

CURRICULUM VITAE

Alexandra V. Abramsson

CURRENT POSITION

PostDoc, Institute of Neuroscience and Physiology, Sahlgrenska Academy at the University of Gothenburg.

EDUCATION AND SCIENTIFIC MERITS

PostDoc, University of Washington, Seattle, US.	2006
Postdoc, Karolinska Institute, Sweden	2004
Doctor in Medical Science (PhD), University of Gothenburg	2003
Graduate school in Biomedical Research, University of Umeå	1998
Master of science with a major in Molecular biology, University of Umeå	1997

RESEARCH INTEREST

I'm currently investigating the function of genes, known to be involved in the progression of Alzheimer's disease, during the development of zebrafish. More specifically I'm interested in how these genes contribute to create cell patterns, cell-cell interactions and ciliogenesis.

SCIENTIFIC PRODUCTION

Selected publications (see also under Publications for the research team)

Jasmine Chebli, M. R., Tammaryn Lashley, Birgitta Edeman, Anders Oldfors, Henrik Zetterberg and **Alexandra Abramsson**. (2021) Amyloid precursor protein localises to cilia in vertebrates and is required for ciliogenesis and brain development in zebrafish *Scientific Reports* . Accepted.

Mushtaq, M., Kovalevska, L., Darekar, S. D., **Abramsson, A.**, Zetterberg, H., Kashuba, V., Klein, G., Arsenian-Henriksson, M., and Kashuba, E. V. (2020) Cell stemness is maintained upon concurrent expression of RB and the mitochondrial ribosomal protein S18-2. *PNAS*

Banote, R. K., Chebli, J., Satir, T. M., Varshney, G. K., Camacho, R., Ledin, J., Burgess, S. M., **Abramsson, A***, and Zetterberg, H*. (2020) Amyloid precursor protein-b facilitates cell adhesion during early development in zebrafish. *Sci Rep* **10**, 10127

Hedberg-Oldfors, C[#], **Abramsson, A[#]**, Osborn, D. P. S., Danielsson, O., Fazlinezhad, A., Nilipour, Y., Hubbert, L., Nennesmo, I., Visuttijai, K., Bharj, J., Petropoulou, E., Shoreim, A., Vona, B., Ahangari, N., Lopez, M. D., Doosti, M., Banote, R. K., Maroofian, R., Edling, M., Taherpour, M., Zetterberg, H., Karimiani, E. G., Oldfors, A., and Jamshidi, Y. (2019) Cardiomyopathy with lethal arrhythmias associated with inactivation of KLHL24. *Hum Mol Genet* **28**, 1919-1929

Celojevic, D., **Abramsson, A.**, Seibt Palmer, M., Tasa, G., Juronen, E., Zetterberg, H., and Zetterberg, M. (2016) EPHA2 Polymorphisms in Estonian Patients with Age-Related Cataract. *Ophthalmic Genet* **37**, 14-18

Banote, R. K., Edling, M., Eliassen, F., Kettunen, P., Zetterberg, H., and **Abramsson, A.** (2016) beta-Amyloid precursor protein-b is essential for Mauthner cell development in the zebrafish in a Notch-dependent manner. *Dev Biol* **413**, 26-38

Malmquist, S. J., Abramsson, A., McGraw, H. F., Linbo, T. H., and Raible, D. W. (2013) Modulation of dorsal root ganglion development by ErbB signaling and the scaffold protein Sorbs3. *Development (Cambridge, England)* **140**, 3986-3996

Daborg, J., Holmgren, S., **Abramsson, A.**, Andreasson, U., Zetterberg, M., Nilsson, S., Minthon, L., Skoog, I., Blennow, K., Pekna, M., Hanse, E., and Zetterberg, H. (2013) Complement gene single nucleotide polymorphisms and biomarker endophenotypes of Alzheimer's disease. *J Alzheimers Dis* **35**, 51-57

Abramsson, A., Kettunen, P., Banote, R. K., Lott, E., Li, M., Arner, A., and Zetterberg, H. (2013) The zebrafish amyloid precursor protein-b is required for motor neuron guidance and synapse formation. *Dev Biol* **381**, 377-388

Westman-Brinkmalm, A., **Abramsson, A.**, Pannee, J., Gang, C., Gustavsson, M. K., von Otter, M., Blennow, K., Brinkmalm, G., Heumann, H., and Zetterberg, H. (2011) SILAC zebrafish for quantitative analysis of protein turnover and tissue regeneration. *J Proteomics* **75**, 425-434

Abramsson, A., Landgren, S., Zetterberg, M., Seibt Palmer, M., Minthon, L., Gustafson, D. R., Skoog, I., Blennow, K., and Zetterberg, H. (2011) No association of LOXL1 gene polymorphisms with Alzheimer's disease. *Neuromolecular Med* **13**, 160-166
shared first author

*shared last author

RESEARCH STUDENTS

Main supervisor

2019- Maryam Rhamati, Researcher, Main supervisor
2017-2019 Saviz Ehyad, post-doc fellow. Main supervisor
2016 -2017 Magdalena Niklasson, MD student, main supervisor
2016 -2017 Chewar Kadir, 30p master thesis, main supervisor
2016 -2017 Sarah Aljailawi, 30p master thesis, main supervisor
2014 -2015 Hanna Jansson, MD master student, main supervisor
2013 -2017 Rakesh Banote, PhD student, main supervisor.
2013 -2013 Fredrik Möller, MD master student, main supervisor
2010 -2011 Lesya Kovalevskaya and Jenny Krönström, Post doctor fellows.
2009 -2011 Eric Herlin and Emelie Lott, master students.
2007 -2009 Sarah Malmquist PhD student, Seattle USA.
2002 -2003 Magdalena Kegel, Sara Sjöberg, master students.

Co-supervisor

2017- 2021 Jasmine Chebli, PhD student. Co-supervisor.
2015- 2019 Maria Holmström, postdoc
2012- 2016 Carl-Henrik Andersson, PhD student. Co-supervisor