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Vice-Rector for Development

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Education and Academic Degrees

- **DrSc** Oncology, Charles University, 2000
- **CSc** Medical Chemistry and Biochemistry, 1st Faculty of Medicine, CU, 1990
- **MUDr** General Medicine, Faculty of General Medicine, CU, 1986
- Appointed **Professor** at CU in the field of Biochemistry and Pathobiochemistry, 2002
- **Habilitation** in Medical Biochemistry, 1st FM CU, 1996
- **Clinical Specialization:** Board Certification in Internal Medicine 1995

Employment, Academic and Professional Career

- 2025 – present Head of the Institute of Biochemistry and Experimental Oncology, 1st FM CU, Prague
- 2007 – present Head of the Institute of Biochemistry and Experimental Oncology, 1st FM CU, Prague
- 2002 – present Professor of Medical Chemistry and Biochemistry, Institute of Biochemistry and Experimental Oncology, 1st FM CU
- 2020 – 2023 Vice-Dean for International Relations, 1st FM CU
- 2020 - 2021 Deputy Minister of Health
- 2012 - 2020 Dean, 1st FM CU, Prague
- 2005 – 2012 Vice-Dean for Grants and Development, 1st FM CU, Prague
- 2002 – 2014 Head of Tumour Cell Biology Laboratory (joint unit of IMG CAS and 1st FM CU)
- 1997 - 2001 Associate Professor of Medical Chemistry and Biochemistry, 1st Institute of Medical Chemistry and Biochemistry, 1st FM CU.
- 1999 – 2002 Senior scientist Procter & Gamble, Corporate R&D Europe, Schwalbach Technical Center, Germany and Cincinnati USA
- 1996 – 1999 Scientist, Procter & Gamble, Corporate R&D Central Europe, Praha
- 1994 – 1995 Institut Curie, Unite 365, Paris, associate scientist (Association du Recherche et Partage, France) 6 months;
- 1993 – 1999 Institute of Experimental Medicine CAS, Researcher
- 1993 - 1999 Resident, Emergency Physician, 1st Internal Clinic, University Hospital, 1st FM CU
- 1992 - 1993 Visiting Scientist (12 months) a Visiting Professor (6 months), Institute of Differentiation and Mutagenesis, CNR, Pisa, Italy
- 1987 - 1991 Researcher, Research Institute of Tuberculosis and Respiratory Diseases, Prague

Courses

- 1989 Int. Union Against Tuberculosis and Lung Diseases: Applied Immunology and Histochemistry; Berlin
- 1995 EMBO: Methods in Cell Biology; Epithelial cell polarity. Heidelberg
- 1999 Lifescience Partnering Forum. Institute of Management, Germany, Heidelberg 1999
- 2000 Creative Problem Solving, ? CSF Group Buffalo; Brussels

Scientific and Healthcare Projects

- Investigator of numerous national and international grant projects (e.g. Grant Agency of Czech Republic, Internal Grant agency of Ministry of Health, Czech Health Research Council, Ministry of Health, Bilateral grant of Italian CNR-1st.Faculty of Medicine, Charles University, Prague) etc, Co-investigator of several international projects (e.g. 6FP SSA No 512153, Lifescihealth –1, NHR Dev Tox, EU Biomed), member of the Executive board of EATRIS-cz consortium, Operational Programme RDE Ministry of Education, Youths and Sports project “Centre of Cancer Ecology”,

- Organizer and lecturer of Europe Against Cancer 4EU+ Summer Schools (Sorbonne, Warsaw, Mariánské Lázně)
- Head of the National Institute for Cancer Research, Project no.: LX22NPO5102 governing body: Ministry of Education, Youth, and Sports of the Czech Republic, financed by the European Union – Next Generation EU as part of the Czech Recovery Plan

Roles in Doctoral Study Programs

- Guarantor of doctoral studies “Experimental and Clinical Oncology” at Charles University
- So far supervisor of 9 PhD graduated students, consultant-supervisor of 1 PhD graduate, others in progress
- Member of Area Boards in Biochemistry and Pathobiochemistry (CU) and Molecular Medicine (Palacký University)

Memberships in Institutions, Expert Panels, Scientific Councils(selected)

- 2023 – present Member, Horizon Europe Programme Committee – EU Mission on Cancer
- 2023 – present Member, European Association for Neuro-Oncology (EANO) General Board
- 2023 – present EANO Scientific Committee
- 2021 – present Deputy Coordinator, Oncology Science Area Council, Cooperatio CU
- 2019 – present Member, Scientific Board of Grant Agency of Czech Republic (GAČR)
- 2019 – present Member, Scientific Board of Masaryk Memorial Cancer Institute, Brno
- 2018 – 2020 & 2022 Member, Scientific Board of Ministry of Health of CR
- 2017 – present Chair, Ministry of Health of CR Committee for Institutional Support of Research
- Organizations
- 2017 – present Member, Editorial Board of Drugs & Forensics Bulletin, National Drug Enforcement Agency
- 2016 – present Member, Scientific Board of AGEL (provider of health care services in CR)
- 2015 – present Member, Czech Medical Academy (FCMA)
- 2014 – present Member, Scientific Board of CU
- 2011 – present Chair and Founding Member, Neuro-Oncology Section of COS JEP
- 2020 – 2021 Member, Committee for Healthcare Research Strategy (approved by Government of CR)
- 2014 – 2021 & 2023 Member, Presidium of the Czech Health Research Council
- 2020 – 2021 Member, National Crisis Management Team of CR
- 2020 – 2021 Member, EC ad hoc group ERAvsCORONA
- 2018 – 2020 Member, Guarantee Commission for Clinical Guidelines Project
- 2017 – 2019 Member, Scientific Board, Aesculap Academy BBraun, Prague
- 2017 – 2023 Member, Scientific Board of the Faculty of Medicine, Masaryk University
- 2017 – 2020 Founding Chair, Association of Deans of Medical Faculties in CR
- 2013 Expert Panel Member, “Health Protection and Promotion” – National Priorities of Research, Development and Innovation
- 2012 – present Member, Scientific Board of 1st FM CU
- 2012 – 2016 Member, Internal Grant Agency Scientific Board, Ministry of Health of CR
- 2006 – 2008 Chair, GAČR Subcommittee 301
- 2005 – 2007 Member, GAČR Subcommittee 301
- 2005 – 2008 Member, GAČR Medical Sciences Committee
- 1996 – 2000 Expert Group Member, Parliamentary Subcommittee for Science and Higher Education
- Member of the Monitoring Committee and Scientific Board of CU Infrastructure Development Project "Kampus Albertov"
- Board Member, Biotechnology and Biomedicine Center in Vestec BIOCEV (EU Structural Funds Project)
- Executive Board Member, EATRIS Infrastructure
- Expert reviewer for domestic and international grant agencies and journals
- Expert witness in litigation case '13CV1346 DMS NLS – UNITED STATES DISTRICT COURT SOUTHERN DISTRICT OF CALIFORNIA, regarding gliptin use risks, USA

Awards

- 2020 Gold Medal of CU
- 2017 Silver Medal of CU
- 2016 Arnošt of Pardubice Award – for outstanding contribution to education at CU, Prague
- 2015 Bedřich Hrozný Award for Creative Act – CU, Prague
- 2015 Award of the Board of CLS JEP for best book publication
- 2013 Award of the Czech Society for Oncology for best publication
- 2011 Medal of the 1st Faculty of Medicine, CU
- 2005 Award for best publication, Czech Rheumatology Society
- 1992 Gold Medal, World Invention Exhibition EXPO '92

International Collaborations(selected, publication- and project-based only)

University of Palermo (Italy), University of Antwerp (Belgium), SUNY – Dept. of Medicine/Medical Oncology (USA), ExxonMobil (Belgium), Harvard Medical School/Dana-Farber Cancer Institute (USA), Ferring Research Ltd (UK), Probiobdrug AG (Germany), Sorbonne University, Nencki Institute Warsaw, University of Adelaide (Australia), Stanford University

Professional Focus

- Biochemistry, Cell Biology, Experimental Oncology; Regulation and Signaling of Cell Proliferation and Differentiation; Membrane Proteases and Non-Hydrolytic Functions; Proteases in Cancer Diagnostics and Therapy; Advanced Models in Cell Biology; Innovative Diagnostic and Therapeutic Oncology Concepts
- Approximately 130 IF publications (mostly first or corresponding author), ~3000 citations (WoS), h-index 25; numerous invited lectures, including plenary sessions (Finland, Germany, USA, Japan, Netherlands, Slovenia, UK, Greece, etc.)
- President of the 20th Congress of the European Association for Neuro-Oncology, 2025
- Co-author of multiple patents, including international ones
- Monographs and Book Chapters (editor and author; e.g., Glioma Cell Biology, Springer Scientific, CRC Press, Technet, etc.); Editor of Special Issues: Frontiers in Bioscience (2019), Frontiers in Oncology – "Diffuse Glioma Microenvironment: Insight into Cancer Ecology" (2021)
- Experience in Academic and Industrial Research Management, Technology Transfer, Intellectual Property Protection, and Public-Private Partnerships in Biomedical Research and Education (medical and non-medical), laboratory medicine, doctoral studies in biomedicine