

## Personal details

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Name	Suttels
First name	Véronique
Date of birth	11/08/1987
Place of birth	Ghent, Belgium
Nationality	Belgian
Civil state	married, 2 children
Mobile phone	+47 (0)79 436 19 35
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## Education & degrees

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11/09/2024	Swiss Board Examination in Infectious Diseases- To attain the title as Specialist in Infectious Diseases, Swiss Society of Infectious Diseases, Bern, Switzerland
29/09/2022	Medical Doctorate (MD), Lausanne University, Switzerland
29/06/2022	Clinical Decision-Making for Drug-Resistant Tuberculosis (DR TB) (short course, 6 ECTS credits), Institute of Tropical Medicine, Antwerp, Belgium
25/06/2020	Swiss Board Examination in General Internal Medicine- To attain the title as Specialist in General Internal Medicine, Swiss Society of General Internal Medicine, Bern, Switzerland
13/03/2014	Postgraduate Certificate in Tropical Medicine & International Health Institute of Tropical Medicine (ITM), Antwerp, Belgium
18/12/2013	Antimicrobial Stewardship Optimization of Antibiotic Practices- online course, Division of Infectious Diseases, Department of Medicine, Stanford University School of Medicine, USA
27/06/2012	Master of Medicine, Magna cum laude, Ghent University, Belgium
18/06/2012	Permanent training program- sports medicine, Ghent University, Belgium

## Ongoing education

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07/08/2022 – 04/04/2025	PhD in life sciences, Lausanne University, Switzerland/ Yale Global Health, New Haven, USA. Title: <b>Triage ultrasound in tuberculosis endemic regions: diagnostic performance, scalability, and perspectives.</b>
01/11/2018- ongoing	Specialist in infectiology, Swiss Society of Infectiology, Bern, Switzerland. FMH title submitted January 2025

## Professional experience

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01/11/2025- ongoing	CHUV Department Of Infectious Diseases, Lausanne, Switzerland Junior Attending Physician, Directed By Prof. Daniel Kaufmann
01/07/2021- 31/10/2024	CHUV Department Of Infectious Diseases, Lausanne, Switzerland Fellow, Directed By Prof. Daniel Kaufmann
01/11/2018-31/10/2020	CHUV, Lausanne, Switzerland Fellow, Department Of Infectious Diseases Directed By Prof Thierry Calandra
01/09/2016-31/10/2018	Hôpital Neuchatelois, La Chaux-De-Fonds, Switzerland, Resident Physician, Internal Medicine, Directed By Prof. Hervé Zender
01/09/2015- 27/12/2015	Antwerp University Hospital, Uza, Belgium Resident Physician, Department Of Tropical Medicine And Infectious Diseases Directed By Prof. Erika Vlieghe
24/09/2014- 17/08/2015	Clinique Saint-Luc, Tuléar, Madagascar Volutuntary Physician
11/03/2014-31/07/2014	Antwerp University Hospital, Uza, Belgium Resident Physician, Department Of Tropical Medicine And Infectious Diseases Directed By Prof Jef Van Den Ende.

01/09/2012- 31/08/2013

General Hospital Az Nikolaas, Sint-Niklaas, Belgium

Resident Physician Internal Medicine, Directed By Dr. Johan De Meester

## Research & grants

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### Invitation to grant agreement received on 17/12/2024:

#### Horizon Europe EDCTP3; Call: HORIZON-JU-GH-EDCTP3-2024-01-two-stage

Project on “CAD LUS4TB- Computer assisted diagnosis with lung ultrasound for community based pulmonary tuberculosis triage in Benin, Mali and South-Africa” in cooperation with Grant Theron (Stellenbosch University), Klaus Reither (Swiss TPH), Tom Decroo (Antwerp ITM), Prudence Wachinou (CNHUPPC), Khadidia Ouattara (Bamako Point G), Moustapha Cisse (Google Africa), Mary-Anne Hartley (EPFL intelligent global health), Noémie Boillat Blanco (University Hospital of Lausanne)

Role: PI

Amount: 6'841'504.00 EUR + SERI budget requested +/- 3'000'000 CHF for the Swiss partners.

Evaluation score of the proposal: 14/15

### 2020-2024

Point-of-care ultrasound for the diagnosis and risk stratification of lower respiratory tract infections in TB endemic regions: a multicenter prospective cohort study

Status: recruiting (current n=750)

ClinicalTrials.gov identifier: NCT05423847

Role: PI Benin site

Sponsors: Swiss Lung Association, Amount 149'950 CHF; CHUV Humanitarian Foundation, Amount 30'000 CHF;

## Awards

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Livio Glauser prize 2023, Amount 10.000 CHF

Award for Best Oral Presentation, European Society of Mycobacteriology, Bruges conference, June 24, 2024

## Scientific meetings (most recent)

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Invited speaker – Gates Foundation summit on AI-boosted ultrasound for global health, March 21-22, Singapore; CAD LUS4TB roll out and target product profiles

Oral presentation – Webinar diagnostic de la Société Africaine de Pneumologie de Langue Française, March 26, 2025; Quel place pour l'échographie pulmonaire dans le diagnostic de la tuberculose?

Oral presentation – TB Symposium Swiss Lung Association and CHUV, September 13, 2024; Expert- and computer-assisted point-of-care lung ultrasound for the detection of TB

Oral presentation – European Society of Mycobacteriology, Bruges conference, June 24, 2024; Expert- and computer-assisted point-of-care lung ultrasound for the detection of TB

Oral presentation – Translational TB forum, December 2023, Bern; Point-of-care thoracic ultrasound for the detection of pulmonary TB: a second interim analysis of a prospective cohort in Benin

Oral presentation plenary session – 47<sup>th</sup> annual scientific meeting of the West-African college of physicians, October 2023, Lome Togo; Point-of-care ultrasound: a promising tool to improve access to medical imaging in developing countries

Oral presentation – TB symposium Swiss Pulmonary League, Bern June 2023; Point-of-care thoracic ultrasound for the detection of pulmonary TB: a second interim analysis of a prospective cohort in Benin

Oral presentation – The UNION world conference on lung health, November 2022 - Point-of-care thoracic ultrasound for the detection of pulmonary TB: intermediate analysis of a prospective cohort in Benin

### Invited chair

Chair "Developments in TB imaging" - The UNION world conference on lung health, November 2022

Chair "TB diagnostics" and "TB imaging studies" - The UNION world conference on lung health, November 2023

### **Supervision of masters**

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Antibiotic consumption and prescription for respiratory tract infections in Cotonou, Benin (Tutor, Ginette Makpemikpa, University of Abomey, Benin, 2023-2024)

Quality assurance development of a lung ultrasonography course in Bénin (Tutor, Inès Chichignoud, Lausanne University 2021-ongoing)

Barriers and facilitators to implementation of point of care lung ultrasonography in a tertiary center in Benin a qualitative study among general physicians and pneumologists (Tutor, Sofia Guedes Da Costa, Lausanne University 2021-2022)

Use of point-of-care ultrasonography for tuberculosis screening in pediatric household contacts: a pilot study in Benin (Tutor, Orphé Goudjanou, University of Abomey, Benin, 2022-2023)

Use of point-of-care lung ultrasonography for pediatric patients presenting to the ED with an acute respiratory syndrome: a pilot study in Benin  
(Tutor, Maessarath Rafiou, University of Abomey, Benin, 2022-2023)

### **Teaching activities**

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Monthly postgraduate teaching to fellows in infectious diseases and internal medicine and general practitioners

Set-up and development of training in respiratory point-of-care ultrasonography in sub-saharan Africa, RuralUS program since 2021 (Bénin in Sept 2021, Feb 2022, Dec 2022, South Africa in March 2022, Mali in Jan 2023)

### **Technical advisory**

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Point-of-care ultrasound expert group- Centre National Hospitalier Universitaire de Pneumo-phthisiologie, Cotonou, Benin 2021-ongoing

### **Publications**

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ORCID ID 0000-0002-5267-0439

Number of scientific articles in peer-reviewed journals: 16 (of which 9 as first author)

Number of articles in non-peer-reviewed Journals: 1

### **Peer-reviewed articles**

**Suttels V**, Brokowski T, Wachinou PA, Wolleb J, Hada AR, Du Toit JD, Fiogbé AA, Guendehou B, Alovokpinhou F, Makpemikpa G, Bessat C, Roux A, Garcia E, Brahier T, Opota O, Doenz J, Vignoud J, Agodokpessi G, Affolabi D, Hartley MA, Boillat-Blanco N. Lung Ultrasound for the Detection of Pulmonary Tuberculosis Using Expert and AI-Guided Interpretation. *Lancet Preprint* available at [https://papers.ssrn.com/sol3/papers.cfm?abstract\\_id=5174193](https://papers.ssrn.com/sol3/papers.cfm?abstract_id=5174193).

Chen Z, Romanou A, Bonnet A, Hernández-Cano A, AlKhamissi B, Matoba K, Salvi F, Pagliardini M, Fan S, Köpf A, Mohtashami A, Sallinen A, Swamy V, Sakhaeirad A, Krawczuk I, Bayazit D, Marmet A, Mi L, Boillat-Blanco N, Keitel K, Elkin J, Robert B, Montariol S, Hartley M-A, Jaggi M, Bosselut A. and **the Meditron Clinical Evaluation Group including Suttels V**. MEDITRON: Open Medical Foundation Models Adapted for Clinical Practice. Preprint available

from [https://assets-eu.researchsquare.com/files/rs-4139743/v1\\_covered\\_f00e0fef-d14b-4daa-8ce4-59445c289734.pdf?c=1712599387](https://assets-eu.researchsquare.com/files/rs-4139743/v1_covered_f00e0fef-d14b-4daa-8ce4-59445c289734.pdf?c=1712599387).

**Suttels V**, Chichignoud I, Garcia E, Brahier T, Hartley MA, Agodokpessi G, Wachinou P, Mans PA, Du Toit JD, Boillat-Blanco N. Web-based objective and structured assessment of point-of-care lung ultrasound skills in resource-limited settings. *BMC Medical Education* 2024, 939; 24.

**Suttels V**, Guedes Da Costa S, Garcia E, Brahier T, Hartley MA, Agodokpessi G, Wachinou P, Fasseur F and Boillat-Blanco N. Barriers and facilitators to implementation of point-of-care lung ultrasonography in a tertiary center in Benin: a qualitative study among general physicians and pneumologists., *BMJ open* 2023;13

Beye SA, Diallo B, Keita M, Cissoko Y, Ouattara K, Dicko H, Shabani M, Sidibé A, Berthé M, Coulibaly YI, Diani N, Keita M, Toloba Y, Dao S, **Suttels V**, Coulibaly Y, Mekontso Dessap A. Assessment of lung injury severity using ultrasound in critically ill COVID-19 patients in resource limited settings. *Ann Intensive Care*. 2023 Apr 27;13(1):33

**Suttels V**, Van Singer, M, Clack, L C. Plüss-Suard, C, Niquille, A, Mueller, Y, Boillat Blanco, N. Factors Influencing the Implementation of Antimicrobial Stewardship in Primary Care A Narrative Review. *Antibiotics* 2023, 72, 30.

Mercier T, Desfontaine V, Cruchon S, Da Silva Pereira Clara JA, Briki M, Mazza-Stalder J, Kajkus A, Burger P, **Suttels V**, Buclin T, Opota O, Koehler N, Sanchez Carballo PM, Lange C. André P, Decosterd LA, Choong E, A battery of tandem mass spectrometry assays with stable isotope-dilution for the quantification of 75 anti-tuberculosis drugs and two metabolites in patients with susceptible-, multidrug-resistant- and extensively drug-resistant tuberculosis, *J. Chromatogr. B Biomed. Appl* 2022, 7277

COVID-19 Host Genetics Initiative. A first update on mapping the human genetic architecture of COVID-19 *Nature*. 2022, 608(7927) E7-E70.

**Suttels V**, Du Toit JD, Fiogbé AA, Wachinou AP, Guendehou B, Alovokpinhou F, Toukoui P, Hada AR, Sefou F, Vinasse P, Makpemikpa G, Capo-Chichi D, Garcia E, Brahier T, Keitel K, Ouattara K, Cissoko Y, Beye SA, Mans P, Agodokpessi G, Boillat-Blanco N, Hartley MA Point-of-Care Ultrasound for Tuberculosis Management in Sub-Saharan Africa-A Balanced SWOT Analysis *Int J Infect Dis*. 2022 57207-9772(22)00398-8.

**Suttels V**, Wachinou P, Toit JD, Boillat-Blanco N, Hartley MA Ultrasound for point-of-care sputum-free tuberculosis detection: Building collaborative standardized image-banks. *EBioMedicine*. 2022 29;87

**Suttels V**, André P, Thoma Y, et al. Therapeutic drug monitoring of cefepime in a non-critically ill population retrospective assessment and potential role for model-based dosing. *JAC Antimicrob Resist*. 2022 4(2)

Desgranges F, Tadini E, Munting A, Regina J, Filippidis P, Via la B, Karachalias E, **Suttels V**, Haefliger D, Kampouri E, Van Singer M, Tschopp J, Rochat Stettler L, Schaad S, Brahier T, Hugli O, Mueller Y, Gouveia A, Opota O, Carron PN, Guery B, Papadimitriou-Olivgeris M, Boillat-Blanco N, the RegCOVID Research Group. Post-COVID-19 Syndrome in Outpatients: a Cohort Study. *J Gen Intern Med*. 2022 37(8):7943-7952.

WHO Solidarity Trial Consortium, Repurposed Antiviral Drugs for Covid-19- Interim WHO Solidarity Trial Results. *N Engl J Med*. 2022 77;384(6)497-571

Mahlouly J, Lhopitallier L, **Suttels V**, Mueller L, Wernly D, Borens O, Steinmetz S Septic arthritis of the shoulder due to *Ureaplasma urealyticum* after emergency caesarean section a case report *BMC Infect Dis*. 2020 77;20(7)767

**Suttels V**, Lenaerts T

"Epidemiology and spatial exploratory analysis of leprosy in the district of Tolia ra, Madagascar" *Leprosy Review* 2076, 87 305-373

**Suttels V**, Florence E, Leys J, Vekemans M, Van Den Ende J, Kenyon C

"A 68-year-old male presenting with rhabdomyolysis-associated acute kidney injury following concomitant use of elvitegravir/cobicistat/emtricitabine/tenofovir disoproxil fumarate and pravastatin-fenofibrate: a case report"  
Journal of Medical Case Reports 2015, 9:790

#### **Non-peer-reviewed articles**

Opsomer D, **Suttels V**, De Keyser K, Spanoghe G, Goeteyn V, Deprez S, Lamot C, Lybaert W Pancreatic disease, Panniculitis and Polyarthritits (PPP) Syndrome a case report and review of the literature. Belg J Med Oncol 2017;57:54-58

#### **Book chapters**

Une prescription judicieuse des antibiotiques en cas d'infection respiratoire basse par **Suttels V**, Boillat-Blanco N, Kabamba L, Muyumba E, Luboya O  
Manuel de Médecine Respiratoire DRC 2023