

Stephanie Bjerrum  
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KI, OUH, Forskningsenhed for Infektionsmedicin (Odense)  
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## Kvalifikationer

Cand.med.  
MSc Public Health  
PhD

## Ansættelse

Klinisk Institut  
SDU  
1. maj 2021 → 30. maj 2023

## Postdoc

KI, OUH, Forskningsenhed for Infektionsmedicin (Odense)  
SDU  
1. maj 2021 → 30. maj 2023

## Forskningsinformation

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

## Publikationer

### **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., Denking, 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, I: Journal of Infection. 85, 1, s. 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., Szekely, R., Opintan, J., Lartey, M., Shah, M., Mitarai, S., Broger, T., Ruhwald, M. & Johansen, I. S., 27. apr. 2022, I: Microbiology Spectrum. 10, 2, 11 s.

### **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., Cattaman, A., Hoffmann, C. J., Martinson, N., Mbu, E. T., & 34 flere 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, I: The Lancet Infectious Diseases. 22, 4, s. 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., Kredo, 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 flereBarr, D. A., Meintjes, G. & Maartens, G., apr. 2022, I: *The Lancet HIV*. 9, 4, s. 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, I: *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., Ongarello, S., Meintjes, G., Denkinger, C. M. & Schumacher, S. G., 1. maj 2020, I: *PLoS Medicine*. 17, 5, 16 s., 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. & Denkinger, C. M., 1. jan. 2020, I: *Open Forum Infectious Diseases*. 7, 1, 11 s., 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., Zwierling, A. A., Denkinger, C. M., Steingart, K. R. & Shah, M., 21. okt. 2019, I: *Cochrane Database of Systematic Reviews*. 2019, 10, 101 s., 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., okt. 2019, I: *Open Forum Infectious Diseases*. 6, 10, 9 s., 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, I: *BMC Public Health*. 19, 10 s., 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, I: *Journal of Hospital Infection*. 101, 1, s. 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, I: *BMC Pediatrics*. 18, 1, 9 s., 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, I: *Journal of Hospital Infection*. 99, 3, s. 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, I: *J M M Case Reports*. 5, 4, 5 s., 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, I: *BMC Health Services Research*. 18, 12 s., 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, I: Antimicrobial Resistance and Infection Control. 7, 9 s., 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. okt. 2016, I: BMC Infectious Diseases. 16, 12 s., 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. sep. 2016, I: Tropical Medicine & International Health. 21, 9, s. 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, I: Global Health Action. 9, 1, 10 s., 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. okt. 2015, I: B M C 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, I: Clinical Infectious Diseases. 61, 4, s. 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, I: B M C 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, I: European Respiratory Journal. 43, 3, s. 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. okt. 2012, I: BMJ. 345, 12 s., 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, I: BMC Health Services Research. 12, 1, 6.

## Aktiviteter

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

Stephanie Bjerrum (Deltager)

maj 2019

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

Stephanie Bjerrum (Underviser)  
2019

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

Stephanie Bjerrum (Underviser)  
2017

**Global Health Action (Tidsskrift)**

Stephanie Bjerrum (Peer reviewer)  
2017 → ...

**International Journal of Infectious Diseases (Tidsskrift)**

Stephanie Bjerrum (Peer reviewer)  
2017 → ...

**Open Forum Infectious Diseases (Tidsskrift)**

Stephanie Bjerrum (Peer reviewer)  
2017 → ...

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

Stephanie Bjerrum (Underviser)  
2017

**BMC Infectious Diseases (Tidsskrift)**

Stephanie Bjerrum (Peer reviewer)  
2015 → ...

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

Stephanie Bjerrum (Underviser)  
2015

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

Stephanie Bjerrum (Underviser)  
2015

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

Stephanie Bjerrum (Underviser)  
2015

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

Stephanie Bjerrum (Underviser)  
2014

**Projekter**

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

Bjerrum, S., Overordnet koordinator, KI, OUH, Forskningsenhed for Infektionsmedicin (Odense)

## **Hepatitis C prevalence and Risk in people with psychiatric disorders**

Systematic Review

Øvrehus, A. L. H., Projektdeltager, KI, OUH, Forskningsenhed for Infektionsmedicin (Odense)

Wentworth, J., PI, Syddansk Universitet

Bjerrum, S., Projektdeltager, KI, OUH, Forskningsenhed for Infektionsmedicin (Odense)

Bækby, M., Projektdeltager, Aarhus Universitetshospital

Hjerrild, S., Projektdeltager, Aarhus Universitetshospital

Christensen, P. B., Projektdeltager, KI, OUH, Forskningsenhed for Infektionsmedicin (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., Overordnet koordinator, KI, OUH, Forskningsenhed for Infektionsmedicin (Odense)

## **Undervisning og vejledning**

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

### **Beskrivelser**

	Co-supervisor for a 3-year PhD-project by MD Kwaku Labi Appiah Korang: Neonatal sepsis. Enrolled at University of Copenhagen/University of Ghana, 2016.
Beskrivelse	Co-supervisor for a 1-year master project by medical student Marius Tving Stauning: Air contamination in operating rooms and surgical site infections in Ghana. Enrolled at University of Copenhagen/University of Ghana, 2017 (Completed)
	The project aims to reduce morbidity, mortality and cost related to Healthcare Associated Infections in Ghana (HAI - Ghana). It is based on an international and multidisciplinary collaboration and includes 4 Ghanaian PhD-students and 3 postdocs. I was instrumental in designing the project and obtain funding.

### **Information**

Periode	01/01/2016 → ...
Fagansvarlig	Bjerrum, S.
Administrerende organisation	KI, OUH, Forskningsenhed for Infektionsmedicin (Odense)

## **HIV-AIDS and the Global Tuberculosis programme**

### **Beskrivelser**

Beskrivelse	Faculty of Health Sciences, University of Copenhagen Denmark, Public Health students, International Health
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### **Information**

Periode	01/01/2017 → ...
Fagansvarlig	Bjerrum, S.
Administrerende organisation	KI, OUH, Forskningsenhed for Infektionsmedicin (Odense)

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

### **Beskrivelser**

Beskrivelse	Co-supervisor for a 3-year PhD-project by MD Johanna Ahrsberg
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**Information**

Periode 01/01/2017 → ...  
Fagansvarlig Bjerrum, S.  
Administrerende organisation KI, OUH, Forskningsenhed for Infektionsmedicin (Odense)

**TB, HIV, and Global Health****Beskrivelser**

Beskrivelse Faculty of Health Sciences, University of Southern Denmark, Medical students 4th year on module K2

**Information**

Periode 03/02/2015 → ...  
Fagansvarlig Bjerrum, S.  
Administrerende organisation KI, OUH, Forskningsenhed for Infektionsmedicin (Odense)

**Tuberculosis****Beskrivelser**

Beskrivelse Faculty of Health Sciences, University of Copenhagen Denmark, Summer school international Health

**Information**

Periode 01/01/2017 → ...  
Fagansvarlig Bjerrum, S.  
Administrerende organisation KI, OUH, Forskningsenhed for Infektionsmedicin (Odense)