

PERSONAL INFORMATION

Family name, First name: **Klemenčič, Marina**

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CURRENT EMPLOYMENT

2022 – now	Analytical project lead; Technological Research and Development, Novartis
2020 – now	Researcher, Programme group Bio&organic lab (PI: prof. dr. Jurij Svete, UL FCCT) <ul style="list-style-type: none"> • Rational protein design for elucidation of structure-to-function properties (proteases) • Inhibition studies using <i>Plasmodium falciparum</i> dihydroorotate dehydrogenase as the target enzyme for treatment of malaria, protein structure optimization for crystallization studies • Cell culturing (HaCaT and fibroblast cells) for development of wound healing hydrogels (in collaboration with Department of Chemical Engineering)

PREVIOUS EMPLOYMENTS

2021 – 2022	Assistant professor, University of Ljubljana, Faculty of Chemistry and Chemical Technology (UL FCCT), Department of Chemistry and Biochemistry <ul style="list-style-type: none"> • Lecturing: Biotechnology and Biochemistry (BSc study) and Synthetic biology (MSc study) • Laboratory course design and leading: Plant biochemistry (BSc study), Biologically active inorganic complexes, Biochemistry of multicellularity, Synthetic biology (MSc study)
2016 – 2018	Post-doc researcher; Christiane Funk's lab, Umeå University, Sweden <ul style="list-style-type: none"> • Identification, expression, purification and <i>in vitro</i> characterisation of caspase-like proteases in unicellular organisms
2013 – 2016	Teaching assistant and researcher; UL FCCT <ul style="list-style-type: none"> • Laboratory course leading: Molecular biology (BSc study), Molecular biotechnology, Biological Membranes, Interactions of biological molecules (MSc study)

EDUCATION

2021 – 2022	MBA, UL School of Economics and Business
2013	PhD, Doctoral programme in Chemical Sciences, Biochemistry, UL FCCT
2009	Bachelor's degree, University study programme Biochemistry, UL FCCT
2005	International Baccalaureate Diploma (IB), Gimnazija Bežigrad, Ljubljana

ORGANIZATIONAL EXPERIENCE, research/teaching related

2022	Main organizer (postponed from 2020) <ul style="list-style-type: none"> • Plant Proteolysis 2022 conference, UL FCCT (150 participants expected; biennial, the most important conference in the field of plant proteases)
2022	Local organizer, First Annual Meeting of the ProteoCure COST Action <ul style="list-style-type: none"> • A symposium organized by the COST action ProteoCure in May 2022 in Ljubljana
2022	Main editor, book Methods in Molecular biology series for Plant Proteases and Cell Death <ul style="list-style-type: none"> • Co-editing with Simon Stael (University Gent, Belgium) and Pitter Huegsem (Institute Jülich, Germany), the book contains 25 chapters from researchers
2021	Co-editor of a Special Issue in the Journal of Experimental Botany <ul style="list-style-type: none"> • Editing of 10 original research or review papers in the field of Plant proteases, joint co-editing with prof. van der Hoorn, University of Oxford, UK

- 2017 Main organizer
- EuAlgae Industries meeting, UL FCCT (75 participants; 3-day EUAlgae COST action conference dedicated to meetings of stake holders and industrial partners)

RESEARCH OUTPUTS

- 2013 – now Research papers and book chapters
- 17 original research papers, among these 6 with first or last authorship
 - 5 review papers, among these 3 with first authorship
 - 3 popular science papers, all with first authorship (Alternator, Proteus, Acta Ch. Slovenica)
 - 3 book chapters
- 2013 – now More than 20 conference entries/attendings

LEADERSHIP, SUPERVISION and APPOINTMENTS

- 2020 – 2024 Supervisor
- PhD student, UL doctoral programme Chemical Sciences
- 2020 – now Supervisor
- 9 BSc and 5 MSc students
- 2021 – 2025 Management committee member; COST action ProteoCure
- 2020 Project leader
- 4-month biotechnological project with UL FCCT Department of Chemical Engineering (assoc. prof. Aleš Ručigaj) and AciesBio for enhancement of pigment producing enzymes
- 2014 – 2019 Board member and Early Career Investigator representative; COST action EUAlgae
- 2015 Project co-leader and co-mentor in Syntehtic biology competition iGEM
- the First Slovene High school iGEM group. 'Production of waste biobutanol from butyrate in *E. coli*'. awarded a gold medal and placed top 5 among 36 high-school teams. UL FCCT, collaboration with National Institute of Chemistry of Slovenia

FELLOWSHIPS and AWARDS

- 2021 Fernandes fellow
- University of Warwick, UK; fostering collaboration between University of Ljubljana and University of Warwick
- 2019 Chosen participant
- FEMS - Federation of European Microbiological Societies; the only Slovene researcher chosen to participate in the FEMS Summer School for Postdocs. It recognized 25 of the most talented and promising researchers from across the world.
- 2019 Scientific host
- Invited as a scientific host for 1 of the 10 American students, which received a prestigious 10-week scholarship from the American Slovenian Education Foundation (ASEF, based in Stanford, USA) fellowship program that bridges the most talented American students with prominent researchers in Slovenia.

ORGANIZATIONAL EXPERIENCE, other

- 2021 – now Scientific lead, transdisciplinary summer school Design + Science
This year's topic: Para-intelligence. In collaboration with Academy of Fine Arts and Design (UL ALUO). Previous topics: Synthetic foods, CoHabitation.
- 2018 – 2021 Leader, working group consisting of members from "Mlada Akademija" and VTIS (Slovenes educated abroad)
- Actively involved in proposing system changes mostly related to Slovene Research and Innovation strategies and current legislation
- 2011 – 2016 President of the Slovene medical orchestra Camerata Medica