

Sebastian Sitaru



Curriculum vitae

General Information

Surname: **Sitaru**
Forename: **Sebastian**
Academic degrees: Dr. med.
Date of birth: August 11, 1995
Place of birth: Cluj-Napoca, Romania
Nationality: Romanian and German

Contact information

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Education

2013 - 2020 Medical studies in Freiburg (DE), Munich (DE), Bern (CH) and Chapel Hill (NC, USA)
06/2020 Medical license examination (Approbation)
2017 - 2021 Work on doctoral thesis: "Role of neutrophils in inflammation", Walter Brendel Center for Experimental Medicine, Ludwig-Maximilians-Universität Munich (Supervisor: Prof. Dr. med. Markus Sperandio, academic degree Dr. med.)
2018 Research fellowship of the Collaborative Research Center 914 (CRC914) "Trafficking of Immune Cells in Inflammation, Development and Disease" of the German Research Foundation (DFG)
2020 - Postdoc in the research group "Public Health and Digital Medicine" at the School of Medicine, Technical University Munich (group leader: Prof. Dr. Dr. med. Alexander Zink)
2022 Research fellowship of the Technical University Munich (Clinician scientist program)
2024 - Computer Science (B.Sc.) studies at IU International University of Applied Sciences, Germany

Work Experience

2013 Internship at Meona GmbH, Freiburg (now Mesalvo GmbH)
2014 - 2015 Research assistant at the German Register for Clinical Trials (DRKS), Freiburg, Germany
2016 Research assistant for clinical trials at 3rd Medical Department, TUM University Hospital, Munich, Germany
2016 - 2018 Web Programmer at SD Con GmbH, Kaufbeuren, Germany
2020 - Resident physician at the Department of Dermatology and Allergy, TUM University Hospital, Munich, Germany (head: Prof. Dr. med. Tilo Biedermann)
2024 - AI & Digital Medicine consultant and developer (self-employed)

Digital skills

Programming languages and frameworks

HTML/CSS	●●●●●	Python	●●●●●
JavaScript	●●●●●	PHP/Perl	●●●○○
Java	●●●○○	C/C++	●●○○○

Artificial Intelligence and Machine Learning

TensorFlow	●●●○○	PyTorch	●●○○○
HuggingFace	●●●○○		

Statistics, visualization and data manipulation

R	●●●●○	GraphPad	●●●○○
Python (Pandas)	●●●●○		

Hardware

Servicing PC hardware	●●●●●	Arduino, ESP32	●●○○○
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Text processing

LibreOffice, Word	●●●●●	LaTeX	●●●●○
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Operating system administration

Linux	●●●●●	Mac OS	●●●●○
Windows	●●●●○		

Foreign Languages

English: Proficient English skills (fluent in spoken and written), which were acquired in school classes and which were consolidated during several language camps and stays abroad in Bournemouth (UK, 2008), Sylvania (Georgia, USA, 2011) and Chapel Hill (North Carolina, USA, 2020). TOEFL score: 115/120 (09/2018).

French: Good French skills (fluent in spoken and written), which were acquired in school classes and consolidated during two language camps (Biarritz and Nice, France) and one medical internship in Nice. European Level: B1

Spanish: Good Spanish skills, which were acquired through private and university Spanish lessons; European Level: B1

Selected Publications

- Haefliger S, **Sitaru S**, Gazzaniga S, Rammlmair A, Feldmeyer L, Borradori L. *Diagnostic performance of direct immunofluorescence microscopy studies by biopsy sites in autoimmune subepidermal blistering dermatoses: a prospective study*. British Journal of Dermatology 183, no. 5 (2020): 970-972. doi: [10.1111/bjd.19305](https://doi.org/10.1111/bjd.19305)
- **Sitaru S**, Kaczmarczyk R, Erdmann M, Biedermann T, Zink A. *3D whole body scans in dermatology - a new era in clinical practice and research?* Der Hautarzt, 1-4 (2022). doi: [10.1007/s00105-022-04966-x](https://doi.org/10.1007/s00105-022-04966-x)

- **Sitaru S**, Tizek L, Buters J, Ekeboom A, Wallin JE, Zink A. *Assessing the national burden of allergic asthma by web-search data, pollen counts, and drug prescriptions in Germany and Sweden.* World Allergy Organ J. 2023 Feb 23;16(2):100752. doi: [10.1016/j.waojou.2023.100752](https://doi.org/10.1016/j.waojou.2023.100752).
- **Sitaru S**, Bramm G, Zink A, Hiller M. *Cybersecurity in digital healthcare-challenges and potential solutions.* Dermatologie (Heidelb). 2023 Mar;74(3):213-217. English. doi: [10.1007/s00105-023-05117-6](https://doi.org/10.1007/s00105-023-05117-6)
- **Sitaru S**, Posch C. *What makes dermatological images go viral? A social media analysis.* J Eur Acad Dermatol Venereol. 2023 Mar 27. doi: [10.1111/jdv.19072](https://doi.org/10.1111/jdv.19072)
- **Sitaru S**, Oueslati T, Schielein MC, Weis J, Kaczmarczyk R, Rueckert D, Biedermann T, Zink A. *Automatic body part identification in real-world clinical dermatological images using machine learning.* J Dtsch Dermatol Ges. 2023 Aug;21(8):863-869. doi: [10.1111/ddg.15113](https://doi.org/10.1111/ddg.15113)
- **Sitaru S**, Budke A, Bertini R, Sperandio M. *Therapeutic inhibition of CXCR1/2: where do we stand?* Intern Emerg Med. 2023 Sep;18(6):1647-1664. doi: [10.1007/s11739-023-03309-5](https://doi.org/10.1007/s11739-023-03309-5)
- **Sitaru S**, Wecker H, Buters J, Biedermann T, Zink A. *Social media to monitor prevalent diseases: Hay fever and Twitter activity in Germany.* Allergy. 2023 Oct;78(10):2777-2780. doi: [10.1111/all.15787](https://doi.org/10.1111/all.15787)
- Köberle M, Zink A, Biedermann T, **Sitaru S**. *Next generation mycological diagnosis: Artificial intelligence-based classifier of the presence of Malassezia yeasts in tape strip samples.* Mycoses. 2024; 67:e13777. doi: [10.1111/myc.13777](https://doi.org/10.1111/myc.13777)

München, September 25, 2024

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