

Curriculum Vitae

Professor Aleksi Šedo, M.D., Ph.D., D.Sc. *18 June 1961, Helsinki, Finland

Education, grades

D.Sc. Oncology, Charles University, Prague, 2000
Ph.D. Medical chemistry and biochemistry, 1st Faculty of Medicine, Charles University, Prague, 1990
M.D. General medicine, 1st Faculty of Medicine, Charles University, Prague, 1986

Clinical specialization: Internal medicine, Board exam 1995

Habilitation/associate professor (medical chemistry) 1996

Full professorship (biochemistry and pathobiochemistry) 2002

Professional career

2007 – now Head of The Institute of Biochemistry and Experimental Oncology, 1st Faculty of Medicine, Charles University, Prague
2002 – now Professor of Medical Chemistry and Biochemistry, Institute of Biochemistry and Experimental Oncology,
2020–2023 Vice-dean of the 1st Faculty of Medicine, Charles University, Prague
2020–2021 Deputy Minister for Health, Czech Republic
2012 - 2020 Dean of the 1st Faculty of Medicine, Charles University, Prague
2005 – 2012 Vice-dean of the 1st Faculty of Medicine, Charles University, Prague
2002 – 2014 Head of the Joint Laboratory of Cancer Cell Biology of the 1st Faculty of Medicine and the Institute of Physiology of Academy of Sciences of Czech Republic
1997 - 2001 Assoc. Professor of Medical Chemistry and Biochemistry, 1st Institute of Biochemistry, 1st Faculty of Medicine, Charles University, Prague
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, Prague
1994 – 1995 Institut Curie, INSERM, Unite 365, Paris, associate scientist (Association du Recherche et Partage, France) 6 months
1993 – 1999 Institute of Experimental Medicine, Academy of Sciences of Czech Republic, scientist
1993 - 1999 Physician 1st Clinic of Internal Medicine, Faculty Hospital of Charles University, Czech Rep.
1993 - 1996 Assistant Professor of Biochemistry, 1st Institute of Medical Chemistry and Biochemistry, 1st Faculty of Medicine, Charles University, Prague
1992 - 1993 Subsequently Visiting Scientist (12 months) and Visiting Professor (6 months), Institute of Differentiation and Mutagenesis, CNR, Pisa, Italy
1987 - 1991 Research associate, Institute of Respiratory Diseases, Prague, Czech Republic

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

Awards:

- Gold medal of The World Exhibition of Inventions EXPO '92,
Gold Medal of Charles University 2020
Best scientific publication: Czech Society of Rheumatology, 2005, Czech Oncology Society 2013, Czech Medical Society 2015 etc.

Board member, reviewer, expert opinions, membership:

- 2023 – now Member of the Horizon Europe Programme Committee, EU Mission on Cancer
2023 - now Member of European Association for Neuro-Oncology Executive Board
2019 - now Member of Scientific Board of Grant Agency of Czech Republic
2019 - now Member of Scientific Board of the Masaryk Memorial Oncology Institute, Brno
2018 – 2020 a 2022 - Member of the scientific board of Ministry of Health of Czech Republic
2017 - now Chairman of the Commission of the Ministry of Health of the Czech Republic for institutional support for long-term conceptual development of a research organizations
2017 – now Member of Scientific Board of Drugs & Forensics Bulletin, Czech Republic
2016 – now Member of Scientific Board of AGEL (Health care provider in Central Europe)
2015 - now Fellow of the Czech Medical Academy (FCMA)
2014 – now Member of the Scientific Board of the Charles University in Prague
2012 - now Member of Scientific Board of 1st Medical Faculty, Charles University
2011 - now Head and founder of the Neurooncology Section of the Czech Society for Oncology.
2020 – 2021 Member of the Commission for the preparation of the Concept of Medical Research (the Concept approved by the Government of the Czech Republic)
2014–2021 a 2023 - Member of the Board of the Czech Health Research Council
2020–2021 Member of the Central Crisis Staff of the Czech Republic (Covid-19 epidemy)
2020–2021 Member of ad hoc expert group EC ERAvsCORONA
2017–2019 Member of Scientific Board of Aesculap Academy BBraun
2017–2023 Member of Scientific Board of Medical Faculty of Masaryk Univ Brno
2017 - 2020 Head and founder of Czech Association of Deans of Medical Faculties
2013 Member of the Expert Panel "Protection and Promotion of Human Health" for the preparation of the National Priorities of Research, Experimental Development and Innovation of the Czech Republic
2012–2016 Member of Scientific Board of the Grant Agency of Ministry of Health, of Czech Republic

2005-2008 Member of panels of Grant Agency of Czech Republic
1998-2000 Member of the expert group of Czech Parliament subcommittee for Science and Universities
Member of the Boards of Doctoral Studies “Biochemistry and Molecular Biology” and “Experimental Oncology” of Charles University, 7 PHD students graduated

Selected grants, 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”, 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

Past and running collaborations: Universities Palermo, Antwerpen, SUNY, Stanford, Marbourg, Sorbonne, Harvard Medical School, Dana Farber Cancer Institute, Ferring Research Ltd, Southampton, UK, Probiodrug AG, Germany, ExxonMobil

Scientific interests, expertise:

Biochemistry, Cell biology, cell proliferation/differentiation, regulations, signaling, experimental oncology/neurooncology, proteolytic enzymes in diagnostics and therapy. Several years’ experience in industrial research, technology transfer. Numerous papers in the field in international peer-reviewed journals (mostly first or corresponding author), books, book chapters special issues (author, editor, Springer Scientific, CRC Press, Technet etc). Invited/plenary lectures on conferences in the field (Finland, Germany, USA, Japan, Netherland, GB, Slovenia, Greece, Singapur atd.) co-authorship of local and international patents, Hirsch Index 22, Expert role in litigation Cause '13CV1346 DMS NLS – UNITED STATES DISTRICT COURT SOUTHERN DISTRICT OF CALIFORNIA – gliptins.