

CV

Work address

Ulrika Sjöbom
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Date of birth: 1986-07-11



Qualifications/titles

2016 **Master of Science (1 year) in Biomedical Laboratory Science**, 60 hp, Kristianstad University

Based on following courses:

- Master Thesis in Biomedical Laboratory Science, 30 hp, BMA101- "*Title: Massspectrometric detection and measurement of amyloid-beta peptides in plasma- optimization of immunoprecipitation and analysing by MALDI-TOF and SRM*", supervisor: Erik Portelius
- Supervision in Clinical Training for Biomedical Scientists and Dietitians, 7,5 hp, MED382
- Advanced course in molecular biology methods, 15 hp, BI4020
- Applied Statistics in the Health Sciences, 7,5 hp, ST402M

2013 **Bachelor of Science in Biomedical Laboratory Science**, 180 hp, University of Gothenburg

Licensed Biomedical Laboratory Scientist. Bachelor thesis: Title: "An unique degradation pattern of Amyloid-beta in plasma" Supervisor Erik Portelius

2007 **Bachelor of Science in Equine Science**, 120 hp, Swedish University of Agricultural Sciences

Diploma as Riding instructor at international Level 3.

Work experience

2020 ongoing PhD Fellow University of Gothenburg
Medical Science: The institute of health and care science
Biomedical Science, title: Identification of early factors that predict disease of the eye in preterm infants

2018-2020 Biomedical laboratory scientist University of Gothenburg
*Part-time at "Tillväxtlab" and part-time at Institution of Clinical Science-
The Sahlgrenska Center for Pediatric Ophthalmology department of Pediatrics
Research Institute of Neuroscience and Physiology-
department of Neuroscience and Physiology*

2014 – 2018 Biomedical laboratory scientist Sahlgrenska University hospital, Mölndal
Teamleader for section of Clinical Alzheimer-studies Clinical Neurochemistry

2013 – 2017 Self-employed Ulrika Sjöbom, Kärna
Small business, riding lessons for students with their own horse, (2-3 hours per week)

2012 – 2014 Biomedical laboratory scientist Kungälv's hospital
Temporary employment Clinical Chemistry Lab with transfusion
medicine

2009 – 2013 Riding instructor Gunnebo Ryttarsällskap, Mölndal

PhD courses

- Clinical and experimental ophthalmology, 3 hp
- Teaching and Learning in Higher Education 1: Basic Course, 5 hp, HPE101
- Introduction to Research, 8 hp, SM00018
- R programming, 2 hp, SC00035
- Proteomics, 3 hp, SC00003

Other education

2019	External education <ul style="list-style-type: none"> • “International Lipid School” 	International Society for the Study of Fatty Acids and Lipids (ISSFAL), London
2018	Internal education <ul style="list-style-type: none"> • ”Kurs i laboratoriesäkerhet delkurs 1-4”, • ”Ekonomispelet” 	University of Gothenburg University of Gothenburg
2017	Internal education: <ul style="list-style-type: none"> • “Effektiv Outlook” grundkurs External education <ul style="list-style-type: none"> • ”Grundutbildning i Good Clinical Practice” • ”Professional Development Course Implementing Good Clinical Laboratory Practice 	Region Västra Götaland Gothia Forum, Region Västra Götaland Therqa, Cambridge
2016	Internal education: <ul style="list-style-type: none"> • ”Att leda utan att vara chef inom offentlig sektor” 	Region Västra Götaland
2014	Internal education: <ul style="list-style-type: none"> • ”Good Clinical Laboratory Practice” 	Sahlgrenska University Hospital

Grants

2021

- Handlaren Herman Svenssons forskningsfond – 30 000 SEK
Project: Neurofilament light chain as a biomarker for the prediction of Retinopathy of prematurity

2020

- Drottning Silvias jubileumsfond- 60 000 SEK
Project: Neurofilament light chain as a biomarker for the prediction of Retinopathy of prematurity
- Handlaren Herman Svenssons forskningsfond- 23 200 SEK
Project: EPITOP-Utvärdering av tillgängliga assays för VEGF-koncentrationer hos extremt för tidigt födda barn

2019

- Institutet för biomedicinsk Laboratorievetenskap, 10 000 SEK, travelgrant for jENS congress 2109
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Language skills

Swedish- native speaker
Engelska, proficient
Tyska, basic

Other

Married 2016-07-09, changed surname from Törnqvist till Sjöbom

Manuscripts

Ann Hellström, Aldina Pivodic, L. Granse, Pia Lundgren, **Ulrika Sjöbom**, Anders K. Nilsson, Helena Söderling, Anna-Lena Hård, L. E. H. Smith, Chatarina Löfqvist, 'Association of Docosahexaenoic Acid and Arachidonic Acid Serum Levels With Retinopathy of Prematurity in Preterm Infants', 2021, *Jama Network Open*, 4 (10), e2128771

Tetyana Chumak, M. J. Lecuyer, Anders K. Nilsson, J. Faustino, Maryam Ardalani, Pernilla Svedin, **Ulrika Sjöbom**, C. Joakim Ek, A. Obenaus, Z. S. Vexler, Carina Mallard, 'Maternal n-3 Polyunsaturated Fatty Acid Enriched Diet Commands Fatty Acid Composition in Postnatal Brain and Protects from Neonatal Arterial Focal Stroke', 2021, . *Transl. Stroke Res.* (2021). <https://doi.org/10.1007/s12975-021-00947-9>

Ann Hellström, Anders K. Nilsson, D. Wackernagel, Aldina Pivodic, M. Vanpee, **Ulrika Sjöbom**, Gunnell Hellgren, B. Hallberg, M. Domellof, Susanna Klevebro, William Hellström, Mats Andersson, A. M. Lund, Chatarina Löfqvist, Anders Elfvin, Karin Sävman, I. Hansen-Pupp, Anna-Lena Hård, L. E. H. Smith, D. Ley, 'Effect of Enteral Lipid Supplement on Severe Retinopathy of Prematurity A Randomized Clinical Trial', 2021, *JAMA Pediatrics*, 175 (4), 359-367

Ulrika Sjöbom, William Hellström, Chatarina Löfqvist, Anders K. Nilsson, Gerd Holmström, Ingrid Hansen Pupp, David Ley, Kaj Blennow, Henrik Zetterberg, Karin Sävman, and Ann Hellström. 2021. 'Analysis of Brain Injury Biomarker Neurofilament Light and Neurodevelopmental Outcomes and Retinopathy of Prematurity Among Preterm Infants', *JAMA Network Open*, 4: e214138-e38.

Anders K. Nilsson, Mats X. Andersson, **Ulrika Sjöbom**, Gunnell Hellgren, Pia Lundgren, Aldina Pivodic, Ann Hellström, 'Sphingolipidomics of serum in extremely preterm infants: Association between low sphingosine-1-phosphate levels and severe retinopathy of prematurity.' *Biochim Biophys Acta Mol Cell Biol Lipids*. 2021 Jul;1866(7):158939. doi: 10.1016/j.bbalip.2021.158939. Epub 2021 Apr 20. PMID: 33862236; PMCID: PMC8633973.

Sjöbom, Ulrika, Karin Christenson, Ann Hellström, and Anders K. Nilsson. 2020. 'Inflammatory Markers in Suction Blister Fluid: A Comparative Study Between Interstitial Fluid and Plasma', *Front Immunol*. 2020 Nov 3;11:597632. doi: 10.3389/fimmu.2020.597632. PMID: 33224151; PMCID: PMC7670055.

Nilsson AK, **Sjöbom U**, Christenson K, Hellström A., 'Lipid profiling of suction blister fluid: comparison of lipids in interstitial fluid and plasma'. 2019, *Lipids Health Dis*. Aug 24;18(1):164.

Wellington H., Paterson R. W., Gonzalez A. S., Poole T., Frost C., **Sjobom U.**, Slattery C F., Magdalinou N. K., Lehmann M., Portelius E., Fox N. C., Blennow K., Zetterberg H., Schott J., M., '*CSF neurogranin or tau distinguish typical and atypical Alzheimer disease*', 2018, *Annals of Clinical and Translational Neurology* 5(2):162-171

Portelius E., Zetterberg H., Skillbäck T., **Törnqvist U.**, Andreasson U., Trojanowski JQ., Weiner MW., Shaw LM., Mattson N., Blennow K., '*Cerebrospinal fluid neurogranin: relation to cognition and neurodegeneration in Alzheimer's Disease*', 2015, *Brain*, Nov., 138(Pt 11):3373-85

Wellington H., Paterson RW, Portelius E, **Törnqvist U**, Magdalinou N, Fox NC, Blennow K, Schott JM, Zetterberg H., '*Increased CSF neurogranin concentration is specific to Alzheimer disease*', 2016, *Neurology*, Mar. 1;56(9):829-35

Panee J., **Törnqvist U.**, Westerlund A., Ingelsson M., Lannfelt L., Brinkmalm G., Persson R., Gobom J., Svensson J., Johansson P., Zetterberg H., Blennow K., Portelius E., '*The amyloid-beta degradation pattern in plasma – a possible tools for clinical trials in Alzheimer's disease*', 2014, *Neurosci Lett*, Jun, 24; 573:7-12

Conference contributions

- E-poster “*EPITOP - a Swedish regional Neonatal Biobank with salvaged blood samples from extremely preterm infants*”, jENS congress, online, 2021
- Poster-presentation “*Enteral Supplementation of LCPUFAs to Extremely Preterm Infants in the Prevention of Morbidities – An Interim Analysis of Serum Fatty Acid Levels*” ISSFAL, London, 2019
- Poster-presentation: “*Impact of preeclampsia on circulating biomarker levels in preterm infants*” jENS congress, Maastricht 2019

Teaching merits

Teaching in the bachelor's program in nursing

- Introduction to Science, OM4270, 7.5 hp, supervision and leading seminars, autumn 2020, spring 2021

Supervision of bachelor's theses in Biomedical Laboratory Science

- Co-supervisor together with main supervisor Anders Nilsson for Mia Hosseini, autumn 2019, project: *Fatty acids in red blood cells from the "clot"- compare fattyacids composition in the membrane from red blood cells to the composition from phospholipids in serum from extremely preterm infants supplemented with DHA and AA*. Supervision at lab and input on project plan and thesis
- Co-supervisor together with main supervisor Anders Nilsson for Osman Cismaan, spring 2020, project: *Fatty acids in human breast milk from mothers to wxtremely preterm infants. Compare the composition of fatty acids in brest milk to the composition of fatty acids in phospholipids from extremely preterm infants*. Supervision at lab and input on project plan and thesis