**ULRIKA KATARINA MARKLUND**

**Personal number:** 19770930-8527

**Place of birth:** Umeå, Sweden.

**Alternative names:** Tryggvason (2006-2007)

**Address:** Karolinska Institutet, Dept. Medical Biochemistry and Biophysics (MBB)

**ORCID:** 0000-0003-1426-1271

**Researcher ID:** I-8814-2012

**EDUCATION:**

2002 - 2008 **PhD in Cell- and Molecular Biology**, Karolinska Institutet, Regional Control of Cell Fate Determination and Neurogenesis in the Developing CNS. ISBN: 978-91-7409-215-8

2000 - 2001 **Umeå Graduate School of Biomedical Research,** Umeå and Uppsala University, Sweden.

1999 - 2000**ERASMUS exchange student,** University of Manchester, UK.

1996 - 2002 **Master in Molecular biology,** Umeå University, Sweden.

**APPOINTMENTS:**

2017 - **Senior Researcher** (*Karolinska Institute Faculty Position),* KI, MBB.

2014 - 2017 **Assistant Professor** *(partly Knut & Alice Wallenberg (KAW) repatriation position*), KI, MBB.

2011 - 2013 **Researcher** *(partly KAW repatriation position*), Karolinska Institutet, MBB.

2009 - 2010 **Postdoctoral Fellow** *(EMBO Long Term Fellowship; KAW postdoctoral fellowship)*

National Institute for Medical Research, London, UK.

2002 - 2008 **PhD student,** Karolinska Institutet, Dept. Cell and Molecular biology.

**INVITED SPEAKER to International Meeting:**

2022 **6th International Symposium on ENS Development**, Ferrara, Italy. April

2022 **Digestive Disease Week (DDW),** San Diego, US, May

2022 **12th ISABS Conference**, Dubrovnik, Croatia, June.

2022 **SFO StratRegen Conference**, Stockholm, Sweden, October.

2021 **Digestive Diseases Research Meeting**, Nashville, US. Keynote speaker.

2021 **Mayo Clinic**, Rochester, MN, USA, Virtual Seminar

2021 **Belgian week of Gastroenterology**, 800 participants. Keynote speaker

2021 **Gastronauts Conference**, Virtual Seminars, 850 participants.

2021 **Invited Special Virtual seminar,** May 26th (hosted by the 6th Symposium on Development of ENS, in waiting for postponed meeting in 2022.)

2019 **EMBO Symposium**, keynote speaker, Vienna, Austria

2018 **5th International Symposium on ENS Development**, Boston, United States.

2018 **KI Discovers**; series high-lighting researcher with recent top-publication at KI.

2017 **British Society for Developmental Biology/Nordic Conference on Developmental Biology and Regeneration**, Stockholm, SE

2016 **Symposium on Hirschsprung disease**, Hong Kong.

2015 **4th International Symposium on ENS Development**, Rotterdam, Netherlands.

2012 **3rd International Symposium on ENS Development**, Hong Kong.

2006 **European Charcot Foundation Symposium**, Taormina, Italy.

**SELECTED GRANTS:**

2022 – 2023 **SFO StratNeuro Bridging Grant**

2021 – 2025 **NIH R01;** Collaboration with David Linden and Art Beyder at Mayo Clinic, Rochester, US

2021 – 2024 **Crohns & Colitis Foundation (CCFA)** Contract still pending.

2021 – 2025 **Knut and Alice Wallenberg (KAW) Project with high scientific potential**

2021 – 2024 **Swedish Research Council** (VR), Medicine and Health

2021 – 2024 **KID**- Partial Funding of PhD student from Karolinska Institutet

2020 – 2021 **SFO Stem Cells & Regeneration**

2017 - 2020 **Swedish Research Council** (VR), Medicine

2013 - 2016 **Swedish Research Council**(VR), Young Researcher Grant

2015 - 2019 **KID**- Partial Funding of PhD student from Karolinska Institutet

2012 - 2022 **Research Grants** from Foundations: Hjärnfonden, Åke Wiberg, SLS, Ruth och Richard Julin, Magnus Bergvall, Ollie och Elof Ericsson, Eva och Oscar Ahren.

2017 - 2019 **Dr. Li Dak Sum Regenerative Medicine Grant***, Hong Kong*. I am co-PI.

2013 - 2020 **Fellowships** to my lab-members have been obtained from SSMF, Hjärnfonden and Wenner-Gren Foundation.

**AWARDS:**

2019 **KI-Mayo Clinic** Collaborative Travel Award

2018 - 2019 **2-year Faculty Position**, Karolinska Institutet Career Program.

2018 **Travel Award**, 5th International Symposium on ENS, Boston, US.

2012 **Young Investigator Award**, 3rd International Symposium on ENS, Hong Kong.

2011 - 2015 **Knut and Alice Wallenberg (KAW) Repatriation Position** in Micro/Nano science

2009 - 2010 **Knut and Alice Wallenberg (KAW) Postdoctoral Fellow** in Micro/Nano science

2009 **EMBO Long Term Postdoctoral Fellowship**(ended prematurely for KAW)

2005 **Best Short-Talk Award**, Developing Nervous System, KI, Sweden

**TEACHING:**

2016 - 2021 **Course Leader and Teacher at PhD Course** “Developing Brains”, 1 week, KI.

2014, 2015 **Teacher in PhD Course** “Developing Brain”, 1 class, KI.

2016 - **Teacher at the Medical Program**; seminar leader, project work coordinator and examinator (every semester)

2016 **Supervisor** for written assignment in undergraduate Physiology Project

2012 - **Teacher** at the *Clinical Research School for Medical Doctors*, KI

2004 - 2006 **Course-organizer, Teacher and Lab-instructor**; Biomedical students, KI

2002 - 2007 **Teacher**; seminar for Medical Students, Karolinska Institutet

**MENTOR EXPERIENCE (major supervisor for):**

2021 - Postdoctoral Fellow: Yanan Chen (Wenner-Gren Fellowship)

2021 - PhD student: Ziwei Liu (China Scholarship Council, KID)

2021 - PhD student: Wei Li (China Scholarship Council)

2019 - 2020 Postdoctoral Fellow: Anastassia Mikhailova (Wenner-Gren Fellowship)

2016 - PhD student: Khomgrit Morarach (partly funded by Royal Thai Government)

2015 - 2019 PhD student: Viktoria Knoflach (KID), **Defended May 29th 2019.**

2013 - 2019 Postdoctoral Fellow: Fatima Memic (Hjärnfonden, SSMF)

2021 – 2022 Master Student: Rick Hogenboom (Amsterdam University, Netherlands)

2021 Master Student: Prach Techameena (KTH, SU, KI, Sweden)

2020 Master Student: Amelie Joly (Lyon University, France)

2019 – 2020 Master Student: Wei Li (China)

2019 Master Student: Graziella Tabacaru (Karolinska Institutet, Sweden)

2015 - 2016 Master Student: Lynn Pieters (Leiden University, Netherlands)

2013 - 2014 Master Student: Marjan Abbassi (Stockholm University, Sweden)

2012 - 2013 Master Student: Rebecca Sadler (University of Manchester, United Kingdom)

**COMMISSION OF TRUST:**

2013 - **Ad hoc Peer-reviewer** (55 manuscript reviews): Cell, Nature, Nature Cell Biology, Nature Communications, Nature Ageing, EMBO J, EMBO Reports, J. Neuroscience, Gut, Stem Cells Translational Medicine, Communications Biology, Frontiers in Cell and Developmental Biology, Int. J. Molecular Sciences, Scientific Reports, Stem Cells and Development, Stem Cells, PLOS Genetics, Neuroscience, Neuroscience Letters, Journal of Clinical Medicine, Neurobiology of Disease, Zoological Research, Cellular and Molecular Life Sciences, Experimental Neurology, J. Molecular Histology, Animals, Neuroscience, Toxics, JOVE, NPJ Parkinson’s disease, BMC Developmental Biology, Cellular and Molecular Gastroenterology and Hepatology (CMGH), Gut Microbes

2016 - **Chair Person** at Scientific International meetings including Developing Brains (2016-2021) and Nordic Meeting on Development, Stem Cells and Regeneration (2020)

2019 - **Editor** at the Journal “Neural Development” neuraldevelopment.biomedcentral.com

2019 - **International member of Belgian FWO research network** “Gut-organ axes in health and disease”

2019 **Grant Reviewer** for the Israelian Science Foundation

2019 **Reviewer** of applicants to LBBB2020, Adelaide, Australia.

2020 - **Collaborator with Industry**; NGM Biopharmaceuticals, Inc, San Francisco, US

2021 **Invited to write review**, Trends in Neurosciences, Cell Press

2021 - **Elected Board Member** in StratNeuro (Strategic Research Area Neuroscience)

2021 - **President,** Swedish Developmental Biology Organisation (SWEDBO), Treasurer 2018-2020; Delegate at ISDB Board Meeting, Singapore 2017.

**FACULTY WORK:**

2020 **Thesis Jury member** at PhD dissertation, IBENS Paris, France

2020 **Thesis Opponent** at PhD dissertation, University of Helsinki, Finland

2020 - **Deputy Director of PhD Education**, MBB, KI

2018 – 2022 **Nominating Assembly Representative** (deputy), KI

2020, 2022 **Reviewer for Central Research Funding program,** KI

2016, 2018 **Reviewer for Central Doctoral Funding program**, KI.

2018, 2020 **Examinator for Master Projects**, KI

2018 **Thesis Jury Member** (betygsnämnd) at PhD Dissertation, KI

2016 - **Chairperson** at Dissertation (4 times)

2011 - **Half-Time Committee Member** for 9 PhD students at KI & Uppsala University.

**ORGANISER/MODERATOR OF ACADEMIC CONFERENCES/SEMINARS:**

2016 - 2020 **International Symposium and Course** “*Developing Brains”*, hosting and chairing international distinguished speakers, 140 participants. Planned 2021

2017 - 2019 Inter-departmental **weekly seminar series “*StratRegen”,*** *linking 35 KI research groups*, *funded by SFO Stem Cells and Regenerative Medicine.*

2015 - Inter-departmental **monthly seminar series “*GOSSIPER”****, 13 research groups, funded by Ming Wai Lau Center for Reparative Medicine*

2015 - Intra-departmental **seminar series *“MolNeuro Seminars”****, 7 research groups.*

**LEADERSHIP/PEDAGOGIC TRAINING:**

2015 **Introductory Doctoral Supervision** course and web course, 1week.

2017 - 2018 **Pedagogy for Doctoral Supervisors**, 2 weeks.

2018 - 2019 **Leadership for Research Group Leaders**, 2 weeks.

2021 **Issues coupled to Head of Research: Module 1 & 3**

2022 ongoing **Teaching and Learning in Higher Education,** 5 weeks ongoing.

**POPULAR SCIENCE FEATURES:**

2020 **Länsförsäkringar Newsletter**, interview for science article about ”Our second Brain”

2020-2021 coverage on Nat.Neuroscience, 2021 paper**: >10 national and international news**, **Swedish Scientific Radio** (SR, Vetenskapsradion), **Medical Science KI News Magazine** 2021(#1) 1st on Top List

**DEDUCTABLE TIME:**

*In Total 30 months:*

Jun 2010 - Aug 2011 **Parental Leave**, 15 months; *prematurely ending postdoctoral period.*

Oct 2013 - Jan 2015 **Parental Leave**, 15 months.