
Dr. rer. nat. SANDY SCHMIDT

s.schmidt@rug.nl

CURRENT POSITION

Tenure-track Assistant Professor (Rosalind Franklin Fellow), Department of Chemical and Pharmaceutical Biology, Groningen Research Institute of Pharmacy Institute, University of Groningen, NL

EDUCATION

- 2015 **PhD** in Biocatalysis (*summa cum laude*, with distinction)
University of Greifswald, Institute of Biochemistry, Germany
- 2012 **Diploma in Biochemistry** (Diplom Biochemikerin, equiv. M. Sc.)
University of Greifswald, Institute of Biochemistry, Germany

PAST POSITIONS

- Feb 2017 – **Group Leader**
Mar 2020 Graz University of Technology, Austria
- Dec 2015 – **Postdoctoral Researcher**
Jan 2017 Delft University of Technology, The Netherlands

HONORS AND AWARDS

- 2022 **International Biocat Award**, category 'Academic Research'
- 2020 Rosalind Franklin Fellowship (awarded competitively)
- 2018 & 2015 **Awards for best poster** at the internationally renowned Gordon Research Conference on Biocatalysis (2018, USA) and the 12th Biotrans Research Conference (2015, Austria)
- 2018 **Max Buchner Research Fellowship** from the Max Buchner Research Foundation – Dechema (Germany)
- 2015 **German Academic Exchange Service fellowship** and **fellowships** from the **Gesellschaft Deutscher Chemiker** and the **promotion program for women** (University of Greifswald, Germany) for international conference participation

THIRD-PARTY FUNDED PROJECTS

- Netherlands Organization of Scientific Research VIDI grant (VI.Vidi.213.025), 800,000 €
- Netherlands Organization of Scientific Research ENW-XS grant (OCENW.XS22.1.044), 50,000 €
- Coordinator of Horizon-MSCA Doctoral Network BiodeCCodiNNG (GA no. 101073065), total 2.6 M€ (548 k€ awarded to my group)
- Coordinator of MSCA-ITN-EJD ConCO₂rde (GA no. 955740), total 2.9 M€ (531 k€ awarded to my group)
- Principal Investigator in MSCA-ITN-EJD PhotoBioCat (GA no. 764920), 255 k€ awarded to my group)
- Initial funding, Graz University of Technology, 6,000 € (2019)
- Initial funding, Graz University of Technology, 6,000 € (2018)

ACTIVITIES WITHIN THE SCIENTIFIC COMMUNITY

Conference organization

- Since 2021 Co-chair and co-organizer of annual '**NextGenBiocat - An International Young Investigator Symposium**', two-day conference to promote early-career researchers, organized online in 2021 (192 participants), and on-site in Delft (NL) in spring 2022 (approx. 60-80 participants)
- Since 2021 Co-chair and co-organizer of the '**Amine Biocatalysis 5.0**' conference, three-day conference for established and emerging researchers to share research on biocatalytic amine synthesis, on-site in Groningen (NL) in autumn 2022 (approx. 100 participants)
- 2018 **BiotechCareers - Gender equality in a fast moving industry**. In 2018, I co-initiated and organized a yearly event series on career challenges and opportunities for women in academia. The invited

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female Professors gave talks about their research, followed by a panel discussion with students and researchers as audience.

Selection of conference proceedings

2022	Institute of Organic Chemistry's Biocatalysis Symposium, Aachen, Germany, invited oral presentation
2022	10th International Congress on Biocatalysis, Hamburg, Germany, invited oral presentation
2022	3rd ComBioCat Symposium 2022, Rostock, Germany, invited oral presentation
2020	Dutch Biocatalysis Symposium 2020, online, Invited oral presentation
2019	Japan-Germany-Switzerland Workshop for Enzyme Technology and Bioprocess Development, Toyama, Japan, Oral presentation
2018	Gordon Research Conference on Biocatalysis, Biddeford, USA, Poster award with selected oral presentation
2018	8th CeBiTec Research Conference / BIOCASCADES Symposium, Bielefeld, Germany, Oral presentation
2016	Symposium on Biotechnology 2016, Delft, The Netherlands, Invited oral presentation
2016	Biocat Research Conference 2016, Hamburg, Germany, Oral presentation

Additional / special teaching activities

2020	Lecturer in Advanced course on biocatalysis and protein engineering, BioTech Delft
2017	Guest lecturer at TU Delft
2016	Independent conception and lecturer of a bioinformatics course for PhD students
2016	Tutor in Advanced course on biocatalysis and protein engineering, BioTech Delft

Reviewer for Journals and Funding Organizations

- Reviewer for scientific journals e.g. Nature, Science, Angewandte Chemie, ACS Catalysis, ChemCatchem, ChemBioChem etc.
- External grant reviewer at EURONORM

Editorial activity

- Editorial Board member of the RÖMPP, since 2021
- Associate Editor for [Frontiers in Catalysis](#) (Biocatalysis section), since 2020
- Guest Editor for the ChemBioChem/ChemCatChem [Special Issue "PhotoBioCat"](#), 2021
- Guest Editor for the ChemBioChem Special Issue ["NextGenBiocat"](#), 2021
- Guest Editor for the Catalysts [Special Issue "Biocatalytic Cascade Reactions"](#), 2021
- Topic Editor for the Frontiers in Catalysis [Research Topic "Illuminating Biocatalysis: Using the Power of Light to drive or regulate Enzymatic Reactions"](#), 2021
- Editor of the Book ["The autotrophic biorefinery: Organisms and enabling technologies"](#) (together with Prof. Robert Kourist), Publisher: DeGruyter, 2021

Institutional responsibilities

Since 2021	Member of Supervisor Advisory Board of the Graduate School of Science and Engineering, University of Groningen (NL)
Since 2021	Member of 'Van Meenen middelen' committee, University of Groningen (NL)
Since 2020	Member of PhD examining committees at University of Groningen (NL), and external examiner for a PhD degree at University of L'Aquila (Italy) and TU Delft (NL)
2017 - 2020	Member of the Molecular and Technical Biosciences academic committee, Graz University of Technology (Austria)

Memberships & Scientific Societies

Since 2021	Royal Netherlands Chemical Society (Koninklijke Nederlandse Chemische Vereniging, NL)
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Since 2020 Dutch Biotechnology Association (Nederlandse Biotechnologie Vereniging, NL)
Since 2014 German Chemical Society (Gesellschaft Deutscher Chemiker e. V., Germany)
Since 2017 German Society for Chemical Engineering and Biotechnology (Gesellschaft für Chemische Technik und Biotechnologie e.V., Germany)

PUBLICATIONS SUMMARY

OUTPUT	NUMBER
peer-reviewed publications	32
first author	5
corresponding author	6
citations in total, citations of top cited publication	1641 (nov 2022)
h-index	including self-citations: 22; excluding: 20
non peer-reviewed publications (e.g. news type)	4
book chapters, edited books	5, 1
patent applications	1
invited (and applied) lectures	7 (3)
total number of student supervision	22 (8 PhD theses (all ongoing); 8 MSc theses (2 ongoing), 6 BSc theses)

FOR FULL LIST OF PUBLICATIONS PLEASE SEE:

[ORCID: 0000-0002-8443-8805](https://orcid.org/0000-0002-8443-8805)

Researcher-ID: C-8414-2016