

## CV – Marica B. Ericson

Name: Marica Birgitta Ericson, Nationality: Swedish Date of birth: 28 June 1974  
Family: Married 2 children (born 2009, 2013)  
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### Present position

April 2022, – Head of Department, Dept. Chemistry and Molecular Biology (CMB), University of Gothenburg (GU) (20% Research).

### Education

1999, M.Sc. in Chemical Engineering, Royal Institute of Technology (KTH), Stockholm

2004, Ph.D. in Physical Chemistry (Examiner: Bengt Nordén, Supervisor: Arne Rosén), Dept. Experimental Physics, Chalmers University of Technology, Gothenburg, Title: *Spectroscopic Measurements and Fluorescence Imaging for Treatment and Diagnosis of Skin Cancer*

### Previous positions

2018, – (ongoing) Professor Physical Chemistry, PI Biomedical photonics group, CMB, GU. 20% Research

2016 – 2018 Senior lecturer (Sve Universitetslektor), CMB, GU

2011– 2016 Researcher, Dept. Physics (2011 – 2012), CMB (2013 – 2016), GU

2010 – 2011 Visiting researcher, Department of Mechanical engineering (Host: Adela Ben-Yakar), University of Texas, Austin (TX), USA (VINNMER grant 2008-03414)

2010, Associate professor (Docent) in Physics, Dept. of Physics, GU

2006 – 2010, Assistant Professor, Dept. Physics, GU (VR FoAssist. grant, 2006-3700)

2004 – 2006, Post Doc., Dept. Dermatology, Sahlgrenska University Hospital, 1999 – 2004, PhD student, Experimental Physics, Chalmers University of Technology

### Interruption in research

April 2009 – Dec 2009, March 2013 – June 2014, part-time maternal leave

### Publications

**82 publications** (of which 50 peer-review papers, 4 review papers, 24 conference papers, 2 book chapters), h-index = 24, >1800 citations (Scopus, Sep 2022)

<https://www.scopus.com/authid/detail.uri?authorId=7101845685>

### Tutoring experience

*Post-doctoral fellows:* Dr. Jeemol James, PhD Univ. Gothenburg, starting June 2022 - ; Dr Danni Wang, PhD Stony Brook University, USA, 2015 – 2016; Dr. Vladimir Kirejev, PhD University of Gothenburg, Sweden. 2014; Dr. Brigitte Bauer, PhD Chalmers University of Technology, Sweden. 2008 – 2011

*Graduated PhDs (as main supervisor):* Jeemol James, 2022, Hanna Thomsen, 2018, Johan Borglin, 2016; Vladimir Kirejev, 2014; Stina Guldbrand, 2012; Carl Simonsson, 2011

*Graduated PhDs (as co-supervisor):* Despina Kantere, 2021; Hanne Evenbratt, 2013; John Paoli, 2009; Camilla Hörfelt, 2009; Karin Terstappen, 2008.

*PhD students in progress:* Monika Malak (main supervisor), planned defence 2023

### Ongoing research funding

- Swedish research council VR, 2019-04043, 3 300 kSEK, Non-linear optical microscopy focusing on biosensory and photopharmaceutical applications, 2020 - 2023.
- Bo Rydin Foundation, F16/17, 3 000 kSEK, Skin regeneration and multi-photon microscopy ex vivo, 2017 - 2022

### Selected previous funding

- SSF, ID17-0030, 2 500 kSEK (PI), 2017 – 2021
- Carl Tryggers' foundation, 16:137, 285 kSEK (PI), 2016-2018
- Swedish research council VR, 2015-05002, 3 250 kSEK, Quantitative advanced optical microscopy and multiphoton lithography focusing on biomedical applications, 2016 - 2019.
- EU, ITN-Marie Curie, Cyclon-HIT #608407, 2 000 kSEK (as co-investigator, PI: R. Gref), 2014-2017
- Lundberg foundation, Project grant 2013-430, 900 kSEK (PI), 2013-2015
- VR, Project grant 2011-5189 3 200 kSEK (PI), 2012-2015
- EU, ITN-Marie Curie, Cyclon #237962, 2 000 kSEK (as co-investigator, PI: K. Yannakopoulou), 2010-2013

### Referee commitments

*Appointed reviewer:* Scientific Reports, Journal of Biophotonics, Journal of Biomedical Optics, Journal of Controlled Release, Journal of Investigative Dermatology, British Journal of Dermatology, etc.

*External review tasks:* European commission, Swedish Research Council (VR), Research Council of Luxemburg, and Technology Foundation STW, the Netherlands

*Faculty opponent:* PhD defense Virginia Claudio, Applied Physics, Chalmers, June 2017

*Member of the PhD committees:* Herzhog, GU, 2020; Wesen, Chalmers, 2020; Mousavi, Lund University, 2019, Koulentianos, GU 2019, Lutz, GU, 2019, Dunewall, Chalmers, 2018; Forreryd, Lund, 2017; Wallenstein, Chalmers, 2016; Corani, Lund, 2015; Matson Dzebo, Chalmers, 2014; Selgård, Linköping, 2014; Bodvard, Chalmers, 2012; Bodén, Umeå, 2012; Frost, Chalmers, 2012; Sisamakris, KTH, 2012; External reviewer PhD theses: Salvatrice Millesi, Nunzio Cardullo, C.M.A. Gangemi, Univ. Catania, Italy, 2016; Dimitrios Kapsokalyvas, Univ. Florence, Italy, 2011

### Administrative and commission of trust

- 2022 – Head of Department, CMB, GU (80%)
- 2021 – 2022 Assistant Head of Department – Research, CMB, GU (20%)
- 2018 – 2020 Member of Board, Faculty of Science, GU
- 2018 – 2020 Member of Steering board, Unit for Academic Language, GU
- 2018 – 2020 Member of Program committee, OSA Biophotonics congress, 2020
- 2013 – 2017 Coordinator of Centre for Skin Research (SkinResQU)
- Conference organization: Microscopy workshop 2017, Nanomedicine in PDT Conference 2013

### Teaching duties

*Previous course examiner:* Introductory chemistry 1 KEM011 15 HEC, Dermatochemistry KER260 7,5 HEC, KEA270 7,5 HEC

*Lecturer:* Spectroscopy part, Physical Chemistry KEM040 15 HEC, Lectures on Environmental chemistry course, and Drug Development course.

### Additional training

Laboratory safety training (GU) 2018, Seminars on Academic Writing in Teaching (GU) 2018, Pedagogic courses in Higher Education and Scientific supervision (15 HEC) 2014-2016, Coaching in academic leadership 2012, Animal experiments and ethics 2010

### Nominations & Distinctions

2019 Nominated by GU to Göran Gustafsson's Prize (KVA) in Chemistry – 2019/2020

2009 Promising female researchers award, Visiting Researcher Grant, Mobility for Growth VINNOVA (VINNMER grant 2008-03414)

2006 Assistant professor position grant, Swedish Research Council, (VR 2006-3700)