

FUNDING APPLICATION

Section C – CV Template

C.1 CURRICULUM VITAE

Personal information

Name, Surname:	IOAN STEFAN FLORIAN		
Date of birth:	24.03.1961	Sex:	M
Nationality:	Romanian		
Researcher unique identifier(s) (ORCID, Researcher ID etc.):	ORCID: 0000-0001-7127-0946, Brainmap ID: U-1700-028J-5402 Web of Science ResearcherID: D-5934-2016		
URL for personal website (if case):	-		

Education

Year	Faculty/department - University/institution - Country
2001 (dissertation defended)	Ph.D. - "Iuliu Hatieganu" University of Medicine and Pharmacy, Cluj-Napoca, Romania; <i>The neurosurgical treatment of the pituitary adenomas</i>
1997 - 2000	Neurosurgery Course - EANS (European Association of Neurosurgical Societies), France, Barcelona/Spain, Madeira/ Portugal, Southampton/ Great Britain.
1986	M.D. degree , "Iuliu Hatieganu" Institute of Medicine and Pharmacy, Cluj-Napoca, Romania.

Positions - current and previous

(Academic sector/research institutes/industrial sector/public sector/other)

Year	Job title – Employer - Country
2008-present	Member of Academy of Medical Sciences;
2007 - present	Professor – Department of Neurosurgery, "Iuliu Hatieganu" University of Medicine and Pharmacy, Cluj-Napoca
2006 - 2012	Vice Dean - "Iuliu Hatieganu" University of Medicine and Pharmacy, Cluj-Napoca
2012 - 2020	President of the Senate of the "Iuliu Hatieganu" University of Medicine and Pharmacy, Cluj-Napoca
2006 - present	Member of the Senate of the "Iuliu Hatieganu" University of Medicine and Pharmacy, Cluj-Napoca
2002 - present	Head of the Department of Neurosurgery , Cluj County Emergency Hospital, Cluj-Napoca

Career breaks (if case)

Year	Reason
-	N/A

Project management experience

(Academic sector/research institutes/industrial sector/public sector/other. Please list the most relevant.)

Year	Project title - Role – Funder – Budget – link to project webpage
2023-2026	Romania's Recovery and Resilience Plan, Component 12 - Health, Investement 2: Development of the Public Health Infrastructure, Project no. 1160448215 - " Recompartamentalization of the existing building and expansion with a new body - Neurosurgery Clinical Department - Vasculo-Cerebral Pathology and Neurosurgery Center at Cluj-Napoca County Emergency Clinical Hospital ", Total Budget: 230.734.270,56 RON - Project director, link to project wesite
2020-2023	" Regional Register of Cerebro-Spinal Pathology, REGIOPaCS " - COP (The Competitiveness Operational Programme)/398/1/ / The development of networks of CD centers, coordinated at national level and connected to European and international networks and ensuring researchers' access to scientific publications and European and international databases - SMIS Code: 124831; Total budget: 4.999.633,00 RON – Partner leader, link to project website
2020-2022	National Grant, PN-III-P2-2.1-PED-2019-1387 – " Development of a device for sustained and controlled delivery of ruxolitinib in patients with glioblastoma " - Project director, 600000 RON, link to project website
2016-2018	The prognostic and predictive significance of molecular markers in high-grade gliomas with high recurrence potential ", "Iuliu Hatieganu" Grant 4944/4/08.03.2016, project investigator, 159000 LEI, link to the project webpage
2008-2011	IDEI Project, " Evaluation of the therapeutic combined effect of the temozolomide and of the antiangiogenic factors on the immortalised cellular lines of multiform glioblastoma " - Project code: 1161 - Project Manager, 999000 RON, link to project website
2008-2011	MEDPROT Grant, Evaluation of the therapeutic combined effect of the calpam inhibitors and of the tropical muscular factors in traumatic lesions , project director, 287000 LEI, link to the project webpage
2006-2008	" Hilfe fur Wasserkopfkind in Rumanien "(HWKR) 2006 Program, project manager, County Authorities for Social Assistance and Child Protection, 290000 EURO, link to the project webpage
2007-2010	CEEX-IMAN 2005 Research Contract, Module 1 P-CD, " Network of Innovative Manufacturing ", project manager, 340000LEI, link to the project webpage
2004-2005	World Bank Program RO 4658, " Consulting services for the planning and reglementation of the health services system – GVG 2004 ", project manager, link to the project webpage
2001-2003	PHARE 2001 Economic and Social Cohesion Program, " Program for the Implementation of the home care system " RO 0108.03.03, partner leader, 290000 EURO, link to the project webpage

Other relevant professional experiences

(e.g. institutional responsibilities, organisation of scientific meetings, membership in academic societies, review boards, advisory boards, committees and major research or innovation collaborations, other commissions of trust in public or private sector)

Year	Description - Role
	<i>International:</i>
2023-2025	Parliamentarian of the World Federation of Neurosurgical Societies (WFNS)
2021-2023	Chairman of the Cerebrovascular Disease and Therapy Committee of the World Federation of Neurosurgical Societies (WFNS)
2019-2021	Member of the Constitution & Bylaws Committee of the World Federation of Neurosurgical Societies (WFNS)

2017-2019	<u>Second Vice President at large</u> of the World Federation of Neurosurgical Societies (WFNS)
2014-present	<u>President</u> of Euroacademia Multidisciplinaria Neurotraumatologica (EMN)
2012-2014	<u>General Secretary</u> of Euroacademia Multidisciplinaria Neurotraumatologica (EMN)
2017-present	<u>Vice President</u> of SouthEast European Neurosurgical Society (SeENS), <u>Chairman</u> of Education Committee of SeENS
2013-present	Ambassador , Romanian Chapter of Walter Dandy Neurosurgical Society (WDENS)
2013-present	Member of the World Federation of Neurosurgical Societies (WFNS)
2013-present	Senior Member of the World Academy of Neurological Surgery (WANS)
2013-present	Active Member of the International Academy of Neurosurgical Anatomy (IANA)
2013-present	Individual member of the European Association of Neurosurgical Societies (EANS)
2013-present	International Member of the Congress of Neurological Surgeons (CNS)
2013-present	International Fellow of the American Association of Neurological Surgeons (IFAANS)
2013-present	Individual Member of the European Association of Neurooncology (EANO)
2013-present	Individual Member of the European Academy of Science and Arts (EASA)
	<i>National:</i>
2010-2012, 2016-2018, 2023-present	<u>President</u> of the Romanian Society of Neurosurgery
2012-2014, 2018-2020	<u>Past President</u> of the Romanian Society of Neurosurgery
2002-2010, 2014-2016, 2021-2023	<u>Vice President</u> of the Romanian Society of Neurosurgery
2022-present	<u>Full Member</u> of the Romanian Academy of Medical Sciences
2016-2022	<u>Corresponding Member</u> of the Romanian Academy of Medical Sciences
2016	Founding Member of the Romanian Neuro-Oncology Society
2017	Founding Member of the Society for the Study of Neuroprotection and Neuroplasticity
2017	Founding Member of the Romanian Society of Plastic and Reconstructive Microsurgery
2017	Founding Member of the Romanian Brain Council
2017	Founder of Romanian Spina Bifida and Hydrocephalus Association (ARSBH)
2017	President of the Scientific Committee of ARSBH
2017	Honorary Member of the Romanian Minimal Invasive Neurovascular Group
2018-present	<u>President</u> of the Neurosurgery Committee of the Romanian Ministry of Health
2018-present	<u>President</u> of the Mixed Commission for the Recognition of Titles of Neurosurgeon Medical Doctor issued by third countries, other than Australia, Canada, Israel, New Zealand and the USA
2022-present	<u>Member</u> of the Multidisciplinary Commission of the Romanian Ministry of Health for the Certification of the Interventional Treatment of the Acute Ischaemic Stroke through Thrombectomy
2012-2024	The Romanian German Course - <u>Course Co-President</u>
2008-2024	The Neurosurgical Masterclass - <u>Scientific Coordinator</u>
2022	Cerebrovascular Disease - A Multidisciplinary Approach - WFNS Symposium 2022 - <u>Symposium President</u>
2018	Award: “Iuliu Hatieganu Great Prize” , awarded by the University of Medicine and Pharmacy "Iuliu Hatieganu" Cluj-Napoca, Romania
2015	Award: “Excellence in Health” Prize , awarded by the Romanian Ministry of Health
2015	Award: “Honor for Cluj” , awarded by the County’s Prefecture

2012	Award: “Honor Best Five Oral Papers” - “Glioblastoma Stem Cells - A New Paradigm in Multimodal Treatment” - 9 th Asian Congress of Neurological Surgeons, Istanbul, Turkey
2012	Award: “Surgeon of the Year” Award - Health Care Gala - Bucharest, Romania
2011	Award: “Carol Davila” Award for Medical Sciences - given by the Romanian Academy of Scientists for the contribution of the <i>Neurosurgery Treatise (vol 2)</i> , Medical Publishing House Bucharest, 2011
2011	Award: Professor Bologna Award – offered by the National Association of Student Organisations (ANOSR)
2007	Award: “Ion Chiricuta” Award , offered by the University of Medicine and Pharmacy "Iuliu Hatieganu" Cluj-Napoca, Romania
2004	Award: “Sanitary Merit Order, Rank of Commander” , awarded by the President of Romania, Ion Iliescu

C.2 Track record of the last 10 years

1. Patent application no. A/00444/25.07.2022 – “ *Procedure For Obtaining A Device For Prolonged And Controlled Delivery Of Ruxolitinib In Glioblastoma*”; Inventors: **Florian Ioan-Ștefan**, Șuşman Valeriu-Sergiu, Ede Bodoki, Sorițău Olga, Peștean Petru-Cosmin, Florian Ioan-Alexandru, Iacob Bogdan-Cezar, Băraian Alexandra-Iulia, Buruiană Andrei - Applicants: University of Medicine and Pharmacy "Iuliu Hatieganu" Cluj-Napoca, Cluj County Emergency Clinical Hospital, Oncological Institute "Prof. dr. I. Chiricută" Cluj-Napoca
2. Balaci, GM; Oslobanu, A; Major, ZZ; David, RE; Iepure, M; Hancu, D; Popa, AM; **Florian, IS**, *Assessing the Efficacy of Anastomosis between Ansa Cervicalis and Facial Nerve for Patients with Concomitant Facial Palsy and Peripheral Neuropathy*. Journal Of Personalized Medicine, Volume: 13, Issue:1, Article Number:76, DOI: 10.3390/jpm13010076, Published: JAN 2023, Indexed: 2023-02-23, Document Type: Article (FI - 2021: 3.508, FI pe 5 ani: 4.005)
3. Florian, IA ; Buruiana, A; Timis, TL ; Susman, S ; **Florian, IS** ; Balasa, A ; Berindan-Neagoe, I *An Insight into the microRNAs Associated with Arteriovenous and Cavernous Malformations of the Brain*, CELLS, Volume: 10, Issue: 6, Article Number: 1373, DOI:10.3390/cells10061373, Published: JUN 2021, Indexed: 2021-07-05, Document Type: Review
4. Timis, TL ; Florian, IA ; Susman, S ; **Florian, IS**, *Involvement of Microglia in the Pathophysiology of Intracranial Aneurysms and Vascular Malformations-A Short Overview*, International Journal Of Molecular Sciences, Volume: 22, Issue: 11, Article Number: 6141, DOI: 10.3390/ijms22116141, Published: JUN 2021, Document Type:Review
5. Morosanu, CO ; Filip, GA ; Nicolae, L ; **Florian, IS**, *From the heart to the bladder-particularities of ventricular shunt topography and the current status of cerebrospinal fluid diversion sites*, NEUROSURGICAL REVIEW, Volume: 43, Issue: 3, Pages: 847-860, DOI: 10.1007/s10143-018-1033-2, Published: JUN 2020, Document Type: Review
6. Iaccarino, C; Kolias, A ; Adelson, PD ; Rubiano, AM ; Viaroli, E ; Buki, A ; Cinalli,; Fountas, K ; Khan, T ; Signoretti, S ; Waran, V ; Adeleye, AO ; Amorim, R ; Bertuccio, A ; Cama, A ; Chesnut, RM ; De Bonis, P ; Estraneo, A ; Figaji, A ; **Florian, SI** ; et. al. *Consensus statement from the international consensus meeting on post-traumatic cranioplasty*, ACTA NEUROCHIRURGICA, DOI: 10.1007/s00701-020-04663-5, Early Access: DEC 2020, Document Type: Review
7. Susman, S; Pirlog, R; Leucuta, D; Mitre, AO; Padurean, VA; Melincovici, C; Moldovan, I; Crisan, D; **Florian, SI**, *The role of p-Stat3 Y705 immunohistochemistry in glioblastoma prognosis*
Authors: DIAGNOSTIC PATHOLOGY, Volume: 14, Issue: 1, Article Number: 124, DOI: 10.1186/s13000-019-0903-4, Published: NOV 5 2019, Document Type: Article

8. Banc, A; Stan, C; Berghe, AS; Drugan, TC; **Florian, IS**, *Modeling Neurodegeneration in Patients with Visual Pathway Tumors by Retinal Optical Coherence Tomography*, WORLD NEUROSURGERY, Volume: 117 Pages: E341-E348, DOI:10.1016/j.wneu.2018.06.032, Published: SEP 2018, Document Type: Article
9. Aldea, M; Potara, M; Soritau, O; **Florian, IS**; Florea, A; Nagy-Simone, T; Pileczki, V; Brie, I; Maniu, D; Kacso, G, *Chitosan-capped gold nanoparticles impair radioresistant glioblastoma stem-like cells*, JOURNAL OF BUON Volume: 23 Issue: 3 Pages: 800-813, Published: MAY-JUN 2018, Document Type: Article
10. Carmignani, M.; Volpe, A. R.; Aldea, M.; et al. (**Florian, Ioan S**), *Glioblastoma Stem Cells: A New Target for Metformin and Arsenic Trioxide*, Journal Of Biological Regulators And Homeostatic Agents, Volume: 28, Issue: 1, Pages: 1-15, Published: JAN-MAR 2014, Document Type: Editorial Material

C.3 Narrative CV

In addition to the remarkable surgical clinical activity both quantitatively and qualitatively (over 800 neurosurgical interventions per year in the last 10 years), a constant concern has been scientific research in multiple fields of neurosurgery and translational medicine. Starting from a series of clinical observations, I proposed and coordinated **10 research projects that have been pioneering** in the field of studying malignant brain gliomas on glioblastoma stem cell cultures, the impact of different therapeutic agents on them, new therapeutic modalities and nanovectors for treatment, new surgery methods for brain implantable devices, aspects related to genetics and development of brain diseases that so far do not have an effective therapeutic solution. Congenital and acquired hydrocephalus has been another area of interest, seeking both pathophysiological explanations and therapeutic solutions. The concern for providing suitable conditions for work, research and education led after an effort of 15 years to **coordinate as the project manager a unique investment as a concept, a structure to provide neurosurgical medical services "all in one" for neurosurgical patients** from birth to the elderly, from acute vascular or traumatic pathology to oncological, spinal degenerative or neurodegenerative pathology. The investment, which represents the largest investment in the region in the medical field in the last 50 years, ensures also optimal conditions for training and education in the field of neurosurgery through the facilities it offers. In parallel, I developed and I **coordinated 10 clinical studies** in the field of traumatic craniocerebral pathology, cerebral vascular pathology, studies that have been reflected by a series of international publications, some of which are reference works with multiple citations. I also participated in other **35 research projects** as a team member in the fields of glioblastoma pathogeny and management, the role of surgery in intracranial aneurysms, surgical management of intracranial malformations, pituitary adenomas management, traumatic brain injury, new biocompatible materials and methods for cranioplasty, hydrocephalus management.

My research activities results were materialized in over 90 published scientific papers (Web of Science), author/ co-author of 10 books, author/ co-author of 57 chapters in books or treatises.

In this project I will participate into the tasks about neural implantable system (T.2.1, T.2.2, T.2.3, T5.1), development of blood-brain-barrier (BBB)-on-chip models (T4.3), artificial implantable retina (T6.1), new ideas and new projects (T6.2), dissemination, communication and exploitation (T7.1, T7.2, T7.3), management and Ethics (T8.1, T8.2, T8.3), setting up and management of the Centre of Excellence (T1.1 – T1.4). In my research activity, I had previous fruitful interdisciplinary collaborations with collectives from some partners in this project (UMFT, SUUB and SCUB) and these will contribute to the efficiency of this **project consortium for carrying out its activities and achieving its objectives**.

Note: For each nominated person, please present the CV (uploaded as a single document of maximum 6 pages, saved with the name of the member, A4 format, Times New Roman font, 11-point font size, 1.15 line spacing and 2 cm margins).