CURRICULUM VITAE – DR. CSABA ADORI

Higher education

Eötvös Loránd University of Sciences, Faculty of Natural Sciences, Budapest, Hungary; Biology; 1995-2000.
Eötvös Loránd University of Sciences, Faculty of Natural Sciences, Budapest, Hungary; Biology PhD Program; 2000-2003.

Qualification

Biologist; specification: cell-, development- and neurobiology; 2000.
PhD-degree: Cell Biology, 2008. Dissertation: Localization of the components of ubiquitin-proteasome-system on control and neurodegenerative neuronal tissue

Postgraduate courses and exchange programs

(i) Workshop on Stereology, University of Aarhus, Denmark, September 2005. (Organized by BRAIN-NET Europe)
(ii) Workshop on Laser Capture Microdissection (LCM), Centre de Pahologie et de Neuropathologie Est Hospices Civils de Lyon, Lyon, France, March, 2007 (organized by BRAIN-NET Europe)
(iii) Course in laboratory animal science, Karolinska Institutet, September, 2010.
(iv) Nicholson Exchange Program between the Rockefeller University and the Karolinska Institutet - learning the iDISCO 3D immuno-imaging technique (Tessier-Lavigne lab, Rockefeller University, New York), June-July 2015.
(v) Tissue clearing and light sheet microscopy; Institute LaVision Paris, France, March 2017.

Places of work

(i) Eötvös Loránd University of Sciences, Faculty of Natural Sciences, Department of Anatomy, Laboratory of Neurodegeneration, Hungary, Budapest (Head of laboratory: Dr. Lajos László); 2000-2003. PhD-student
(ii) Hunfalvy János Economic Secondary School, Budapest, Hungary; 2001-2003. Teacher of biology
(iii) National Institute of Neurology and Psychiatry, Laboratory of Neurochemistry and Neuropsychopharmacology, Budapest, Hungary (2004-2007). Research assistant
(iv) Semmelweis University, Institute of Pharmacodinamics/Pharmacotherapy, Budapest, Hungary (2007-2010) Postdoc
(v) Karolinska Institutet Department of Neuroscience (from 2010-). Postdoc, then Stuff researcher, then Research affiliate (current).
(vi) Stockholm University Department of Molecular Bioscience – the Wenner Gren Institute (from 2023-) Researcher (current).

Teaching activity

(i) Preparatory courses for university (biology), Eötvös Loránd University of Sciences; 1995-2002).
(ii) Courses on Comparative Anatomy (Eötvös Loránd University of Sciences, Department of Anatomy); (2000-2003).
(iii) Biology for secondary school students (Hunfalvy János Economic Secondary School, Budapest, Hungary); (2001-2003).

Major research topics

(i) Role of heat shock proteins and the ubiquitin-proteasome-system in neurodegeneration (Eötvös Loránd University of Sciences, Department of Anatomy, 2000-2004)
(ii) Morphological examination of neurotoxicity caused by MDMA (ecstasy) and exploring the regenerative processes of monoaminergic fibers (2003-2010)
(iii) Role of MCH/orexin-system in the regulation of sleep (2008-2010)
(iv) Role of autoantibodies in the etiopathology of narcolepsy (2011-2014)
(v) Studies on the neuropeptide S systems in the human pons and in the rat brain (2010-2015)

(vi) Studies on the role of somatostatin receptor 2 in the maintenance of monoamine systems – with implications to Alzheimer's disease (2011-2015)
(vii) Volume imaging studies on the hepatic sympathetic (noradrenergic) nerves in nonalcoholic fatty liver disease (from 2017)
(viii) Exploring the human connectome in Alzheimer's-type dementia with the 3D immuno-imaging technology iDISCO, with special attention to the noradrenergic locus coeruleus and its projections (from 2016)
(xix) Studying human heart synuclein pathology in Lewy body dementias with 3D immuno-imaging and light sheet microscopy (from 2024)

Methods known

(i) Routinely used: immunohistochemistry (also on paraffin embedded tissue; double labeling, confocal microscopy), morphometry techniques; Western-blotting; in situ apoptosis detection (TUNEL); ELISA, in situ hibridization with radiolabeled oligo/riboprobes, iDISCO+ volume immuno-imaging and light sheet microscopy with Imaris image analysis
(ii) Known techniques but not routinely used: real time PCR; pre- and postembedding electron microscopy, laser capture microdissection

Awards

(i) National Scientific Conference for University Students: first prize in Anatomy section (2000).
(ii) Eötvös Loránd University of Sciences, Faculty of Natural Sciences: „Excellent Student of the Faculty" (2001).
(iii) IX. Conference on Cell- and Developmental Biology, Hungary, Debrecen: 'Best Poster' (2001).
(iv) ECNP Workshop on Neuropsychopharmacology for Young Scientists in Europe, Nice, France: 'Best poster' award in preclinical session (2012).
(v) 'Publication of the Year' award – International Society of Alzheimer's Research (ISTAART) (Neuromodulatory Subcortical Systems professional research area) (2023).
(vi) Lennart Nilsson award for microscopic imaging (2024).

Other merits

(i) Organized conference: Tissue Clearing and Light Sheet Microscopy – International Workshop, 5-7 September 2017, Stockholm, Karolinska Institutet – main organizer.
(ii) Member of the 'Young Scientist Advisory Board' of the President of Hungarian Scientific Academy (2007-2010).
(iii) Leader of the student committee organizing preparatory courses for the ELTE University, Hungary (1999-2001).

Memberships

(i) European College of Neuropsychopharmacology (ECNP)
(ii) Society for Neuroscience (SfN)
(iii) Hungarian Society of Neuropathology
(iv) Alzheimer's Association (ISTAART)
(v) Cell Transplant and Regenerative Medicine Society (CTRMS)
(vi) European Federation for Studying Diabetes (EFSD)

Own grant support

Lars Hiertas Foundation, Sweden, 2013, 2014, 2015 (3 x 50,000 SEK)
Karolinska Institutet Gerontology Foundation, Sweden, 2015 (100,000 SEK)
Rut & Arwid Wolff Foundation, Sweden, 2015 (100,000 SEK)
Swedish Brain Foundation (Hjärnfonden), Sweden, 2015-16 (#FO2015/0143; 1,000,000 SEK)
Olle Engkvists Foundation, Sweden, 2016 (#2016/246; 700,000 SEK)
Åhlens Foundation, Sweden, 2016 (150,000 SEK)
Swedish Dementia Foundation (Demensfonden), Sweden, 2017 (30,000 SEK)
Åhlens Foundation, Sweden, 2023 (150,000 SEK)
Stohnes Foundation, Sweden, 2023 (50,000 SEK)
Parkinson Foundation, Sweden 2023 (#1465/23; 200,000 SEK)
Elly Berggrens Foundation, Sweden, 2025, 2026 (500,000; 400,000 SEK)