

Eduard J Kerkhoven

Personal information

Date of birth: 20 February 1985
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Education

2013 *PhD in Infection & Immunity* – University of Glasgow, UK
2008 *MSc in Biomolecular Sciences – Systems Biology* - VU University Amsterdam, the Netherlands
2006 *BSc in Biomedical Sciences* – VU University Amsterdam, the Netherlands

Positions

2017– **Researcher** – Department of Biology & Biological Engineering, Chalmers University of Technology, Gothenburg, Sweden
2013–2016 **Postdoctoral researcher** – Department of Biology & Biological Engineering, Chalmers University of Technology, Gothenburg, Sweden
2008–2012 **Postgraduate student** – College of Medical, Veterinary and Life Sciences, University of Glasgow, UK
2007–2008 **Graduate research assistant** – Department of Biochemistry & Molecular Biology, University of Melbourne, Australia

Teaching

KKR063 Metabolic Engineering, part of MPBIO masters program as elective course, Chalmers, 7.5 ECTS

Lecturer (since 2015) and examiner (since 2018). The course covers topics including principles of metabolic engineering, genome-scale model reconstruction and analysis, synthetic biology tools, kinetic models and metabolic control analysis. I am responsible for all lectures and exercises, corresponding to ~60 contact hours.

KMG060 Systems Biology, part of MPBIO masters program as compulsory course, Chalmers, 7.5 ECTS

Lecturer (since 2019). I am responsible for the lectures and exercises that cover mathematical modelling of metabolism and flux balance analysis, corresponding to 15 contact hours.

FKBT040 Metabolic Engineering & Systems Biology (MESB), biannual summer school, Chalmers, 5 ECTS

Lecturer (since 2015) and organizer (since 2017). The MESB course is an intense 5-day summer school (plus pre-course self-study) that is held every two years and attracts over 40 international PhD students, postdocs and industrial researchers. For this course, I function as organizer, lecturer and examiner.

Supervision

PhD student

Le Yuan (2019 – present)
Cheewin Kittikunapong (2019 – present)

Postdoc

Dr Naghmeh Poorinmohammed (2019 – present)
Dr Jing Fu (2019 – present)
Dr Ievgeniia Tiukova (2018 – 2019)
Dr Hao Wang (2016-2018)

Undergraduate student

Wei Quan Cheng (2020, Nanyang Technological University, Singapore)
Bob Wabeke (2019 – 2020, Wageningen University & Research, the Netherlands)
Philip Gorter de Vries (2018 – 2019, Chalmers University of Technology, Sweden)
Francisco Zorrilla (2018, Chalmers University of Technology, Sweden)
Severo Balasbas (2018, University of Florence, Italy)

Co-supervision

I have co-supervised over 20 PhD students, visiting PhD students and visiting postdocs.

Funding

Total funding granted to Chalmers: **23.1M SEK**, of which **7.1M SEK as sole applicant**.

2020 – 2024 **Vetenskapsrådet**, № 2019-04624. 3.2M SEK

2019 – 2021 **FORMAS**, № 2018-00597. 3M SEK

2019 – 2022 **European Union** (Horizon 2020 project SynBio4Flav), № 814650. 7.4M EUR (consortium grant, 12.5M SEK to Chalmers)

2018 Chalmers' **Area of Advance Energy**. 500k SEK

2016 – 2018 **Åforsk Foundation**, № 16-655 890k SEK

2016 – 2018 **Västra Götalandsregionen** (EraSysAPP project SYSTERACT), № RUN 150520. 1.7M EUR (consortium grant, 3M SEK to Chalmers)