

Curriculum Vitae

Name: Péter Sántha MD, Ph.D.

Date of birth: 31 January, 1971

Place of birth: Kecskemét, Hungary

Nationality: Hungarian

Institutional affiliation: University of Szeged, Faculty of Medicine,
Department of Physiology

Education: Albert Szent-Györgyi Medical University Szeged, Hungary 1989 - 95
Medical Doctor degree (summa cum laude) 1995

Foreign languages: English, German

Postgradual education: Albert Szent-Györgyi Medical University 1995 - 99
Postgradual Ph.D. Training Program, Neuroscience subprogram
19th European Stereology Course of the ISS 2001
FENS/IBRO Summer School: Peripheral Nervous System 2003

Scientific degree: Phylosophical Doctor (Ph.D.) 2000
Title of the thesis: Neurogenic modulation of cutaneous vascular reactions by galanin

Habilitation: Implications of TRPV1, isulin, galanin and GM1 receptors in the functions of chemosensitive primary nocieptive neurons 2008

Positions: Postgraduate Ph.D. fellow, at Department of Physiology, Albert Szent-Györgyi Medical University 1991 - 95
Research associate at Max Planck Society, W.G. Kerckhoff Institute, Bad-Nauheim, Germany 1996, 1998
Assistant lecturer, at Department of Physiology, University of Szeged, Faculty of Medicine 1999 -
Visitor scientist, at Department of Surgery Anaesthtics and Intensive Care, Imperial College 2004-05

Memberships:	London, London, United Kingdom Hungarian Society of Physiologists Hungarian Society of Neuroscientists European Neuropeptide Club Hungarian Pain Society	
Fellowships and research grants:	Georg von Békéssy Postdoctoral Fellowship, Ministry of Education Hungary	2001-04
	Marie Curie Intra-European Fellowship European Commission 6th Framework Programm	2004-05
	Marie Curie European Reintegration Grant European Commission 6th Framework Programm	2006
	János Bolyai Postdoctoral Fellowship Hungarian Academy of Sciences	2007- 10 2012-
	Research Grant of the Zsigmond Diabetes Society Hungarian Academy of Sciences	2007
	Postdoctoral Research Grant The Hungarian Scientific Research Fund (OTKA)	2008-11
	János Bolyai Postdoctoral Fellowship Hungarian Academy of Sciences	2012-15
Awards:	„Joó Ferenc Award” of the Joó Ferenc Foundation	1998
	Best Poster Award, European Forum of IASP Chapters, Nice, France	2000
	Junior Researchers Award of Hungarian Society of Physiologists	2001
	Best Poster Award, 11th Annual Conference of Hungarian Society of Neuroscientists	2007
	„Ivánovics György” Medal, Faculty of Medicine, University of Szeged	2012
Scientific interests:	Neurobiology of the capsaicin sensitive primary sensory neurons Role of membrane gangliosides and lipid microdomains in the regulation of the chemosensitivity of primary nociceptive neurons The role of injury-induced morphological reorganisation of the neuronal connections in the spinal dorsal horn in the development and maintenance of chronic pain Effects of capsaicin and related endovanilloids on the axonal transport of	

chemosensitive primary sensory neurons

Central and peripheral actions of sensory neuropeptides

Research experience: Immunohistochemistry, neuronal tracing studies, in-situ hybridization, ultrastructural studies

Wide field and confocal fluorescent microscopy, digital imaging, stereology based quantitative morphometry

Cell and tissue culturing (primary sensory neurons), *in vitro* functional assays (cobalt uptake, neuropeptide release), whole cell voltage clamp measurements

Laser Doppler Flowmetry and LD Imaging, quantitative measurement of inflammation-induced plasma protein extravasation (Evans blue dye extraction, microcapillary perfusion, vascular labeling techniques)