

Assoc. Prof. Dr. Karel Volenec, PhD.

Curriculum Vitae

karel.volenec@ellacs.eu

Professional background

ELLA-CS, s.r.o.

(till 2007 – Dr. Karel Volenec – ELLA-CS company)

Period	1992 to present
Job position or performed functions	<i>Since 2020 Executive Head of Company, CEO 2016 – 2020 Executive Head of Company, Head of Research and Development Department 2007 – 2016 Executive Head of Company, Director of the company 1992 – 2007 Executive Head of Company Dr. Karel Volenec – ELLA-CS</i>
Main work activity and area of responsibility	<i>Company management, Project management, Team management Research tasks, educational activities in the medical devices field</i>
Type of business or sector	<i>Development, production and worldwide sales of special medical devices – implants.</i>

Schering – Plough, USA

Period	1992 – 1994
Job position or performed functions	<i>Internal assistant of the company in the area of biotechnologies</i>
Main work activity and area of responsibility	<i>Coordination of post-marketing clinical trials with interferon alfa-2b, head of clinical group</i>
Type of business or sector	<i>Biotechnology</i>

Faculty of Medicine, Charles University, Hradec Králové	
Period	1976 to present
Job position or performed functions	1990 to present <i>External worker in solving scientific tasks / External teaching at the department of biophysics</i> 1976 – 1990 <i>Main solver of development assignments VP and V-4</i> <i>Number of defended research reports: 9</i>
Main work activity and area of responsibility	<i>Pedagogical and scientific research experience</i> <i>Project management, team management, PVS and diplomats management</i> <i>External teaching at UCT, Prague</i>
Type of business or sector	<i>Education, scientific research</i>
Education, specialized training	
Period	1999
Highest achieved qualification	1. Associate professor 2. Senior research worker 2a, ČSAV
Main subjects / Professional experience	<i>Biophysics, radiobiology</i>
Name and type of organization providing the education	<i>Jan Evangelista Purkyně Military Medical Academy (VLA JEP), Hradec Králové</i> <i>(1970 to 1975: Charles University, Faculty of Pharmacy in Hradec Králové (FaF UK, Hradec Králové)</i> <i>1975 to 1981: RNDr. - Charles University, Faculty of Pharmacy in Hradec Králové (FaF UK Hradec Králové)</i> <i>Jan Evangelista Purkyně Military Medical Academy (VLVDÚ JEP) / Faculty of Medicine in Hradec Králové (LFUK Hradec Králové), Ph.D.</i>
Period	1981
Achieved qualification	<i>Ph.D. studies of Biological Sciences in the field of biophysics, Ph.D.</i>
Main subjects/ Professional experience	<i>Biophysics</i>
Name and type of organization providing the education	<i>Jan Evangelista Purkyně Military Medical Academy (VLVDÚ JEP), Hradec Králové</i>
Period	1975
Achieved qualification	<i>Faculty of Pharmacy of Charles University graduate Master of Pharmacy (PhMr.), achieved with honors</i> <i>Doctor of Natural Science (RNDr.)</i>

Main subjects/ Professional experience	<i>Pharmacology</i>
Name and type of organization providing the education	<i>Faculty of Pharmacy, Charles University, Hradec Králové, Charles University Prague</i>
Other experience, knowledge, skills	
	<i>Degree obtained within the Czechoslovak Academy of Sciences (CSAV): Independent researcher 2a</i>
Mother tongue	<i>Czech</i>
Knowledge of English	<i>Excellent</i>
Knowledge of Russian	<i>Very good</i>
Knowledge of Italian	<i>Passive</i>
Experience with project evaluation	<i>Evaluation of Continuous and Final reports of VÚ Processing of expert opinions of diploma thesis</i>
Top awards	
	<i>Quality Ambassador of the Czech Republic 2025</i> <i>Top Czech Quality 2010, NPMF, Prague</i> <i>WQC International Star Award, Gold category, 2011, Paris</i> <i>Czech Patron 2011, HK Czech Rep., Prague Czech Head</i> <i>2012, MPO Czech Rep.</i> <i>Technology entrepreneur of the year CR, 2012, Ernst & Young, USA</i> <i>The Absolute Winner of the Czech Innovation 2013</i> <i>Honorable mention AVDZP, 2013, 2015, Brno</i> <i>Top 10 Innovation EU, European Business Awards 2014/2015, RSM,</i> <i>London</i> <i>Company of the Year 2014 in the Hradec Králové region,</i> <i>Vodafone, HN, Hradec Králové</i> <i>Workplace Health Promotion III.st., 2017, MZd, Prague Safety</i> <i>Enterprise, 2014, 2015, 2016, 2018 State Office of Labor</i> <i>Inspection, Opava, Czech Rep.</i> <i>National Winner - Innovation – EU, European Business Awards</i> <i>2017/2018, Warsaw</i> <i>Management Excellency Award, 2018, TOP100, Prague</i>
Unique developed products used in medical treatment worldwide	
	<i>Hussey-Volenec HV stent</i> <i>Danis stent- worldwide unique</i> <i>Biodegradable GIT stent – worldwide unique</i>

Publications	
Total number of scientific publications	<i>Author of 39, 29 publications of abstracts; Co-author of 68, 22 publications of abstracts</i>
Total number of scientific lectures and posters	<i>Author of 90 Co-author of 70</i>
Total number of patents and design of patents	<i>29</i>
Additional information	
Long-term internships abroad	<i>Italy, 1981; Netherlands, 1986 and 1990; Belgium, 1986; Russia, 1987; Brazil, 1998</i>
Professional Affiliations	
Memberships in Czech Scientific Societies and other Organizations	<i>Member of the Doctoral Board UK – Applied Physics and Mathematics in Medicine and Pharmacy 2025</i> <i>Honorary membership in Czech Medical Association, Prague – since 2003</i> <i>Departmental council for doctoral program Medical Biophysics, Faculty of Medicine, Charles University in Prague</i> <i>Chairman of the Council for Commercialization of Research and Development Rector of Charles University, Prague</i> <i>Member of the Club of innovative companies Czech Head</i> <i>Member of the Czechimplant cluster</i> <i>Member of the Research, Development and Innovation Council (RVVI) Hradec Králové region (KHK)</i> <i>Member of NIP RV (national innovation platform)</i> <i>Member of the Academic Council of Faculty of Life Sciences, University of Hradec Králové</i> <i>Member of the Academic Council of Charles University, Faculty of Medicine in Hradec Králové</i> <i>Member of the Academic Council of Charles University, Faculty of Pharmacy in Hradec Králové</i> <i>Chairman of the Commission for the Commercialization of Charles University</i> <i>Member of the Commission for the Commercialization of the Czech Academy of Sciences</i> <i>Member of the Council for Commercialization FN and UHK</i> <i>Member of the advisory group to the R&D Representative of the Government Health Office of the Czech Republic</i>

Previous Memberships in Czech Scientific Societies	<i>Chairman of the Board of the AVDZP association, Brno - ended 4/2019</i> <i>Member of Association of Manufacturers and Suppliers of Medical Devices board AVDZP, Brno – membership ended in 2020</i> <i>Czech organization of Radiation, Oncology, Biology and Physics ČLS JEP</i> <i>Radiobiological Society ČLS JEP – until 2009</i> <i>Czech Society of Biomedical Engineering, Czech Association of Scientific and Technical Societies (ČSVTS) – until 1992</i>
Previous Memberships in International Scientific Societies	<i>European Society for Radiation Biology – ESRB</i> <i>Society of Cardiovascular and Interventional Radiology – SCVIR</i> <i>The European Society for Hyperthermic Oncology - ESHO</i>