

Name: Börjesson, Karl

Personal identity number: 820105-2415

Family: Married to Anna Börjesson, children Matilda Börjesson (9 years) and Hugo Börjesson (6 years)

Date of birth: 5th of January 1982, in Värnamo, Sweden

ResearcherID: E-4710-2011 (<http://www.researcherid.com/rid/E-4710-2011>)

Homepage: <http://molecularmaterials.se/>



HIGHER EDUCATION QUALIFICATIONS

- 2011 PhD in Chemistry, Division of Chemistry and Biochemistry, Chalmers University of Technology, supervisor Prof. Bo Albinsson
- 2006 Master of Science in Bioengineering (with focus on chemistry), Chalmers University of Technology, supervisor of master project Prof. Jerker Mårtensson
- 2005 Erasmus exchange student, Department of Chemistry, University of Warwick, supervisor Assoc. Prof. Andrew Marsh

POSTDOCTORAL POSITIONS

- 2014 – 2015 Postdoctoral associate, Division of Applied Chemistry (polymer chemistry), Chalmers University of Technology (13 month; w. K. Moth-Poulsen)
- 2013 – 2014 Marie Curie IEF Postdoctoral associate, Institut de Science et d'Ingénierie Supramoléculaires, University of Strasbourg (16 month; w. P. Samori)
- 2011 – 2013 Postdoctoral associate, Division of Applied Chemistry (polymer chemistry), Chalmers University of Technology (20 month; w. K. Moth-Poulsen)

PRESENT POSITION

2018 (onwards) Associate Professor, Department of Chemistry and Molecular Biology, University of Gothenburg

FELLOWSHIPS AND AWARDS

- 2017 Received the **ERC starting grant** (1 500 000 euro, distributed over five years)
- 2017 Received the **Wallenberg Academy Fellow grant** (7 500 000 kr distributed over five years)
- 2016 Received the **Swedish Foundations Starting Grant** (5 800 000 kr distributed over two years)
- 2016 Received the Swedish Research Councils (**VR**) Starting Grant, 3 200 000 kr distributed over 4 years starting from spring 2017
- 2015 **Ingvar Carlsson Award** (12 people are awarded every second year, sum of award 4 000 000 kr distributed over 4 years)
- 2013-2014 Marie Curie Intra-European Fellowship (FP7-PEOPLE-2012-IEF, proposal number 326665), carried out at Institut de Science et d'Ingénierie Supramoléculaires, University of Strasbourg
- 2013 Hans Werthén fellow (125 000 kr)
- 2012 **EPA prize** for the best PhD thesis in photochemistry published in Europe during 2010 and 2011 (single prize winner), awarded by the European Photochemistry Association
- 2005 Erasmus exchange scholar, Department of Chemistry, University of Warwick
- 2006 – 2015 9 Traveling scholarships (130 000 kr in total)

PUBLICATIONS AND BIBLIOMETRIC DATA

Since 2008 I have published **51** articles in peer-reviewed journals (1 more is submitted for publication), and 1 publication for a broader audience. Of these articles are **16 in high impact journals** (impact factor > 10). My articles has been cited 1575 times, my **H-index is 24** and my i10-index is 39 (according to google scholar).

COMMISSIONS OF TRUST

- Swedish representative (invited on behalf of the Swedish Foundation for Strategic Research) at the Future Leaders forum at the STS 2015 forum (Kyoto, Japan).
- Frequent reviewer in high impact journal, for instance from the RSC and Wiley publishing houses.
- Reviewer for grant applications, for instance from ERC.
- Part of the task group to form the Chalmers Materials Analysis Laboratory (2012 – 2013).

MEETINGS AND CONFERENCES

I was co-organizing the International symposium on Photon Fusion and Photon Fission: Emerging solar energy conversion technologies, which was held in Gothenburg, 2016, and is the organiser of the Strong Coupling with Organic Molecules Conference 2020. I have been given 12 oral contributions at international conferences.

TEACHING AND PEDAGOGICAL EXPERIENCES

Experience with teaching at the University of Gothenburg and Chalmers University of Technology, both at bachelor and master level in the fields of general, organic and physical chemistry. I am currently course responsible for the Organic Chemistry for Prescriptionists course (KER230) and give lectures on chemical kinetics in the basic chemistry course (KEM011, KER021) at the University of Gothenburg.

Formal pedagogical merits includes the following courses:

2007	Teaching, Learning and Evaluation (3 ECTS)
2015	Teaching and Learning in Higher Education 2 (5 ECTS)
2016	Teaching and Learning in Higher Education 1 (5 ECTS)
2016	Supervision in Postgraduate Programmes (5 ECTS)
2017	Teaching and Learning in Higher Education 3 (5 ECTS)

LEADERSHIP QUALIFICATIONS

I am currently leading a group consisting of six PhD students, and five post doctoral students. Furthermore, I am the co-supervisor of one more PhD students. Leadership philosophy wise I see it as my responsibility to act as a guide and mentor for my students, so that they develop as far as possible during their time in my lab. Below is phd student and post docs, with me as main supervisor listed.

2016-2018	Kati Stranius (post doc, main supervisor)
2016-2018	Khushbu Kushwaha (post doc, main supervisor)
2016 (April)-	Alexei Cravenco (PhD student, main supervisor)
2016 (Sep)-	Manuel Hertzog (PhD student, main supervisor)
2017 (March)-	Martin Ratch (PhD student, main supervisor)
2017 (Aug)-	Jürgen Mony (PhD student, main supervisor)
2017 (Oct)-	Chen Ye (post doc, main supervisor)
2018 (Jan)-	Mao Wang (post doc, main supervisor)
2018 (May)-	Suman Malick (post doc, main supervisor)
2018 (Sep)-	Clara Schäfer (PhD student, main supervisor)
2019 (Jan)-	Yi Yu (PhD student, main supervisor)
2019 (Aug)-	Yizhou Yang (post doc, main supervisor)

Formal leadership merits includes the following courses:

2010	Basic Leadership course (3 ECTS)
2015-2017	Leadership program for Assistant Professors given by the Swedish Foundation for Strategic Research (as part of the Ingvar Carlsson Award)