CURRICULUM VITAE

Cornelia Spetea Wiklund

Position Professor of Plant Cell Physiology since Feb 2011, University of Gothenburg

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Education
M. Sc. (Biology) University of Bucharest, 1992
PhD (Molecular Cell Biology) University of Szeged, Hungary, 1997
Docent (Molecular Cell Biology) Linköping University, 2007

Awards, fellowships
IVA 100-list by Royal Swedish Academy of Engineering Sciences, 2020
Sabbatical grant, Princeton University, 2019
Nominated for Jan Andersson Award in photosynthesis research, 2018
Nominated for Wallenberg scholars, 2018
The Royal Society of Arts and Sciences in Gothenburg travel fellowship, 2013, 2016
Adlebertska research fellowship, 2013
Wallenberg travel fellowship, 2006
Helge Ax:son Johnsons travel and research fellowship, 2002
Wenner-Gren postdoctoral fellow Stockholm University, 1997-1998
STINT postdoctoral Fellow Stockholm University, 1996-1997
United Nations and Hungarian Academy of Sciences Research fellowship, 1992-1993

Previous positions 2008-2014, Rådsforskare VR, 2009-2010, Professor, IFM, Linköping University, 2002-2008, Forskarassistent VR, IBK, Linköping University; 1999-2002 Research associate, IBK, Linköping University; 1996-1999, Post doc, Stockholm University; 1992-1996, PhD student, Biological Research Center, Szeged, Hungary

Parental leave totally 22 months for Emil and Julia Wiklund, 2002-2005

Research grants Sustainable Blue Economy Partnership-EU-Formas (2025-2028) SEAlgaePower (Coordinator). Swedish Research Council (2022-2026) 'Uncovering ion transporters important for photosynthetic function'.

Supervision PhD students as main advisor: Kim van Maldegem (2022-), Emilija Dukic (2017-2022); Lisa Adolfsson (defended 2016), Andrei Herdean (defended 2015), Lan Yin (defended 2014), Milton Karlsson (defended 2014), Björn Lundin (defended 2008), Sophie Thuswaldner (defended 2007)
Postdocs as main advisor: 2022- Fatemeh Khosravitabar, 2021-2023 Kashif Shaikh, 2019-2021 Valeria Villanova, 2017-2020 Otilia Cheregi, 2014-2016 Hugues Nziengui, 2011-2013 Jenny Carlsson, PhD at SLU Uppsala; 2010-2014 Azeez Beebo; 2005-2010, Lorena Ruiz Pavón

Keynote speaker >60 talks at international and Swedish conferences, workshops, university seminars.

National Wallenberg Academy Fellow evaluation board, 2021

assignments Chair, Docent board, Faculty of Science, UGOT, 2018-
Council member, Dept. Biological Environmental Sciences, UGOT, 2013-2018
Council member SFBBM, 2016
Organizer Workshop *Membrane transport in biology and medicine*, Gothenburg, 2013
The Swedish Research Council evaluation board for research grants (NT-J), 2009-2012

International assignments Main Organizer *Nordic Photosynthesis Congress*, Gothenburg, 2021
Chair Symposium *Electron and Proton Transfer,* ePS1 Congress, Uppsala, 2018
SPPS council member and journal responsible 2015-2021
Organizer Symposium *Photosynthetic response to a changing environment - Towards sustainable energy production* at SEB congress, Gothenburg, 2017
Chair Symposium *Electron and Proton Transfer in photosynthesis,* PS17 congress, Maastricht, 2016
FEBS evaluation board for fellowships, 2011-2014
Chair Symposium *Responding to Environmental Perception*, FEBS-IUBMIB Congress, Seville, 2012
Scandinavian Society of Plant Biology (SPPS) council and Journal responsible, 2015-
EPSO Supporting scientist for UGOT, 2015-2020

Editorial assignments Associate Editor *Front Plant Physiol*, 2018-
Invited Guest editor *Physiol Plant* Special Issue: Photosynthesis, 2018-2019
Invited Guest editor *Front Plant Sci* Research Topic: Spetea, C., Szabò, I., Kunz, H-H. Ion Transport in Chloroplast and Mitochondria Physiology in Green Organisms, 2017
Invited Guest editor *Phil Trans R. Soc* issue: Spetea, C., Rintamaki, E., Schoefs, B. Changing the light environment: chloroplast signalling and response mechanisms, 2014
Referee for international journals (>5 times/year: *Nature, Science, Nat. Plants, Plant Physiol., Mol Plant, Photosynth. Res.*, *Physiol. Plant, J. Exp. Bot., Front. Plant Sci.*

Research orientation two basic research projects deciphering the network of ion transporters operating in the chloroplast to effectively adjust photosynthesis in land plants and algae (ongoing funding from VR). One applied project in marine microalgae cultivation and cleaning of liquid side streams from aquaculture and processing industry (ongoing funding from SBEP/EU and Formas)).

Publications 100 international peer-reviewed papers: 50 research articles including 25 as corresponding author), 13 reviews, 3 editorials, 3 book chapters, 14 conference proceedings), Total of 5038 citations, h index=37 (data retrieved from Google Scholar 2025-11-04: Spetea C), 7 PhD, dissertations, 1 preprint, 2 reports, 66 conference abstracts, 60 invited talks

Webpage **https://www.gu.se/en/research/phobio**

Pedagogic competence

2013 course for experienced supervisor at University of Gothenburg: HPE202
2001-2006 courses in academic pedagogy at Linköping University: Steg 1-3

Teaching experience

2001-2011 in Linköping: 5 undergraduate courses on Plant Cell, Photosynthesis, Genomics, Evolution, Immunological techniques; course responsible for Genomics and Bioinformatics (9 ECTS), Functional Genomics (6 ECTS) (20% of employment)

2011- in Gothenburg: 9 undergraduate courses in Cell biology (BIO900), Developmental Biology (BIO213), Plant Physiology and Plant Biotechnology (BIO530); course responsible for Plant

Physiology (BIO350, 15 ECTS) within the biology programme, and Plant Physiology (LGIB20, 7.5 ECTS) with the teacher programme
Supervision of 3 Bachelor, 5 Master, 7 trainee projects
30% of employment 2012-2020, 20% 2021-present

Outreach activities

32 popular science articles/presentations/activities
Lectures for schools, Gothenburg botanical garden, Vetenskapsfestivalen; press releases for published articles, interviews for VetenskapsRadio P1 and Univ. Gothenburg, practical demonstrations on photosynthesis, youtube demonstrations, Swedish Energy Council-funded applied research project in collaboration with RISE