

Education

- 1997 Visiting professor of Neuroscience, International School for Advanced Studies, Trieste, Italy
- 1996 Professor of Microbiology and Immunology, Institute of Neuroimmunology, Slovak Academy of Sciences (SAS), Bratislava
- 1995 Associate professor of Microbiology and Immunology, University of Veterinary Medicine and Pharmacy in Košice
- 1994 DrSc. in Life Sciences, Institute of Virology, Slovak Academy of Sciences, Bratislava
- 1978 PhD. in Immunology, University of Veterinary Medicine and Pharmacy, Košice
- 1971 DVM. in the field of Veterinary Medicine, Cum laude, University of Veterinary Medicine and Pharmacy, Košice

Present and Previous Positions

- From 1996 Director (founder) of the Institute of Neuroimmunology of the Slovak Academy of Sciences, Dúbravská cesta 9, 845 10 Bratislava, Slovakia
- 1994 - 1999 International School for Advanced Studies, Department of Molecular Neurobiology, Trieste, Italy (external scientific and lecturing cooperation on international scientific projects)
- 1980 - 1995 Senior Scientist, Institute of Virology, Dúbravská cesta 9, 842 45 Bratislava, Slovakia
- 1990 - 1994 MRC Laboratory of Molecular Biology, Cambridge, England (Neurobiology/Immunology-related scientific and lecture stay, cooperation with Nobel Prize winners Sir. A. Klug, Cesar Milstein and John Walker)
- 1989 Department of Psychiatry, University of Cambridge, Cambridge, England; 6 months (scientific and lecture stay with Sir. Martin Roth)
- 1988 MRC Laboratory of Molecular Biology, Cambridge, England; 6 months (scientific and lecture stay), cooperation with Nobel Prize winner Cesar Milstein
- 1985 - 1987 MRC Laboratory of Molecular Biology, Cambridge, England (Scientific stay - cooperation with Nobel Prize winners Prof. C. Milstein and Sir A. Klug) (visiting fellow of the Royal Society of London)
- 1978 - 1980 Scientist, Helminthological Institute (Institute of Parasitology) SAS, Hlinkova 3, 040 01 Košice, Slovakia
- 1971 - 1978 Assistant Professor, University of Veterinary Medicine and Pharmacy in Košice, Department of Microbiology, Immunology and Animal Hygiene (University of Veterinary Medicine and Pharmacy in Kosice), Slovakia

Fields of Scholarship

- Neuroscience
- Immunology and microbiology
- Medical science
- Alzheimer's disease
- Neurodegenerative diseases
- Tau protein and tauopathies
- Animal models
- Development of drugs and vaccines
- Brain and molecular biology of CNS disorders

Teaching activities

- **Summary of scientific education:**
- PhD. students: 103
- Associate Professors: 3
- Professors: 2
- Doctors of Science: 6

Memberships

Membership in Scientific Organizations:

- ICGEB International Centre for Genetic Engineering and Biotechnology – *Governor of Slovak Republic*
- Joint Programme - Neurodegenerative Disease Research (JPND) – *Slovak representative, member of the Management Board*
- Slovak Alzheimer's Association – *chairman (founder)*
- Slovak Society for Neurosciences – *chairman (co-founder)*
- Slovak Immunological Society – *chairman*
- Neuroimmunological section of Immunological Society - *chairman*
- Memory Foundation – *founder, chairman of board*
- National centre for genetic engineering and biotechnologies – *chairman*
- European Neuroscience Schools Programme (FENS schools) – *chairman*
- Slovak Society for Pharmacology – *honorary member*
- Croatian Science Foundation – *member of the Scientific Board*
- Federation of European Neuroscience Societies - *member of the board*
- International Brain Research Organization – *member of the board*
- Slovak research and development agency (SRDA) – *member of the Committee for Medical Sciences*
- Slovak Gerontology and Geriatric Medicine Society – *member*
- Slovak Medical Society – *member*
- Scientific Board of the University of Veterinary Medicine and Pharmacy, Kosice – *member*
- The Learned Society of the Slovak Academy of Sciences - *member*
- Cajal Club – *member*

- American Association for the Advancement of Science – *member*
- Czechoslovak Society for Microbiology – *member*
- European Federation of Immunological Societies – *member*
- International Union of Immunological Societies – *member*
- The New York Academy of Sciences – *member*
- European Dana Alliance for the Brain – *member*
- Society for Neuroscience – *member*
- International Society for Neurochemistry – *member*
- Alzheimer’s Disease International – *member*
- International Society to Advance Alzheimer Research and Treatment – *member*
- The American Association of Immunologists – *member*
- The Scientific Committee for Biomedicine and Health – *member*
- International Society for Neurochemistry – *member*
- International Cytokine Society – *member*
- International Scholar of Howard Hughes Medical Institute – *member* (1995-2000)
- The Alzheimer's Association – *member*
- International Union of Immunological Societies (IUIS) – *member*
- International Society of Pteridinology – *member*

Membership of the Slovak Academy of Sciences Scientific Board

- Scientific Board for Molecular Biology and Genetics – *member*
- SAS Scientific Board for Medical Sciences – *member*

Board membership in VEGA

- Committee for Molecular and Cellular Biology – *member*

Membership in the advisory forum of the National Council, Government and ministries of the Slovak Republic:

- Accreditation Committee, advisory body of the Government of the Slovak Republic
- Expert Advisory Board of the Scientific Council of the Ministry of Health of the Slovak Republic
- Committee of the Agency of the Ministry of Education for structural funds of EU - *voting member* (2005)

Membership in the councils of national programs and sub-programs of ŠPVV a ŠO National Program Council:

- A comprehensive solution for support and effective use of R & D infrastructure – *member*
- Strategic working group for Health and Food in the Field of Biological and Medical Sciences – *representative of the Slovak Republic*
- National R & D Program Council – *member*
- Review board for evaluation of: “Building of Centre of excellence in the field of biotechnology ‘Biotechnological Centre of SR’ (BITCET)” – *member*
- The Committee for the Research and Development State Programme of the Slovak Republic – *member*

Membership in editorial boards of international and national scientific journals:

- Folia Veterinaria - *member of editorial board*

- Cellular and Molecular Neurobiology - *member of editorial board*
- Journal of Alzheimer's Disease - *member of editorial board*
- Bratislava Medical Journal – International Journal for Biomedical Sciences and Clinical Medicine - *member of editorial board, Scientific Editor*
- Review Editorial Board in Journal: Frontiers in Neurodegeneration - *member of editorial board*
- Brain Aging - *member of editorial board (2002-2005)*
- Alzheimer's Reports - *member of editorial board (2002-2005)*
- Bratislava Medical Journal – *member of editorial board and scientific editor (from 2002)*

Other important positions and achievements

- 1988 discovery of the truncated tau protein, the key pathological molecule in Alzheimer's disease
- 1993 - 1995 director, International Centre for Molecular Neurobiology and Immunology at the Slovak Academy of Sciences, Bratislava
- 1994 founder of Memory Foundation
- 1996 founder of the Institute of Neuroimmunology of the Slovak Academy of Sciences
- 1997 director, Governor of Slovak Republic for International centre for Genetic Engineering and biotechnology ICGEB UNO
- 1997 - 1998 member of the Government Council for Science and Technology
- 1998 founder of the Slovak Alzheimer's society
- 2001 director of the National reference laboratory of the Slovak Republic for TSE
- 2002 - founder of Memory Centre (preventive, diagnostic, educational institution and a detached branch of the Institute of Neuroimmunology), from 2005 a part of the Centre of Excellence
- 2005 - co-founder of Slovak Society for Neuroscience
- 2007 - 2011 member of Scientific Committee of Medical faculty of Comenius University in Bratislava
- 2010 reviewer of German projects focused on degenerative diseases for "German Competence on Degenerative Dementia", Bundesministerium für Bildung und Forschung
- 2010 - external reviewer of application for grant, OP Research and Development, Agency of the Ministry of Education of SR for EU Structural Funds (ASFEU) 2010 – Slovak representative for the 7th EU Framework Programme project "Coordination Action in support of the implementation of a Joint Programming Initiative for Combating Neurodegenerative Diseases, in particular Alzheimer's disease - JUMPAHEAD "(JPND)
- 2011 - 2015 Slovak representative in EU project „Alzheimer Cooperative Valuation in Europe – ALCOVE” responsible for the evaluation of the whole project
- 2011 member of the Government Council for Research and development
- 2011 - Slovak representative in the Strategic Working Group on Health and Food in Life and medical sciences in the ESFRI infrastructures

- 2011 - 2015 Head of the “Centre of Excellence for Brain Research (Brain Centre) of the Slovak Academy of Sciences”
- 2013 German project reviewer for the German Federal Ministry of Education and Research (BMBF): "Independent Research Groups in the Neurosciences"
- 2014 representative of the Slovak Republic in States Representative Group (SRG) for initiative of research and development IMI 2 (Innovative Medicines Joint Undertaking 2)
- 2015 evaluator of research projects submitted in an open call of Slovak Research and Development Agency
- 2016 author of the Slovak National Program to Combat Alzheimer’s Disease

Awards

- 1982 Award of the Presidium of Slovak Academy of Sciences for: Preparation and characterization of the hybridoma cell line producing monoclonal antibodies against tick-borne encephalitis
- 1985 Laureate of National Prize of Slovak Republic for Medicine: Development of method of hybridization for making monoclonal antibodies against viral and cellular antigens
- 1994 Slovak Academy of Sciences award for the best results of the year “Discovery of a new pathological form of tau protein in Alzheimer's disease”
- 1998 Ľudovít Holuby award for life sciences
- 1996 - 2000 International member of Howard Hughes Medical Institute, USA Maryland
- 2000 Award for scientific and specialized literature, as a co-author monograph “Biochemistry: Ferenčík M., Škárka B., Novák M., Turecký L.,” awarded by the Section for scientific and specialized literature and computer programs of the Literary Fund.
- 2001 Slovak Academy of Sciences (SAS) outstanding reward for science and research work, awarded by the Slovak Academy of Sciences to a team of employees from the Institute of Neuroimmunology and Department of Microbiology and Immunology, University of Veterinary Medicine and Pharmacy in Košice; prof. DVM. Michal Novak, DSc., Prof. DVM. Jaroslav Vrtiak Otto, DSc., Prof. DVM. Ivan Mikula DSc. and DVM. Ludmila Tkáčiková, PhD., for solving problems in research on neurodegenerative diseases in human and animals and lethal diseases - transmitted from animals to humans.
- 2007 Gold medal of Slovak Academy of Sciences
- 2007 Doctor Honoris Causa - The University of Veterinary Medicine and Pharmacy in Kosice
- 2009 Honorary Award „Heart without borders“ – Bratislava municipality
- 2009 Gold Biatic 2008 – informal economic forum Economic club
- 2008 Gold Medal of the University of Veterinary Medicine and Pharmacy in Kosice
- 2009 Aurel Stodola’s Medal from the Slovak University of Technology – STU Alumni club
- 2014 Garnet Immunoglobulin - Czech Immunological Society
Garnet immunoglobulin is the highest award given by the Czech Immunological Society to Czech and foreign immunologists as an expression of thanks for their contribution to immunology. This prestigious award was awarded to professor MVD Michal Novák, DSc. for the establishment and development of Neuroimmunology in "Czecho-Slovakia".

- 2016 Award of Slovak Academy of Sciences – for the establishment of neuroimmunology as a new scientific discipline in Slovakia, for solving scientific and research tasks of fundamental scientific interest and for creating conditions for scientific work in life sciences.
- 2016 World Health Organization (WHO) Prize - Prize for Research in Health Care for the Elderly and in Health Promotion, Geneva
- 2017 Gold Medal of the University of Veterinary Medicine and Pharmacy in Košice
- 2017 Gold Medal of the Slovak Medical Association – credit for the development and progress of the Slovak Medical Association
- 2017 Hall of Fame of Neurosciences – The Slovak Neuroscience Society established the Hall of Fame of Neurosciences for distinguished scientists for their life-long contribution to the development of the Slovak neurosciences. In 2017 entered the Hall of Fame Prof. Michal Novak, who introduced the issue of the Alzheimer’s disease in Slovakia. Prof. Michal Novak established a number of institutions and scientific societies, which conduct research, introduce modern diagnostic methods into practice and inform the public about the gravity of the disease.

Grants and projects:

• Summary of all grants and projects

- International 21 e.g. Human Frontiers Science Program (HFSP),
Howard Hughes Medical Institute Program
- National 96 e.g. Slovak Research and Development Agency (APVV)

Participation in conference organizing committees; chairman of conference sessions - 31

• Summary of all participations

- International 18
- National 13

Active participation in conferences – invited lectures

• Summary of all attended conferences

- International 81
- National 39

Selected publications according to the Web of Science

• Scientometric indicators (WOS, February 2020)

- Number of full text publications 162
- Total citations 6771
- Hirsch index 38