



Effie (Photini) C. Tsilibary, MD PhD

Dr. Effie (Photini) Tsilibary, MD from the Medical School of the University of Athens, PhD from the Medical School of the University of California, San Francisco (UCSF), has a career of over 20 years in the USA. After completing her PhD studies, she was Postdoctoral Fellow at UCSF And then Research Associate at Harvard and Yale Universities, followed by Assistant and then tenured Associate Professor at the Medical School of the University of Minnesota, Department of Laboratory Medicine and Pathology, in Minneapolis. In Greece she was Research Director for 8 years, and then General Director, of the Institute of Biosciences and Applications of NCSR Demokritos for 12 years. Since 2017 she has been appointed as Adjunct Associate Professor of the Department of Neurosciences of the Medical School of the University of Minnesota, doing research through today at the Brain Sciences Center of the Veterans Administration / VA Medical Center in Minneapolis (http://brain.umn.edu/mbr_Tsilibary_EC.html). Dr. Tsilibary is internationally acknowledged for her contribution to research related to connective tissue proteins (type IV collagen, enzymes-collagenases), having unraveled molecular mechanisms of their functions as well as molecular mechanisms of their modifications which lead to several common diseases mainly focusing on diabetic nephropathy, Alzheimer's disease, etc. Her research results led to obtaining 9 international patents. In the last decade her research focuses in determining molecular mechanisms involved in dysfunction and apoptosis of neuronal cells in pathological conditions accompanying dementia, with the development of innovative cell culture systems as well as experimental animal models. Moreover she developed a new experimental animal model protected from the development of Alzheimer through genetic modification by specific overexpression of the collagenase /matrix metalloproteinase MMP-9 in the brain.

She has received a large number of grants from the USA (NIH, American Diabetes Association, Juvenile Diabetes Foundation, Minnesota North Star Foundation, Minnesota Medical Foundation, κλπ.) the EE (JRC/IPTS-INCO, COST Action, etc.), (General Secretariat for Research and Technology/GSRT, Programs "Excellence", "Collaboration", etc.) as well as from companies (Bristol Myers Squibb, ABBOTT/ABBVIE, NOVONORDISC, κλπ.) surpassing €5,000,000. She has over 110 publications in international peer-reviewed scientific journals, and until March 2021 her h-Factor was 36 (Web of Science) /44 (Google Scholar), and she had 3,665 (web of science) / 7,869 (Google Scholar) citations.

