Mitarai, S., Chikamatsu, K., Kerkhoff, A. D., Macé, A., Ongarello, S., Meintjes, G., Denkinger, C. M. & Schumacher, S. G., 2023, *Advances in Medical Imaging, Detection, and Diagnosis*. Bawa, R., Audette, G. F., Bawa, S. R., Patel, B., Johnson, B. D. & Khanna, R. (eds.). Jenny Stanford Publishing, p. 955-972

Use of the urine Determine LAM test in the context of tuberculosis diagnosis among inpatients with HIV in Ghana: a mixed methods study

Åhsberg, J., Tersbøl, B. P., Puplampu, P., Kwashie, A., Commey, J. O., Adusi-Poku, Y., Moseholm, E., Andersen, Å. B., Kenu, E., Lartey, M., Johansen, I. S. & Bjerrum, S., 2023, In: *Frontiers in Public Health*. 11, 15 p., 1271763.

Diagnostic accuracy of WHO screening criteria to guide lateral-flow lipoarabinomannan testing among HIV-positive inpatients: A systematic review and individual participant data meta-analysis

Dhana, A., Hamada, Y., Kengne, A. P., Kerkhoff, A. D., Broger, T., Denkinger, C. M., Rangaka, M. X., Gupta-Wright, A., Fielding, K., Wood, R., Huerga, H., Rücker, S. C. M., Bjerrum, S., Johansen, I. S., Thit, S. S., Kyi, M. M., Hanson, J., Barr, D. A., Meintjes, G. & Maartens, G., Jul 2022, In: *Journal of Infection*. 85, 1, p. 40-48

Diagnostic Accuracy of Urine Lipoarabinomannan Testing in Early Morning Urine versus Spot Urine for Diagnosis of Tuberculosis among People with HIV

Bjerrum, S., Åhsberg, J., Székely, R., Opintan, J., Lartey, M., Shah, M., Mitarai, S., Broger, T., Ruhwald, M. & Johansen, I. S., 27. Apr 2022, In: *Microbiology Spectrum*. 10, 2, 11 p.

Tuberculosis screening among ambulatory people living with HIV: a systematic review and individual participant data meta-analysis

Dhana, A., Hamada, Y., Kengne, A. P., Kerkhoff, A. D., Rangaka, M. X., Kredon, T., Baddeley, A., Miller, C., Singh, S., Hanifa, Y., Grant, A. D., Fielding, K., Affolabi, D., Merle, C. S., Wachinou, A. P., Yoon, C., Cattamanchi, A., Hoffmann, C. J., Martinson, N. & Mbu, E. T. & 34 others, Sander, M. S., Balcha, T. T., Skogmar, S., Reeve, B. W. P., Theron, G., Ndlangalavu, G., Modi, S., Cavanaugh, J., Swindells, S., Chaisson, R. E., Ahmad Khan, F., Howard, A. A., Wood, R., Thit, S. S., Kyi, M. M., Hanson, J., Drain, P. K., Shapiro, A. E., Kufa, T., Churchyard, G., Nguyen, D. T., Graviss, E. A., Bjerrum, S., Johansen, I. S., Gersh, J. K., Horne, D. J., LaCourse, S. M., Al-Darraj, H. A. A., Kamarulzaman, A., Kempker, R. R., Tukvadze, N., Barr, D. A., Meintjes, G. & Maartens, G., Apr 2022, In: *The Lancet Infectious Diseases*. 22, 4, p. 507-518

Tuberculosis screening among HIV-positive inpatients: a systematic review and individual participant data meta-analysis

Dhana, A., Hamada, Y., Kengne, A. P., Kerkhoff, A. D., Rangaka, M. X., Kredon, T., Baddeley, A., Miller, C., Gupta-Wright, A., Fielding, K., Wood, R., Huerga, H., Rücker, S. C. M., Heidebrecht, C., Wilson, D., Bjerrum, S., Johansen, I. S., Thit, S. S., Kyi, M. M. & Hanson, J. & 3 others, Barr, D. A., Meintjes, G. & Maartens, G., Apr 2022, In: *The Lancet HIV*. 9, 4, p. e233-e241

Impact of diagnostic strategies for tuberculosis using lateral flow urine lipoarabinomannan assay in people living with HIV

Nathavitharana, R. R., Lederer, P., Chaplin, M., Bjerrum, S., Steingart, K. R. & Shah, M., 20. Aug 2021, In: *Cochrane Database of Systematic Reviews*. 8, 8, CD014641.

Diagnostic accuracy of a novel tuberculosis point-of-care urine lipoarabinomannan assay for people living with HIV: A meta-analysis of individual in- and outpatient data

Broger, T., Nicol, M. P., Székely, R., Bjerrum, S., Sossen, B., Schutz, C., Opintan, J. A., Johansen, I. S., Mitarai, S., Chikamatsu, K., Kerkhoff, A. D., Macé, A., Ongarelo, S., Meintjes, G., Denkinge, C. M. & Schumacher, S. G., 1. May 2020, In: PLoS Medicine. 17, 5, 16 p., e1003113.

Diagnostic accuracy of a novel and rapid lipoarabinomannan test for diagnosing tuberculosis among people with human immunodeficiency virus

Bjerrum, S., Broger, T., Székely, R., Mitarai, S., Opintan, J. A., Kenu, E., Lartey, M., Addo, K. K., Chikamatsu, K., Macé, A., Schumacher, S. G., Moreau, E., Shah, M., Johansen, I. S. & Denkinge, C. M., 1. Jan 2020, In: Open Forum Infectious Diseases. 7, 1, 11 p., ofz530.

Lateral flow urine lipoarabinomannan assay for detecting active tuberculosis in people living with HIV

Bjerrum, S., Schiller, I., Dendukuri, N., Kohli, M., Nathavitharana, R. R., Zwerling, A. A., Denkinge, C. M., Steingart, K. R. & Shah, M., 21. Oct 2019, In: Cochrane Database of Systematic Reviews. 2019, 10, 101 p., CD011420.

Extrapulmonary Tuberculosis in Denmark From 2009 to 2014; Characteristics and Predictors for Treatment Outcome

Holden, I. K., Lillebaek, T., Andersen, P. H., Bjerrum, S., Wejse, C. & Johansen, I. S., Oct 2019, In: Open Forum Infectious Diseases. 6, 10, 9 p., ofz388.

Antibiotic use in surgical units of selected hospitals in Ghana: A multi-centre point prevalence survey

Bediako-Bowan, A. A. A., Owusu, E., Labi, A. K., Obeng-Nkrumah, N., Sunkwa-Mills, G., Bjerrum, S., Opintan, J. A., Bannerman, C., Mølbak, K., Kurtzhals, J. A. L. & Newman, M. J., 21. Jun 2019, In: BMC Public Health. 19, 10 p., 797.

Multi-centre point-prevalence survey of hospital-acquired infections in Ghana

Labi, A. K., Obeng-Nkrumah, N., Owusu, E., Bjerrum, S., Bediako-Bowan, A., Sunkwa-Mills, G., Akufo, C., Fenny, A. P., Opintan, J. A., Enweronu-Laryea, C., Debrah, S., Damale, N., Bannerman, C. & Newman, M. J., Jan 2019, In: Journal of Hospital Infection. 101, 1, p. 60-68

Antibiotic prescribing in paediatric inpatients in Ghana: A multi-centre point prevalence survey

Labi, A. K., Obeng-Nkrumah, N., Sunkwa-Mills, G., Bediako-Bowan, A., Akufo, C., Bjerrum, S., Owusu, E., Enweronu-Laryea, C., Opintan, J. A., Kurtzhals, J. A. L. & Newman, M. J., 20. Dec 2018, In: BMC Pediatrics. 18, 1, 9 p., 391.

Traffic flow and microbial air contamination in operating rooms at a major teaching hospital in Ghana

Stauning, M. T., Bediako-Bowan, A., Andersen, L. P., Opintan, J. A., Labi, A. K., Kurtzhals, J. A. L. & Bjerrum, S., 1. Jul 2018, In: Journal of Hospital Infection. 99, 3, p. 263-270

Adventure tourism and schistosomiasis: serology and clinical findings in a group of Danish students after white-water rafting in Uganda

Röser, D., Bjerrum, S., Helleberg, M., Nielsen, H. V., David, K. P., Thybo, S. & Stensvold, C. R., Apr 2018, In: J M M Case Reports. 5, 4, 5 p., e005141.

Physicians' knowledge, attitudes, and perceptions concerning antibiotic resistance: A survey in a Ghanaian tertiary care hospital

Labi, A. K., Obeng-Nkrumah, N., Bjerrum, S., Aryee, N. A. A., Ofori-Adjei, Y. A., Yawson, A. E. & Newman, M. J., 20. Feb 2018, In: BMC Health Services Research. 18, 12 p., 126.

Antibiotic use in a tertiary healthcare facility in Ghana: A point prevalence survey

Labi, A. K., Obeng-Nkrumah, N., Nartey, E. T., Bjerrum, S., Adu-Aryee, N. A., Ofori-Adjei, Y. A., Yawson, A. E. & Newman, M. J., 26. Jan 2018, In: Antimicrobial Resistance and Infection Control. 7, 9 p., 15.

The HIV-associated tuberculosis epidemic in Ghana: potential for improved tuberculosis case detection among people living with HIV

Bjerrum, S., 2017, Syddansk Universitet. Det Sundhedsvidenskabelige Fakultet.

Neonatal bloodstream infections in a Ghanaian Tertiary Hospital: Are the current antibiotic recommendations adequate?
Labi, A.-K., Obeng-Nkrumah, N., Bjerrum, S., Enweronu-Laryea, C. & Newman, M. J., 24. Oct 2016, In: BMC Infectious Diseases. 16, 12 p., 598.

Tuberculosis and non-tuberculous mycobacteria among HIV-infected individuals in Ghana

Bjerrum, S., Oliver-Commey, J., Kenu, E., Lartey, M., Newman, M. J., Addo, K. K., Hilleman, D., Andersen, A. B. & Johansen, I. S., 1. Sept 2016, In: Tropical Medicine & International Health. 21, 9, p. 1181-1190

Tuberculosis screening in patients with HIV: use of audit and feedback to improve quality of care in Ghana

Bjerrum, S., Bonsu, F., Hanson-Nortey, N. N., Kenu, E., Johansen, I. S., Andersen, A. B., Bjerrum, L., Jarbøl, D. & Munck, A., 2016, In: Global Health Action. 9, 1, 10 p., 32390.

Diagnostic accuracy of the rapid urine lipoarabinomannan test for pulmonary tuberculosis among HIV-infected adults in Ghana-findings from the DETECT HIV-TB study

Bjerrum, S., Kenu, E., Lartey, M., Newman, M. J., Addo, K. K., Andersen, A. B. & Johansen, I. S., 1. Oct 2015, In: BMC Infectious Diseases. 15, 407.

Characteristics and Clinical Outcome of Bone and Joint Tuberculosis From 1994 to 2011: A Retrospective Register-based Study in Denmark

Johansen, I. S., Nielsen, S. L., Hove, M., Kehrer, M., Shakar, S., Wøyen, A. V. T., Andersen, P. H., Bjerrum, S., Wejse, C. & Andersen, Å. B., 15. Aug 2015, In: Clinical Infectious Diseases. 61, 4, p. 554-562

Urine lipoarabinomannan point-of-care testing in patients affected by pulmonary nontuberculous mycobacteria - experiences from the Danish Cystic Fibrosis cohort study

Qvist, T., Johansen, I. S., Pressler, T., Høiby, N., Andersen, A. B., Katzenstein, T. L. & Bjerrum, S., 4. Dec 2014, In: BMC Infectious Diseases. 14, 1, 655.

A review of paediatric tuberculosis in Denmark: 10-year trend, 2000-2009

Hatleberg, C., Prah, J. B., Rasmussen, J. N., Andersen, P. H., Bjerrum, S., Thomsen, V. Ø. & Johansen, I. S., Mar 2014, In: European Respiratory Journal. 43, 3, p. 863-871

Use of population based background rates of disease to assess vaccine safety in childhood and mass immunisation in Denmark: Nationwide population based cohort study

Rasmussen, T. A., Jørgensen, M. R. S., Bjerrum, S., Jensen-Fangel, S., Støvring, H., Østergaard, L. & Søgaard, O. S., 13. Oct 2012, In: The BMJ. 345, 12 p., e5823.

Primary health care staff's perceptions of childhood tuberculosis: A qualitative study from Tanzania

Bjerrum, S., Rose, M. V., Bygbjerg, I. C., Mfinanga, S. G., Tersboel, B. P. & Ravn, P., 10. Jan 2012, In: BMC Health Services Research. 12, 1, 6.

Activities

Chair of the assessment committee for Johanna Åhsberg's PhD thesis

Linde, D. (Examiner), Johansen, I. S. (Principal supervisor), Bjerrum, S. (Co-supervisor), Lartey, M. (Co-supervisor), Andersen, Å. B. (Co-supervisor) & Kenu, E. (Co-supervisor)
7. Oct 2023

WHO, Guideline Development Group Meeting on the use of AlerLAM for TB diagnosis, Geneva

Bjerrum, S. (Participant)
May 2019

Rapid TB diagnosis - needs, achievements and future ambitions to find the missing people

Bjerrum, S. (Guest lecturer)
2019

Diagnostic accuracy of urine based Xpert MTB/RIF for diagnosis of tuberculosis in a cohort of HIV-infected individuals from Ghana

Bjerrum, S. (Guest lecturer)
2017

Global Health Action (Journal)

Bjerrum, S. (Peer reviewer)
2017 → ...

International Journal of Infectious Diseases (Journal)

Bjerrum, S. (Peer reviewer)
2017 → ...

Open Forum Infectious Diseases (Journal)

Bjerrum, S. (Peer reviewer)
2017 → ...

Resistance to anti-tuberculous drugs and outcome among TB/HIV co-infected adults in Ghana

Bjerrum, S. (Guest lecturer)
2017

BMC Infectious Diseases (Journal)

Bjerrum, S. (Peer reviewer)
2015 → ...

Clinical importance of pulmonary nontuberculous mycobacteria isolated among HIV-positive individuals in Ghana

Bjerrum, S. (Guest lecturer)
2015

Quality of tuberculosis screening in HIV out-patient departments in Ghana: Results of an ongoing audit project using a Nordic quality development tool

Bjerrum, S. (Guest lecturer)
2015

Resistance to anti-tuberculous Drugs and Outcome among TB/HIV co-infected Adults in Ghana - Detect HIV/TB study

Bjerrum, S. (Guest lecturer)
2015

Diagnostic accuracy of rapid urine LAM test for diagnosing active tuberculosis among HIV infected adults in Ghana

Bjerrum, S. (Guest lecturer)
2014

Projects

HAI-Ghana: Danida South-driven development research programme (UM id: 892333): "Healthcare associated infections in Ghana".

Bjerrum, S. (Head coordinator), KI, OUH, Research unit of Infectious Diseases (Odense)

Hepatitis C prevalence and Risk in people with psychiatric disorders

Systematic Review

Øvrehus, A. L. H. (Project participant), KI, OUH, Research unit of Infectious Diseases (Odense)

Wentworth, J. J. (PI), KI, OUH, Research unit of Infectious Diseases (Odense)

Bjerrum, S. (Project participant), KI, OUH, Research unit of Infectious Diseases (Odense)

Bækby, M. (Project participant), Aarhus University Hospital

Hjerrild, S. (Project participant), Aarhus University Hospital

Christensen, P. B. (Project participant), KI, OUH, Research unit of Infectious Diseases (Odense)

Region of Southern Denmark 2018: "Improved management of mycobacterial infections in a national and international perspective"

The project is a multidisciplinary project that aim towards TB elimination in Denmark and reduced inequalities in disease and health care with a focus on international TB care. I was instrumental in designing the project and obtain the funding. Bjerrum, S. (Head coordinator), KI, OUH, Research unit of Infectious Diseases (Odense)

Teaching and supervision

Danida South-driven development research programme (UM id: 892333): "Healthcare associated infections in Ghana".

Descriptions

Description

Information

Period 01/01/2016 → ...
Subject Director Bjerrum, S., KI, OUH, Research unit of Infectious Diseases (Odense)
Managing organisational unit KI, OUH, Research unit of Infectious Diseases (Odense)

HIV-AIDS and the Global Tuberculosis programme

Descriptions

Description

Information

Period 01/01/2017 → ...
Subject Director Bjerrum, S., KI, OUH, Research unit of Infectious Diseases (Odense)
Managing organisational unit KI, OUH, Research unit of Infectious Diseases (Odense)

Point-of-care strategies to improve Tuberculosis care among severely immunosuppressed HIV-infected patients in Ghana.

Descriptions

Description

Information

Period 01/01/2017 → ...
Subject Director Bjerrum, S., KI, OUH, Research unit of Infectious Diseases (Odense)
Managing organisational unit KI, OUH, Research unit of Infectious Diseases (Odense)

TB, HIV, and Global Health

Descriptions

Description

Information

Period	03/02/2015 → ...
Subject Director	Bjerrum, S., KI, OUH, Research unit of Infectious Diseases (Odense)
Managing organisational unit	KI, OUH, Research unit of Infectious Diseases (Odense)

Tuberculosis

Descriptions

Description

Information

Period	01/01/2017 → ...
Subject Director	Bjerrum, S., KI, OUH, Research unit of Infectious Diseases (Odense)
Managing organisational unit	KI, OUH, Research unit of Infectious Diseases (Odense)