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Highlights:

- Selected by SSF and VINNOVA as one of top 5 young Swedish future leaders to attend *Science and Technology in Society (STS) Forum 2016*, Kyoto, Japan
- PI of grants amounting c. **2.5 million euros**
- SSF Future Research Leader award (the first mathematician receiving the award)

CURRENT POSITION

2017– Associate Professor (Universitetslektor), Department of Mathematical Sciences, University of Gothenburg

EDUCATION

2014 Docent / Habilitation in Mathematical Biology, **University of Gothenburg, Sweden**
2009/01/31 PhD in Mathematics, **Max Planck Institute for Molecular Genetics, Berlin, Germany** (Marie Curie PhD Fellow Supervisor Prof. Edda Klipp, PhD thesis: Modeling ageing in yeast)
2005 M.Sc. Bioinformatics, **Chalmers University of Technology, Sweden**
2003 B.Sc. Mathematics, **University of Belgrade, Belgrade, Serbia**

PREVIOUS POSITION

2015-2017 Bitr. Universitetslektor, Department of Mathematical Sciences, University of Gothenburg
2011-2014 Assistant professor (FoASS), Dept. of Mathematical Sciences, University of Gothenburg
2011 Post-doctoral Fellow, The Sahlgrenska Academy (Total 4 months, Joahkim Larsson Lab, topic: antibiotic resistance)
2009-2010 Post-doctoral Fellow, Dept. of Chemical and Biological Engineering, Chalmers University of Technology (Total 2yrs, Jens Nielsen Lab, topic: metabolic engineering)

CAREER BREAKS Maternity leave: total 18 months: 2011/08-2012/5 and 2014/03 – 2014/12

SUPERVISION OF GRADUATE STUDENTS AND POSTDOCTORAL FELLOWS

Current: PhD students: **Johannes Borgqvist** (2015-2020 main supervisor); **Barbara Schnitzer** (2017-2022 main supervisor); **Felix Held** (2016-2019 co-supervisor, collaboration with Fraunhofer – Chalmers Research Centre); **Jacob Leander** (2016-2019 co-supervisor, collaboration with AstraZeneca and Fraunhofer – Chalmers Research Centre); **Hanna Alalam** (2017-2022, co-supervisor), **Mariana Pereira** (2017-, co-supervisor)

Post-docs: **Qasim Ali** (started 2016 main supervisor); **Niek Welkenhuysen** (started 2017 main supervisor)

Research assistant: **Damiano Ognissanti** 2016 – ongoing (main supervisor)

Alumni: PhD students: **Sviatlana Shashkova** 2012-2016, co-supervisor, main supervisor Stefan Hohmann, FP7 project ISOLATE (current position post-doctoral fellow at York University, UK); **Niek Welkenhuysen** 2012-2016, co-supervisor, main supervisor Stefan Hohmann, FP7 project ISOLATE (current positions: post-doctoral fellow in my group); **Frederik Boulund** 2011-2015 co-supervisor, main supervisor Erik Kristiansson (current position post-doctoral fellow at Karolinska Institute)

10 master students (main supervisor; 7 are completing/completed their PhD studies and 3 are working in companies), 4 bachelor students and 4 project students.

GRANTS

Main applicant

| | |
|---|-----------|
| Stiftelsen för Strategisk Forskning (SSF) Framtidens Forsknings Ledare (FFL 6) (12 million SEK) | 2017-2022 |
| Hasselblad Foundation (1 million SEK) | 2015-2017 |

Stiftelsen för Strategisk Forskning (SSF) (6 million SEK)

2014-2019

Co-applicant:

Chalmers Life Science Engineering Area of Advance Seed Grant

2018-2019

(500kSEK, PI Alastair Ross, Biology and Biological Engineering, Chalmers)

Other (main applicant): Yeast Systems Biology Network Fellow exchange visit scholarship to Bordeaux, France (2008); DAAD scholarship – German Academic Exchange Service, Virginia Bioinformatics Institute, USA (2006); Marie Curie PhD Fellow (2005)

TEACHING ACTIVITIES

More than 7 years of teaching experience. I am highly specialize in teaching mathematics (mathematical modelling) and statistic to students with experimental background: *5 PhD level courses (both national and international, 5 Master level courses, 1 undergraduate level course*

LEADERSHIP TRAINING

2016 **Science and Technology in Society (STS) Forum, Kyoto, Japan.** By invitation only event where politicians, Nobel laureates, and researchers from around the world discuss and explore the opportunities arising from science and technology, and how they can help to solve the problems facing humankind. Selected by VINNOVA and SSF as one of Top 5 young Swedish scientists.

2015-2017 Swedish Foundation for Strategic Research -program for Promising Young Researchers

2013 Leadership program for Assistant Professors, University of Gothenburg

2013 **Mentor4Research**, The Royal Swedish Academy of Engineering Sciences (Program for strengthening the commercialization of research results to increase collaboration between industry and academia. I was one of 54 selected candidates from 8 Swedish Universities and I took second place on National finals.)

CONFERENCE PRESENTATIONS

2017: 12th International Meeting on Yeast Apoptosis, Bari, Italy

Neurogut, The Sahlgrenska Academy, Göteborg (**invited**)

2016: 17th International Conference on Systems Biology, Barcelona

Visalys Workshop on Systems Biology ‘From data to models, Lyon, France (**invited**)

2015: ERASysAPP Workshop ”Networking of Research Centres”, Luxembourg (**invited**)

10th CFGBC Symposium, Ljubljana, Slovenia (**invited**)

16th International Conference on Systems Biology, Singapore

2014: Systems Biology and Systems Medicine in Gothenburg, Sweden and Europe

2013: Sweden – South Africa Symposium, Stellenbosch, South Africa (**invited**)

2012: 13th International Conference on Systems Biology, Toronto, Canada

Nordic Yeast Research Community Symposium, Göteborg, Sweden (**invited**)

2010: BaSysBio Meeting, Beaune, France

35th FEBS Congress, Göteborg, Sweden (**invited**)

2nd Swedish Meeting on Mathematical Biology, Göteborg, Sweden (**invited**)

2009: ECUST Symposium on Systems Biology, Shanghai, China

Mini Symposium: Systems Biology in Sweden, Stockholm, Sweden

7th International Meeting on Yeast Apoptosis, Graz, Austria

2008: 10th International Conference on Systems Biology, Göteborg, Sweden

POPULAR SCIENCE PRESENTATIONS

2017: SSF movie: They understand ageing using mathematics; P1 radio station Mathematics predicts winner of Polar Prize Award; **2016:** Åldrande och matematik, Senior universitetet, Stockholm; Fika med forskare, Folk Universitet, Uddevalla and Sotenäs; P3 and P4 Göteborg radio stations: Ageing; Pi day; Polar Price Music Award; Olympic games; **2015:** Naturvetardagen, University of Gothenburg; *Framtidens Forskning:* Matematiska modeller ger kunskap om åldrande; *Vetenskapfestivalen:* Populationer på liv och död; **2014:** Utbildningsmagasinet: Sluta aldrig fråga; **2013:** *Academic Open Mic Night* / *SBE Student Chapter Chalmers*

ORGANISATION OF SCIENTIFIC MEETINGS

I have been co-organizer of 8 conferences/workshops/graduate schools in Sweden. Major: 2015 Systems Biology Training and Education; 2013 Current Challenges in Systems Biology Workshop, 2010 35th FEBS congress

COMMISSIONS OF TRUST

- 2017 co-Section Editor Future of systems biology within *Current Opinion in Systems Biology*
- 2017 Editorial Board member *MicrobialCell*
- 2017 Editorial Board member *In Silico Biology – Journal of Biological Systems Modeling and Multi-Scale Simulation*
- 2017 - Member of the Management Team Infrastructure for Systems Biology Europe
- 2016 Member of the Focus Group for Research Evaluation at the University of Gothenburg
- 2015 – Director of the Graduates Studies in Applied Mathematics, Department of Mathematical Sciences, University of Gothenburg
- 2013 – 2015 Swedish representative at FP7 Infrastructure for Systems Biology Europe (ISBE)
- 2014, 2016 External Expert evaluator for tenure University of Connecticut, USA
- 2014 External Expert evaluator for tenure Tsinghua University, China
- 2013 External Reviewer Human Brain Project Competitive Call

MEMBERSHIPS OF SCIENTIFIC SOCIETIES

- 2014 – Foundation Chair, The International Society for Systems Biology (invited)
- 2013 –2015 CEO, Gothenburg Centre for Systems Biology (GCSB), Sweden (invited)
- 2011 – Steering Board Member Gothenburg Bioinformatics Network, Sweden (invited)

PhD EXAMINATIONS

As an opponent: 2017 **Rikard Johanson**, Linköping University; As a committee member: 2017 **Annikka Polster**, Sahlgrenska University Hospital, **Pouyan Nouran**, Chalmers; 2016 **Lucas Sinclair**, Uppsala University; 2016 **Amir Feizi**, Chalmers; 2015 **Sebastian Ibstedt**, University of Gothenburg.