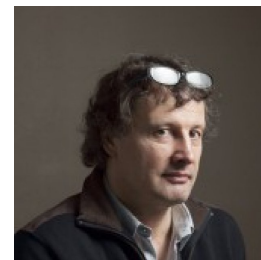


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## Onderzoeksexpertise

Jan Jacobs (°1959) Medical doctor KU Leuven, (Belgium 1984), Clinical Pathologist (Belgium, 1989), Clinical Microbiologist (The Netherlands, 1991), PhD "*Streptococcus milleri*", Maastricht University 1996), certified in Hospital Infection Prevention & Control (KU Leuven 1991).

From 1990 to 2005, I was appointed at the University of Maastricht (Faculty of Health, Medicine and Life Sciences). I was involved in diagnostic microbiology and infection prevention and control (University Hospital Maastricht), teaching (executive and coordinating functions, awards: Best Tutor/Coach (2x), Best Lecturer, Faculty Teaching Award) and research (invasive streptococci and bronchoalveolar lavage microscopy).

Since 2006, I am appointed at the Institute of Tropical Medicine (ITM, Antwerp, Belgium) as Professor in Tropical Laboratory Medicine and since 2014 as a 10% part-time associated professor at the Catholic University of Leuven (KU Leuven, Belgium). At ITM, I am heading the unit of Tropical Bacteriology at the Department of Clinical Sciences. I am involved in patient care (clinical laboratory of the travel clinic, Belgium reference laboratory for *Plasmodium* 2006 - 2016), teaching (Infection Control, Clinical Laboratory) and overseas capacity building projects about microbiological surveillance of invasive bacterial diseases (bloodstream infections) at the level of referral hospital. I am (co)-promoter of ITM capacity building projects in the sub-Saharan Africa, Cambodia and Peru. My research focuses on implementation of clinical bacteriology in tropical low resource settings, addressing field-adapted laboratory techniques, antibiotic resistance and hospital infection prevention and control.

I was technical advisor for the World Health Organization (WHO) Prequalification of Diagnostics Program (test product review, ISO 13485 manufacturing site inspections, 2012 – 2016), Chair of the Procurement and Supply Working Group Diagnostics of the Roll Back Malaria Partnership (2012-14) and member of the WHO Strategic Advisory Group of Experts on In Vitro Diagnostics (SAGE IVD, 2017) contributing to the WHO Essential Diagnostic List. Since 2016, I am expert for the WHO Expert Review Panel for Diagnostics (ERPD).

## Kwalificaties

Getuigschrift

Master

Doctor

## !!Employments

### Tropische Bacteriologie

Instituut voor Tropische Geneeskunde

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1-jan.-2006 → present

## Onderzoeksoutputs

### Affordable blood culture systems from China: *in vitro* evaluation for use in resource-limited settings

Hardy, L., Vermoesen, T., Genbrugge, E., Natale, A., Franquesa, C., Gleeson, B., Ferreyra, C., Dailey, P. & Jacobs, J., 2024, In: EBioMedicine. 101, 9 blz., 105004.

### The barriers and facilitators of implementing a national laboratory-based AMR surveillance system in Cambodia: key informants' perspectives and assessments of microbiology laboratories

Mao, S., Soputhy, C., Lay, S., Jacobs, J., Ku, G. M., Chau, D., Chhea, C. & Ir, P., 21-dec.-2023, In: Frontiers in Public Health. 11, blz. 1332423

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**A genomic appraisal of invasive *Salmonella* Typhimurium and associated antibiotic resistance in sub-saharan Africa**

Van Puyvelde, S., de Block, T., Sridhar, S., Bawn, M., Kingsley, R. A., Ingelbeen, B., Beale, M. A., Barbé, B., Jeon, H. J., Mbuyi-Kalonji, L., Phoba, M-F., Falay, D., Martiny, D., Vandenberg, O., Affolabi, D., Rutanga, J. P., Ceyssens, P-J., Mattheus, W., Cuypers, W. L., van der Sande, M. A. B., & 28 anderenPark, S. E., Kariuki, S., Otieno, K., Lusingu, J. P. A., Mbwana, J. R., Adjei, S., Sarfo, A., Agyei, S. O., Asante, K. P., Otieno, W., Otieno, L., Tahita, M. C., Lompo, P., Hoffman, I. F., Mvalo, T., Msefula, C., Hassan-Hanga, F., Obaro, S., Mackenzie, G., Deborggraeve, S., Feasey, N., Marks, F., MacLennan, C. A., Thomson, N. R., Jacobs, J., Dougan, G., Kariuki, S. & Lunguya, O., 2023, In: Nature Communications. 14, 17 blz., 6392.

**A global genomic analysis of *Salmonella* Concord reveals lineages with high antimicrobial resistance in Ethiopia**

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**Antibiotic use by poultry farmers in Kiambu County, Kenya: exploring practices and drivers of potential overuse**

Kariuki, J. W., Jacobs, J., Ngogang, M. P. & Howland, O., 2023, In: Antimicrobial Resistance and Infection Control. 12, 1, blz. 3 11 blz.

**Challenges of antibiotic formulations and administration in the treatment of bloodstream infections in children under five admitted to Kisantu Hospital, Democratic Republic of Congo**

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**Invasive non-typhoidal *Salmonella* from stool samples of healthy human carriers are genetically similar to blood culture isolates: a report from the Democratic Republic of the Congo**

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**Knowledge, attitude and practice survey of bacterial contamination of blood for transfusion in the Democratic Republic of the Congo**

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**Not recommended fixed-dose antibiotic combinations in low- and middle-income countries - the example of Tanzania**

Vliegenthart-Jongbloed, K. & Jacobs, J., 2023, In: *Antimicrobial Resistance and Infection Control*. 12, 10 blz., 37.

**Phylogenomic investigation of an outbreak of fluoroquinolone-resistant *Salmonella enterica* subsp. *enterica* serovar Paratyphi A in Phnom Penh, Cambodia**

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**Plugging the leaks: antibiotic resistance at human-animal interfaces in low-resource settings**

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**The burden of antimicrobial resistance in the Americas in 2019: a cross-country systematic analysis**

Antimicrobial Resistance Colla, 2023, In: *Lancet Regional Health - Americas*. 25, 16 blz., 100561.

***Escherichia coli* from urine samples of pregnant women as an indicator for antimicrobial resistance in the community: a field study from rural Burkina Faso**

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**Accuracy of C-reactive protein and procalcitonin for diagnosing bacterial infections among subjects with persistent fever in the tropics**

Van Duffel, L., Yansouni, C. P., Jacobs, J., Van Esbroeck, M., Ramadan, K., Buyze, J., Tsoumanis, A., Barbé, B., Boelaert, M., Verdonck, K., Chappuis, F. & Bottieau, E., 2022, In: *Open Forum Infectious Diseases*. 9, 9, blz. ofac434 9 blz., 434.

**Antibiotic use from formal and informal healthcare providers in the Democratic Republic of Congo: a population-based study in two health zones**

Ingelbeen, B., Phanzu, D. M., Phoba, M-F., Budiongo, M. Y., Berhe, N. M., Kamba, F. K., Kalonji, L., Mbangi, B., Hardy, L., Tack, B., Im, J., Heyerdahl, L. W., Da Luz, R. I., Bonten, M. J., Lunguya, O., Jacobs, J., Mbala, P. & van der Sande, M. A. B., 2022, In: Clinical Microbiology and Infection. 28, 9, blz. 1272-1277 6 blz.

**Biphasic versus monophasic manual blood culture bottles for low-resource settings: an *in-vitro* study**

Ombelet, S., Natale, A., Ronat, J-B., Kesteman, T., Vandenberg, O., Jacobs, J. & Hardy, L., 2022, In: Lancet Microbe. 3, 2, blz. e124-e132 9 blz.

**Blood culture surveillance in a secondary care hospital in Benin: epidemiology of bloodstream infection pathogens and antimicrobial resistance**

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**Considerations in evaluating equipment-free blood culture bottles: a short protocol for use in low-resource settings**

Ombelet, S., Natale, A., Ronat, J-B., Vandenberg, O., Jacobs, J. & Hardy, L., 2022, In: PLoS ONE. 17, 4, 14 blz., e0267491.

**Distribution of serotypes and antibiotic resistance of invasive *Pseudomonas aeruginosa* in a multi-country collection**

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**Epidemiological cut-off value and antibiotic susceptibility test methods for azithromycin in a collection of multi-country invasive non-typhoidal *Salmonella***

Tack, B., Phoba, M-F., Thong, P., Lompo, P., Hupko, C., Desmet, S., Martiny, D., Mattheus, W., De La Gandara, M. P., Mbuyi-Kalonji, L., Kuijpers, L., Prevost, B., Barbé, B., Vandenberg, O., Lunguya, O., Ruiz, J., Jacobs, J. & Hardy, L., 2022, In: Clinical Microbiology and Infection. 28, 12, blz. 1615-1623 9 blz.

**Etiological spectrum of persistent fever in the tropics and predictors of ubiquitous infections: a prospective four-country study with pooled analysis**

Bottieau, E., Van Duffel, L., El Safi, S., Koirala, K. D., Khanal, B., Rijal, S., Bhattarai, N. R., Phe, T., Lim, K., Mukendi, D., Kalo, J-R. L., Lutumba, P., Barbé, B., Jacobs, J., Van Esbroeck, M., Foqué, N., Tsoumanis, A., Parola, P., Yansouni, C. P., Boelaert, M., & 2 anderenVerdonck, K. & Chappuis, F., 2022, In: BMC Medicine. 20, 1, blz. 144

**Field experiences with handheld diagnostic devices to triage children under five presenting with severe febrile illness in a district hospital in DR Congo**

Tack, B., Vita, D., Mansosa, I., Mbaki, T. N., Wasolua, N., Luyindula, A., Toelen, J., Lunguya, O. & Jacobs, J., 2022, In: Diagnostics (Basel). 12, 3, 21 blz., 746.

**Genetic and structural variation in the O-antigen of *Salmonella enterica* serovar Typhimurium isolates causing bloodstream infections in the Democratic Republic of the Congo**

Van Puyvelde, S., Gasperini, G., Biggel, M., Phoba, M-F., Raso, M. M., de Block, T., Vanheer, L. N., Deborggraeve, S., Vandenberg, O., Thomson, N., Ravenscroft, N., Maclennan, C. A., Bellich, B., Cescutti, P., Dougan, G., Jacobs, J., Lunguya, O. & Micoli, F., 2022, In: MBio. 13, 4, 15 blz., e0037422.

**Global burden of bacterial antimicrobial resistance in 2019: a systematic analysis**

Antimicrobial Resistance Collabora, 2022, In: Lancet. 399, 10325, blz. 629-655 27 blz.

**Nasopharyngeal colonisation dynamics of bacterial pathogens in patients with fever in rural Burkina Faso: an observational study**

Martens, L., Kaboré, B., Post, A., van der Gaast-de Jongh, C. E., Langereis, J. D., Tinto, H., Jacobs, J., van der Ven, A. J., de Mast, Q. & de Jonge, M. I., 2022, In: BMC Infectious Diseases. 22, 1, blz. 1-10 10 blz., 15.

**Pilot testing of the "turbidimeter", a simple, universal reader intended to complement and enhance bacterial growth detection in manual blood culture systems in low-resource settings**

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**Presence of Gram-negative bacteria and *Staphylococcus aureus* on the skin of blood donors in the Democratic Republic of the Congo**

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Falay, D., Hardy, L., Tanzito, J., Lunguya, O., Bonebe, E., Peeters, M., Mattheus, W., Van Geet, C., Verheyen, E., Akaibe, D., Katuala, P., Ngbondi, D., Weill, F-X., Pardos de la Gandara, M. & Jacobs, J., 2022, In: *PLoS Neglected Tropical Diseases*. 16, 9, 21 blz., e0010740.

**Use of WATCH antibiotics prior to presentation to the hospital in rural Burkina Faso**

Valia, D., Ingelbeen, B., Kaboré, B., Karama, I., Peeters, M., Lompo, P., Vlieghe, E., Post, A., Cox, J., de Mast, Q., Robert, A., van der Sande, M. A. B., Villalobos, H. R., van der Ven, A., Tinto, H. & Jacobs, J., 2022, In: *Antimicrobial Resistance and Infection Control*. 11, 1, 7 blz., 59.

**A comparative evaluation of mobile medical APPS (MMAS) for reading and interpreting malaria rapid diagnostic tests**

Visser, T., Ramachandra, S., Pothin, E., Jacobs, J., Cunningham, J., Menach, A. L., Gatton, M. L., Dos Santos Souza, S., Nelson, S., Rooney, L. & Aidoo, M., 2021, In: *Malaria Journal*. 20, 1, 12 blz., 39.

**Aetiology of acute febrile illness in children in a high malaria transmission area in West Africa**

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**Altered *ex-vivo* cytokine responses in children with asymptomatic *Plasmodium falciparum* infection in Burkina Faso: an additional argument to treat asymptomatic malaria?**

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**Antibiotic use prior to seeking medical care in patients with persistent fever: a cross-sectional study in four low- and middle-income countries**

Ingelbeen, B., Koirala, K. D., Verdonck, K., Barbé, B., Mukendi, D., Thong, P., El Safi, S., Van Duffel, L., Bottieau, E., van der Sande, M., Boelaert, M., Chappuis, F. & Jacobs, J., 2021, In: *Clinical Microbiology and Infection*. 27, 9, blz. 1293-1300 8 blz.

**COVID-19 antibody detecting rapid diagnostic tests show high cross-reactivity when challenged with pre-pandemic malaria, schistosomiasis and dengue samples**

Vanroye, F., Van den Bossche, D., Brosius, I., Tack, B., Esbroeck, M. V. & Jacobs, J., 2021, In: *Diagnostics (Basel)*. 11, 7, 13 blz., 1163.

**Culture media for clinical bacteriology in low- and middle-income countries: challenges, best practices for preparation and recommendations for improved access**

Orekan, J., Barbé, B., Oeng, S., Ronat, J-B., Letchford, J., Jacobs, J., Affolabi, D. & Hardy, L., 2021, In: *Clinical Microbiology and Infection*. 27, 10, blz. 1400-1408 9 blz.

**Direct association between rainfall and non-typhoidal *Salmonella* bloodstream infections in hospital-admitted children in the Democratic Republic of Congo**

Tack, B., Vita, D., Phoba, M-F., Mbuyi-Kalonji, L., Hardy, L., Barbé, B., Jacobs, J., Lunguya, O. & Jacobs, L., 2021, In: *Scientific Reports*. 11, 1, blz. 21617

**Effect of bovine lactoferrin on prevention of late-onset sepsis in infants: a pooled analysis of individual patient data from two randomized controlled trials**

Ochoa, T. J., Loli, S., Mendoza, K., Carcamo, C., Bellomo, S., Cam, L., Castañeda, A., Campos, M., Jacobs, J., Cossey, V. & Zegarra, J., 2021, In: Biochemistry and Cell Biology = Biochimie et Biologie Cellulaire. 99, 1, blz. 14-19 6 blz.

**Evaluation of MicroScan bacterial identification panels for low-resource settings**

Ombelet, S., Natale, A., Ronat, J-B., Vandenberg, O., Hardy, L. & Jacobs, J., 2021, In: Diagnostics. 11, 2, 19 blz., 349.

**High frequency of *Taenia solium* antigen positivity in patients admitted for neurological disorders in the rural hospital of Mosango, Democratic Republic of Congo**

Mukendi, D., Kalo, J-R. L., Lutumba, P., Barbé, B., Jacobs, J., Yansouni, C. P., Gabriël, S., Dorny, P., Chappuis, F., Boelaert, M., Winkler, A. S., Verdonck, K. & Bottieau, E., 2021, In: BMC Infectious Diseases. 21, 1, blz. 359

**Infection Manager System (IMS) as a new hemocytometry-based bacteremia detection tool: a diagnostic accuracy study in a malaria-endemic area of Burkina Faso**

Post, A., Kaboré, B., Bognini, J., Diallo, S., Lompo, P., Kam, B., Herssens, N., van Opzeeland, F., van der Gaast-de Jongh, C. E., Langereis, J. D., de Jonge, M. I., Rahamat-Langendoen, J., Bousema, T., Wertheim, H., Sauerwein, R. W., Tinto, H., Jacobs, J., de Mast, Q. & van der Ven, A. J., 2021, In: PLoS Neglected Tropical Diseases. 15, 3, 20 blz., e0009187.

**Nonautomated blood cultures in a low-resource setting: optimizing the timing of blind subculture**

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**Onchocerciasis prevalence among persons with epilepsy in an onchocerciasis hypo-endemic area in the Democratic Republic of Congo: a cross-sectional study**

Hotterbeekx, A., Verdonck, K., Mukendi, D., Lilo-Kalo, J-R., Lutumba, P., Boelaert, M., Hardy, L., Barbé, B., Jacobs, J., Bottieau, E. & Colebunders, R., 2021, In: Pathogens. 10, 4, 8 blz., 389.

**Performance of automated point-of-care respiratory rate counting versus manual counting in children under five admitted with severe febrile illness to Kisantu Hospital, DR Congo**

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**Triazole-resistance in environmental *Aspergillus fumigatus* in Latin American and African countries**

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**Antibiotic resistance among bacterial pathogens in Central Africa: a review of the published literature between 1955 and 2008**

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**Assessment of the prozone effect in malaria rapid diagnostic tests**

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## Projecten

### **Vacc-INTS: Advancing a GMMA-based vaccine against invasive non-typhoidal salmonellosis through Phase I trial in Europe and sub-Saharan Africa**

Jacobs, J. & Jacobs, J.

European & Developing Countries Clinical Trials Partnership

1/10/19 → 30/09/24

### **Antimicrobial resistance of bacterial pathogens in Peru**

Garcia, C., Jacobs, J., Bruggeman, C. & Samalvides, F.

1/01/09 → 29/01/16

### **Bacterial bloodstream infections in Rwanda: a molecular surveillance study**

Rutanga, J. P., Jacobs, J., Jacobs, J. & Muvunyi, C.

1/04/16 → 19/04/22

### **Bacterial contamination of blood products for transfusion in the Democratic Republic of the Congo: prevalence, risk analysis, prevention**

Jacobs, J., Heroes, A. & Vandekerckhove, P.

24/04/17 → 19/12/23

### **Biomarker Characterization and Assay Development for Rapid Clinical Diagnosis of the Select Biothreat Agents B. pseudomallei, B. mallei, and Y. pestis**

Jacobs, J., Baert, E. & Sy, H.

SRI International

9/11/15 → 15/01/19

### **DRC - FA4: Building capacity for health research in three DRC partner institutions Institut National de Recherche Biomédicale (IRNB), Ecole de Santé Publique de l'Université de Lubumbashi (ESP) en Centre de Recherche Sanitaire de Kimpese (CRS), and rationalize the fight against Human African Trypanosomiasis (HAT) while strengthening local health systems with the support of all partners.**

Boelaert, M., Jacobs, J., Büscher, P., Polman, K., Rigouts, L., Dorny, P., Hardy, L., Corsmit, E., Roucher, C., Eddyani, M., Dermauw, V., Bebronne, N., Snijders, R., Inocêncio da Luz, R., Van Cauwenberg, I. & Everaert, R.

Directorate-General for Development Cooperation and Humanitarian Aid

1/01/17 → 31/12/21

### **Carbapenem resistance in Enterobacteriaceae: diagnostic value of the small RNA landscapes**

Deborggraeve, S., Jacobs, J., Grijalva, M. & De Smet, S.

Research Fund - Flanders

1/01/15 → 31/12/18

### **Carbapenem resistance in Enterobacteriaceae: profiling the small RNA landscapes**

Gonzalez Andrade, P. D., Jacobs, J., Jacobs, J. & Grijalva, M.

1/04/14 → 19/04/22

### **Characterization of antimicrobial resistance among Gram---negative bacteria in Peru: a comprehensive national surveillance**

Krapp Lopez, F. D. C., Jacobs, J. & Garcia, C.

1/12/17 → 15/03/24

### **SIMBLE: Clinical diagnostic trial in Western Africa of a simplified blood culture system to improve healthcare in low-resource settings**

Hardy, L., Jacobs, J. & Hardy, L.

European & Developing Countries Clinical Trials Partnership

1/07/21 → 31/12/24

**Bac Turb: Development and proof-of-concept validation of a low-cost tropicalized device detecting bacterial growth in equipment-free blood cultures**

Hardy, L., Jacobs, J. & Ratsarahery, L.

Institute of Tropical Medicine Antwerp, Flemish Government - Department of Economy, Science & Innovation

1/09/18 → 31/08/19

**Een moderne kijk op klassieke bacteriologie: hoog tijd voor toegespitste kennis over bacteriële groei voor betere diagnoses van bloedbaaninfecties in ontwikkelingslanden**

Jacobs, J., Hardy, L. & Doudouh, A.

Research Fund - Flanders

1/01/20 → 31/12/22

**THECA: Effect of a novel typhoid conjugate vaccine in Africa: a multicenter study in Ghana and the DRC**

Jacobs, J., Hardy, L., Heroes, A. & Jacobs, J.

1/01/19 → 31/12/24

**Effect of lactoferrin on pediatric infections**

Ochoa, T. J., Jacobs, J., Jacobs, J. & Cossey, V.

12/01/17 → 15/05/20

**External quality assessment of the laboratory diagnosis of tropical infectious diseases**

Mukadi Kaningu, P. P., Jacobs, J., Muyembe, J. & Luamba Lua Nsembo, J.

1/01/14 → 26/07/17

**Field implementation and evaluation of novel isothermal, nucleic acid-based diagnostic tools for malaria elimination in sub-Saharan Africa**

Oriero, C. E., D'Alessandro, U., Jacobs, J., Nwakanma, D. & Van Geertruyden, J.

27/06/12 → 23/10/15

**Implementing clinical bacteriology in low resource settings: reviving the old, bringing in the new**

Ombelet, S., Jacobs, J., Cox, J. & Jacobs, J.

12/01/17 → 4/02/22

**IDIS: Innovative Diagnostics for Invasive Salmonellosis**

Deborggraeve, S., Jacobs, J., Ley, B., Gevaert, K., Leclipteux, T., Decuyper, S., De Smet, S., Stas, M. & Deborggraeve, S.

Flemish Government - Department of Economy, Science & Innovation

1/09/13 → 31/12/18

**BENIN - 2018 - FA4: Institutional strengthening of the Mycobacteria Reference Laboratory (LRM, Bénin) for quality services and better quality of health care for Mycobacteria and other clinical bacteria, at National and Regional Level.**

de Jong, B., Jacobs, J., Hardy, L., Stassijns, J., Nduwamahoro, E., Eddyani, M., Gumusboga, M. & Janssens, N.

Directorate-General for Development Cooperation and Humanitarian Aid

1/01/18 → 31/12/18

**ILIAS: Invasive Lineages of AMR Salmonella, Trojan Horses in Africa**

Van Puyvelde, S., Deborggraeve, S., Jacobs, J., Dougan, G. & Stas, M.

Institute of Tropical Medicine Antwerp

1/10/18 → 31/12/19

**Invasive salmonellosis in the Democratic Republic of the Congo**

Mbuyi Kalonji, L., Jacobs, J. & Muyembe, J.

1/09/15 → ...

**Methods for Detection and Identification of Bacterial Species in Blood Cultures based on Optical Turbidimetry and AI for use in Limited-Resource Settings**

Cornelis, J., Jacobs, J., Hardy, L. & Li, Y.  
12/12/23 → ...

**Microbiologic aspects of childhood bacterial meningitis in the Democratic Republic of the Congo**

Phoba, M. N., Jacobs, J., Van Geet, C. & Muyembe, J.  
1/12/10 → 4/12/19

**Minilab MSF-F Autoclave1**

Jacobs, J. & Baert, E.  
MSF France  
1/01/18 → 31/12/18

**MINIlab project MSF-F**

Jacobs, J. & Baert, E.  
MSF France  
1/03/18 → 31/12/20

**CAMBODIA - 2018 - FA4: National Institutes in Cambodia have increased capacity to generate evidence for the management of health problems and for the strengthening of the health system in Cambodia.**

Lynen, L., Jacobs, J., De Baetselier, I., De Weggheleire, A., Smekens, B., Stassijns, J., Van Damme, W., van de Put, W., Delvaux, T. & Ratsarahery, L.  
Directorate-General for Development Cooperation and Humanitarian Aid  
1/01/18 → 31/12/18

**Bact-EVD: Pilot clinical bacteriology in the EVD care response to detect intercurrent bloodstream infections and inform about appropriate antibiotic treatment**

Jacobs, J. & Janssens, S.  
Dioraphte Foundation  
1/08/19 → 30/06/20

**HAT-PolyB VL: Polyclonal B-cell activation in human African trypanosomiasis (HAT): impact on acquired immunity and on rapid diagnostic tests.**

Büscher, P., van Griensven, J., Boelaert, M., Lejon, V., Jacobs, J., Kestens, L., Fransen, C., Bottieau, E., OKENGE, A., Atua, B., MUMBA, D., Muyembe, J., MABIALA, M., Lutumba, P. & Kande, V.  
1/09/09 → 31/12/12

**Post-market surveillance as a tool for assuring quality of in-vitro diagnostics in low-resource settings**

Sands, A., Jacobs, J., Fransen, C. & Jacobs, J.  
12/01/17 → 30/04/18

**Salmonella Paratyphi A: The emergence of a neglected pathogen in Asia**

KUIJPERS, L. M. F., Jacobs, J. & Jacobs, J.  
22/01/15 → 11/01/19

**Selected topics in hospital infection prevention and control in sub-Saharan Africa**

Kalema Yanga, J., Jacobs, J. & Lunguya, O.  
1/01/21 → 31/12/24

**SETA: Severe Typhoid in Africa Program (DRC site)**

Marks, F., Jacobs, J. & Ratsarahery, L.  
International Vaccine Institut  
1/04/17 → 30/06/19

**NIDIAG : Syndromic approach to neglected infectious diseases (NID) at primary health care level : an international collaboration on integrated diagnosis-treatment platforms**

Boelaert, M., Büscher, P., Jacobs, J., Ravinetto, R., Polman, K., Bottieau, E., Verdonck, T., Barbé, B., van Griensven, J., Hendrickx, D., van Loen, H., Buyze, J., Meheus, F., Paessens, E. & Everaert, R.

European Commission

1/11/10 → 30/04/16

**Systeembioologische analyse van niche adaptatie bij resistente en virulente Salmonella pathogenen**

Cuypers, W., Jacobs, J., Laukens, K. & Van Puyvelde, S.

26/04/18 → 23/06/23

**The Hospital as a reservoir of antibiotic resistance in low resource settings**

Lompo, P., Jacobs, J. & Tinto, H.

1/10/17 → 15/12/23

**ETHIOPIA - 2018 - FA4: To enhance the research capacity and evidence based medical practice in tropical and poverty related diseases in Ethiopia**

van Griensven, J., Jacobs, J., Abdellati, S., Stassijns, J., van Henten, S., Ratsarahery, L., Dujardin, J. & Van der Auwera, G.

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1/01/18 → 31/12/18

**PERU - FA4: To strengthen the R&D capacities of the Institute of Tropical Medicine Alexander von Humboldt (Peru) to deliver strategies and/or tools for diagnosis, surveillance and control of infectious diseases.**

Dujardin, J., Van der Auwera, G., Rosanas-Urgell, A., de Jong, B., Ariën, K., Rigouts, L., Heyndrickx, L., Kattenberg, E., Battaglioli, T. C. E., Jacobs, J., Monsieus, P., Guetens, P. & Müller, R.

Directorate-General for Development Cooperation and Humanitarian Aid

1/11/17 → 31/12/21

**BURKINA - 2019 - FA4: To strengthen the research capacity in the resource limited setting of Burkina Faso.**

Jacobs, J., Rosanas-Urgell, A., Hardy, L., Peeters, M., Kattenberg, E. & Ratsarahery, L.

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**BURKINA - FA4: To strengthen the research capacity in the resource limited setting of Burkina Faso.**

Jacobs, J., Rosanas-Urgell, A., Hardy, L., Peeters, M., Kattenberg, E. & Ratsarahery, L.

Directorate-General for Development Cooperation and Humanitarian Aid

1/01/17 → 31/12/21

**Understanding antimicrobials use: An ethnographic study of rural communities in Burkina Faso**

Compaore, A., Peeters, K., Jacobs, J., Sariola, S. & Tinto, H.

1/01/20 → ...

**FA5 BURKINA: Verbetering van de onderzoekscapaciteit inzake infectieziekten met het oog op beleids- en controlestrategieën**

Rosanas-Urgell, A., Jacobs, J., Peeters, K., Vuylsteke, B., Mutsaers, M., Eddyani, M., Hyland, P. & Rosanas-Urgell, A.

Directorate-General for Development Cooperation and Humanitarian Aid

1/01/22 → 31/12/26

**Voorspelling en behandeling van invasieve non-typhi Salmonella infecties bij kinderen in sub-Saharisch Afrika**

Tack, B., Jacobs, J., Toelen, J. & Lunguya, O.

17/04/20 → 20/12/23