

Born 17th May 1967; **Work address** Centre for Molecular Medicine, L8:05, Karolinska University Hospital, 171 76 Stockholm, 08-517-76258, 076-780-8001, Ingrid.Kockum@ki.se

Education in reverse chronological order

PhD in Endocrinology and Genetics, Dept. of Molecular Medicine, Karolinska Institutet, Sweden, supervisor Prof. Åke Lernmark, 1990-1995

BA (2-1 hon.) in Natural Science, Cambridge University, Cambridge, UK . 1986-1989

Postdoc stays

1997 Visiting scientist: Wellcome Trust Center for Human Genetics, Oxford University, UK.

Financier: European Union BioMed program and Swedish Research council

1996, 1998-2001 Department of Molecular Medicine, Karolinska Institutet, *Financier: Juvenile Diabetes Research Foundation International and AMF Jubileefund*

Qualification for readership or equivalent

2007 Associate Professor (Docent) in Genetics

2016 Professor Genetic epidemiology with emphasis on Multiple Sclerosis, Karolinska Institutet (current position).

Employments (other than postdoc and PhD)

2016- Professor, Department of Clinical neuroscience, Karolinska Institutet (100% research)

2014-2016 Research group leader Genetic epidemiology of multiple sclerosis, Department of Clinical Neuroscience, Karolinska Institutet (100% research)

2006-2014 Senior researcher: Department of Clinical Neuroscience, Karolinska Institutet (100% research)

2002-2005 Research group leader: Department of Molecular Medicine, Karolinska Institutet

Career development award; Juvenile Diabetes Research Foundation International (100% research)

2001: Consultant, Arexis, 2001 to develop computer software to manage large genetic datasets (50%)

Breaks in research: Parental leave (2001-2007): equivalent to 27 months @ 100% employment

Research group and projects: My group genetic epidemiology to study mechanisms underlying autoimmunity, with a focus on Multiple Sclerosis (MS). Our projects involve: (i) Identification of genetic and lifestyle risk factors for MS disease progression; (ii) Identification of genetic control of immune response to common viral infections and autotantigens with a role in MS susceptibility; (iii) Investigation of protein biomarkers for use in MS prognosis.

Link: <https://ki.se/en/cns/ingrid-kockums-research-group>.

Supervision and teaching I am currently main supervisor for 2 PhD students and 1 postdoctoral fellows, and two assistant professors, and co-supervisor for 2 PhD students. Former students attaining their theses: 7 as main supervisor and 9 as co-supervisor. I have been involved in organizing 2 doctoral courses and I am actively involved in teaching at doctoral, masters and undergraduate level.

Project funding and publications: In the period of 2013-2021, I have secured ~30 000 000 SEK of funding for activities and positions in my group. I am currently the PI in the EU funded MultipleMS project with 22 partners in Europe and USA. I have been managing the database core at Centrum for Molecular Medicine for 12 years using similar infrastructure to that we will use in WP1 of *PerMedMS*. Total no peer-reviewed original publications: 211 H-index: 41, total no citations: 8080. Full publication list: <https://www.ncbi.nlm.nih.gov/sites/myncbi/1FEr-6daFfBQp/bibliography/40338850/public/?sort=date&direction=descending>

Experience of communicating research findings with stakeholders/end users: Stakeholder forum member in COMBATMS study (2017-2021). I was a founding member of "Life-fun" a group which developed an interactive stage play and hands-on activities for school children to explain genetics (1998-2005).

Awards and distinction Swedish Childhood diabetes Foundation Johnny Ludvigsson Swedish junior diabetes researcher prize. **Member in the examination committee:** 10 half-time PhD evaluations and 8 PhD defenses and one Licentiate defense. **External examiner:** 4 PhD defense at Copenhagen, Aarhus and Uppsala University. I have been a

reviewer of grant applications for the Belgian and Estonian Research councils, the Swiss Multiple sclerosis society, Independent Research Fund Denmark as well as four rounds of internal funding of PhD students at Karolinska Institutet (KID) and for the Lennart Philipson Research Award (2017). **Peer-reviewer** for Brain, Lancet Neurology, Plos Genetics, Journal of Medical Genetics, Diabetes, Diabetes Care, Diabetologia, Diabetic Medicine, Autoimmunity, Breast Cancer Research, BMC genetics, Journal of Internal Medicine, Journal of Clinical Endocrinology and Metabolism, Pediatric Diabetes and Clinical and Experimental Dermatology, Plos One and Virulence. **Scientific program organizing committee member** of the 10th meeting of the Immunology of Diabetes Society 2009, ECTRIMS 2019