

Društvo za istraživanje materijala Srbije

Materials Research Society of Serbia

Belgrade, February 15, 2024

Dear Colleagues,

It is our great pleasure and honor to nominate **Prof. Dr. Vladimir P. Torchilin** for the 2024 MRS-Serbia Award for a Lasting and Outstanding Contribution to Materials Science and Engineering. Dr. Torchilin is a member of the International Advisory Board of MRS-Serbia and a very loyal participant as a Plenary speaker at many of our YUCOMAT Conferences. Prof. Torchilin is an internationally renowned scientist in the area of Pharmaceutical Biotechnology and Nanomedicine and including his name on the list of laureates would certainly contribute to the affirmation of MRS-Serbia award.

Vladimir P. Torchilin, Ph.D., D.Sc. is a University Distinguished Professor and Director at the Center for Pharmaceutical Biotechnology and Nanomedicine at Northeastern University, USA, from 2005. This Center aims to host and coordinate research in pharmaceutical nanocarriers, controlled drug and gene delivery, drug and intracellular targeting, experimental medical imaging, cancer immunology and also to train young researches in these areas. He is also Director at the Center for Translational Cancer Nanomedicine from 2010.

Dr. Torchilin was awarded a Master of Science in Polymer Chemistry from Moscow State University in 1968. In 1971 he received his Ph.D. in Chemical Kinetics and Catalysis from Moscow State University and in 1980 he became Doctor of Science in Bioorganic Chemistry at the same University in Russia. Since 1985 he is also a Professor in Bioorganic Chemistry, Chemistry of Natural and Physiologically Active Compounds.

His Academic Appointments spread over seven prestige institutions, including Harvard Medical School, Lomonosov Institute of Fine Chemical Technology in Moscow and University of California, San Diego. He had many hospital appointments as well, such as Senior Researcher at USSR Cardiology Research Center in Moscow in his early days and later as Associate Chemist at Massachusetts General Hospital (MGH) in Boston, MA and also as Associate Director at the Center for Imaging and Pharmaceutical Research, MGH, Boston, MA. He was a visiting professor at many distinguished institutions, such as University of South Paris in France, University of Mainz in Germany, Assoreni Co. in Italy and Massachusetts General Hospital in Boston, USA.

During his very productive years as a leading scientist in the field, Dr. Torchilin has received many accolades, and here we will mention just some of them, among almost thirty. Lenin Prize in 1982, the highest scientific award in the former USSR; Innovation Award from Northeastern University in 2002; ATOMS Research Excellence in Mentorship Award, National Institute of General Medical Sciences in 2003; Research Achievements Award from the World Pharmaceutical Congress, Amsterdam in 2007; International Journal of Nanomedicine Distinguished Scientist Award in 2009; Blaise Pascal Medal in Biomedicine from the European Academy of Sciences in 2013; Albert Nelson Marquis Lifetime Achievement Award in 2017. Most recently, in 2023, dr. Torchilin was recognized as a Clarivate Citation Laureate, an annual list of likely Nobel Prize winners. He was nominated for the development of innovative drug and gene targeting and delivery methods.

Also, Dr. Torchilin was an honorable guest to various prestigious events either as a Chair, Key-note speaker, President, Plenary speaker or similar. He was engaged as a member of the Editorial Board and

as a Referee in more than 60 different Journals. As a multi-award-winning scientist, he was often invited to participate in the Grant and Proposal Reviews for different respectable institutions, academies, universities and foundations. In his long academic career, he had mentored more than 50 PhDs and 100 MS and participated in numerous Committees for Ph.D. and D.Sc. Thesis.

He is a member of many notable societies, such as American Chemical Society, American Association of Pharmaceutical Scientists, International Liposome Society and Controlled Release Society. He is a co-founder and Consultant at different laboratories, pharmaceutical and medical companies, like Oncologic Biopharmaceuticals, MitoVec Inc, Labopharm Inc, Nemucore Medical Innovations etc.

He was included in organizing, steering, advisory and Program Committee for almost 50 Symposiums, Congresses and Conferences, so here we will name just a few, 1st International Conference on Polymer Therapeutics, London, UK 1996, 3rd International Symposium on Frontiers in Biomedical Polymers, Shiga, Japan, 1999, 3rd Symposium on Nanomedicine and Drug Delivery, Baltimore, 2005. International Conference on Smart Materials, Aceriale, Italy, 2008, 20th International Microencapsulation Symposium, Boston, USA, 2015 (Chairman) and many more.

Active in scientific research for more than 50 years, Dr. Torchilin major research interests are polymeric drugs, macromolecular drugs, DNA, imaging agents, artificial phospholipid membranes, polymeric micelles, immunomicelles tumoricidal antibodies and many more, from which we can conclude that he dedicated his life to improving people's health, quality of life and well-being.

His research activities have garnered over \$22 million in funding from national, state, industry, and private sponsors. He has published more than 400 Original Papers, more than 200 Reviews, Chapters and Editorials, 23 Books and Special Journal Issues. His contribution includes 64 patents and almost 400 invited lectures presented worldwide on different subjects. Dr.Torchilin's work is highly cited, with 91214 citations in total and an h-index of 133 as of February 2024.

Dr. Torchilin is the person of many interests and talents. Beside his passion for chemistry, developed at an early age, he is also a renowned art and book collector and the published author of nine fiction novels. His impressive collection consists of various artifacts, paintings, ceramics and books, mostly from the famous Russian publishing house Academia from the 1920s and 30s.

The proposers for nomination for Prof. Dr. Vladimir P. Torchilin are:

Dragan Uskoković

Slobodan Milonjić

Velimir Radmilović

Dejan Raković

Djordje Janacković

Vuk Uskoković

Please be so kind and send us your opinion concerning nominated candidate for the 2024 MRS-Serbia Award.

We are looking forward to hearing from you.