

**Professor Eva Syková, MD, PhD, DSc**



Prof. Eva Syková, M.D., Ph.D, D.Sc., graduated from Medical faculty Charles University in Prague. Since 1983 she was a head of scientific group and later of Department of Neuroscience at Czech Academy of Sciences. Since 2001 to 2016 she was the Director of the Institute of Experimental Medicine, Academy of Sciences of the Czech Republic, an EU Centre of Excellence, and the head of the Center for Cell Therapy and Tissue Repair at Charles University, Prague, Czech Republic. She has published 367 full-length papers in peer-reviewed journals, 39 book chapters, is the author of 1 book and the co-editor of 4 books. Her publications have been cited more than 11483 times; her h-index = 62. She is a co-holder of 9 patents.

She has given more than 100 invited lectures and seminars at foreign universities and international conferences and has co-organized 20 international meetings, congresses and 4 teaching workshops. She received numerous scientific awards are the prizes including Presidential State Award of 1<sup>st</sup> Degree for her contribution to the field of Science. She has been elected a member of Academia Europea. She served on the editorial boards of 6 international journals and as a member of the executive committees of a number of Czech and international scientific societies and boards e.g. FEPS, IBRO, ISN, Academia Europea, DANA, DABI. Since 2005 to 2016 she has been the Chairperson of the Czech Neuroscience Society and Chairperson of Czech Society for Gene and Cell Therapy.

She is one of the founders of Bioinova Ltd. and Scimed Biotechnologies Ltd. Currently, she is a CEO Research and Development in Scimed Biotechnologies and is also employed at the Institute of Neuroimmunology of the Slovak Academy of Sciences, where she deals with research projects of the treatment of Alzheimer's disease, spinal cord injury and ALS. She is a member of the Board of Experts of the Czech Management Association.

The scientific interests of Professor Syková include both basic and clinical research, particularly role of extrasynaptic transmission, nanoparticles for cell imaging, biomaterials, polymer scaffolds, extracellular matrix, glial cells and stem cells for treatment of brain and spinal cord injury and neurodegenerative diseases as Alzheimer's disease and amyotrophic lateral sclerosis. She published numerous publications about migration and fate of embryonic and adult stem cells using MRI and iron-oxide nanoparticles, about the use of hydrogels and nanofibers as tissue bridges and 3D stem cell carriers, as well as the differentiation and role of stem cells in the rescue and replacement of damaged tissue. She has been research coordinator of 4 clinical studies using stem cells.