

CURRICULUM VITAE

Ioannis Karampelas, MD FAANS

American Board of Neurological Surgery Certified

Surgical Neuro-oncology Fellowship Trained Neurosurgeon

2025

May

PERSONAL DETAILS:

FIRST NAME	Ioannis
LAST NAME	Karampelas
GENDER	Male
DATE OF BIRTH	March 30, 1972
PLACE OF BIRTH	Kalamata, Greece
NATIONALITY	Hellenic- EU National
LEGAL STATUS	Greek Citizen USA Legal Permanent Resident
HOME ADDRESS 1580 Freedom Blvd	Ste. 106 Florence, SC, 29505
PHONE NUMBERS	+1 917 797 1363 (USA), +30 6974574625 (Greece)
E-MAIL ADDRESS	karampel@musc.edu ikarampelas@yahoo.com

EDUCATION:

- 09/1977- 06/1983
Erasmus Hellenic-German Primary School, Marousi, Athens, Greece
- 09/1983- 06/1989
Varvakeios Secondary School, Psychiko, Athens, Greece
- 09/1990- 09/1996
Semmelweis University Medical School, English Program, Budapest, Hungary

MEDICAL REGISTRATION/LICENSURE:

- General Medical Council (GMC) UK (2000)
Specialist Register - Neurosurgery (April 2011)
- Active, unrestricted licenses in CO, SC, NC, VA, AZ, PA, FL, TX

QUALIFICATIONS:

- Board Certified Neurological Surgeon, 05/2021
The American Board of Neurological Surgery (ABNS)
- Board Certified Neurological Surgeon, 12/2009
The Hellenic Board of Neurological Surgery
- The American Board of Neurological Surgery Primary Examination Score:
2009: 535 (63rd percentile) 2010: 673 (94th percentile) 2011: 751 (100th percentile)
- ABSITE Exam - The American Board of Surgery Written Exam 2008: 76th Percentile
- ECFMG Certificate, Valid Indefinitely [ID Number: 0-521-401-0]
- MD Degree, 09/1996 Summa Cum Laude Valedictorian Graduate (GPA: 4.91 / 5.00)
Semmelweis University Medical School, Budapest, Hungary

- **ATLS Certificate – The American College of Surgeons (2001, 2007)**
- **PHTLS Certificate – The American College of Surgeons/ NAEMT (2002)**
- **FCCS Certificate– The Society for Critical Care Medicine (2003)**
- **ACLS Certificate- The American Heart Association (2003, 2007,2024)**
- **PALS Certificate- The American Heart Association/
The American Academy of Pediatrics (2004)**
- **BLS Certificate- The American Heart Association (2022,2024)**

PROFESSIONAL SOCIETIES' MEMBERSHIPS:

- **Congress of Neurological Surgeons, Regular Member (2021)**
- **American Association of Neurological Surgeons, Fellow Member (2021)**
- **American Association of Neurological Surgeons, Section on Tumors, (2018)**
- **American Association of Neurological Surgeons, Section on Spine (2014)**
- **Neurocritical Care Society (2003)**

PRIZES AND DISTINCTIONS:

- 1991 1st prize, Final Competition in Biophysics, Department of Biophysics
- 1992 1st prize, Final Competition in Anatomy, Department of Anatomy
- 1992 1st prize, Final Competition in Physiology, Department of Physiology
- 1995 1st prize, Annual Congress of the Association of University Research Students
Semmelweis University Medical School, Budapest, Hungary

RESEARCH GRANTS AND SCHOLARSHIPS:

- **2006 PEDIATRIC BRAIN TUMOR FOUNDATION, USA**
“Convection-Enhanced Delivery of Recombinant Immunotoxin 8H9-PE38 for the Treatment of Pediatric Infiltrative Brainstem Tumors”
PI: Dr. Mark Souweidane, Dept. of Neurological Surgery
Weill Medical College of Cornell University, New York, NY, USA
- **2002 NATIONAL NEUROSCIENCE SCHOLARSHIPS' FOUNDATION, GREECE**
“Ionic and molecular basis of neuronal hyperexcitation during epileptic seizures “
(Experimental model: Rat Hippocampal Slice Electrophysiology.
Extra- and Intracellular Potential Measurements via Pt Electrodes)

UNDERGRADUATE LABORATORY AND TEACHING EXPERIENCE:

- 1992 - 1996
Research Medical Student
Laboratory of Neuromorphology
Semmelweis University Medical School, Budapest, Hungary

- 1992 - 1995
Teaching Assistant
 Gross and microscopic anatomy, neuroanatomy and neuroembryology
 Department of Anatomy
 Semmelweis University Medical School, Budapest, Hungary

ACADEMIC APPOINTMENTS:

- 12/2024 - to date:
Affiliate Assistant Professor
 Department of Neurosurgery
 Medical University of South Carolina

PROFESSIONAL WORK HISTORY:

- 03/2024 - to date:
Attending Neurosurgeon
 MUSC Florence Medical Center, Florence, SC
- 07/2023 - 02/2024
Locum Neurosurgeon
 Penrose Hospital, Colorado Springs, CO
- 07/2021 - 06/2023
Attending Neurosurgeon, Banner Neurosurgery Clinic,
 North Colorado Medical Centre, Greeley, CO
- 08/2019 - 06/2021
Locum Neurosurgeon
 North Colorado Medical Centre, Greeley, CO
- 07/2017 - 07/2019
Attending Neurosurgeon
 St Cloud Hospital, CentraCare Health, St Cloud, MN
- 01/2016 - 06/2017
Consultant Neurosurgeon
 Euroclinic Hospital, Athens, Greece
- 08/2014- 12/2015
Consultant Neurosurgeon
 "G. Gennimatas" Hospital, Athens, Greece
- 07/2008 - 07/2014
Neurosurgery Resident/Chief Resident

- 07/2007 – 06/2008:
General Surgery Intern
Department of Surgery, New York Medical College
St Vincent's Hospital Manhattan, New York, NY
- 07/2006 – 06/2007:
Postdoctoral Research Associate
Department of Neurological Surgery
Weill Medical College of Cornell University, New York, NY
- 07/2005 – 06/2006:
Neurosurgical Oncology and Gamma-Knife Radiosurgery Fellow
Department of Neurosurgery, Roswell Park Cancer Institute, Buffalo, NY
- 07/2004 – 06/2005:
Neurosurgery Fellow
Department of Neurosurgery New York Medical College,
St Vincent's Hospital Manhattan, New York, NY
- 09/2003 – 06/2004:
Neurosurgery Fellow
The Georgia Neurosurgical Institute, P.A.
The Medical Centre of Central Georgia, Macon, GA
- 01/2002 – 08/2003:
Neurosurgery Resident
Department of Neurosurgery, Evangelismos Hospital
University of Athens School of Medicine, Athens, Greece
- 11/2000 – 12/2001:
General Surgery Intern
Department of General Surgery “P. & A. Kyriakou” Children's Hospital, Athens, Greece
- 01/1999 – 05/2000:
Senior House Officer
District General Hospital of Chalkis, Evia, Greece
- 05/1997 – 12/1998:
Mandatory Greek Armed Forces Service
- 10/1996 – 04/1997:
Greek State Medical License: mandatory practice and examination

MEDICAL STUDENT ROTATIONS ABROAD:

- 05/ 1996 – 07/ 1996
The Royal Infirmary of Edinburgh, Edinburgh, UK
University Department of Surgery
- 10/ 1995 – 11/ 1995
The Hospital for Sick Children, Toronto, Canada
Department of Hematology-Oncology

LEISURE INTERESTS:

Euclidean Geometry, Swimming, Calisthenics,
Piano playing, Classical Music, Literature, History of World War II

INVITED FACULTY:

The American Association of Neurological Surgeons
Goodman Preparatory Course for the ABNS Oral Exam: Fall 2021, Fall 2022

PEER REVIEWER:

Frontiers in Surgery, Section: Neurosurgery

PUBLICATIONS:

Book Chapters:

Laser-Induced Interstitial Thermotherapy of Gliomas.
Karampelas I, Sloan AE.
Prog Neurol Surg. 2018; 32: 14-26.

Peer-Reviewed Journal Articles:

Prognostics of systemic malignancy ICD-0 topography and morphology types on brain Metastases: an NCDB time-to-event cohort
Alexopoulos G, Zhang J, **Karampelas I**, Patel M, Mercier P
Am J Clin Oncol. 2023 Nov 1;46(11):475-485

Long-term time series forecasting and updates on survival analysis of glioblastoma multiforme, a 1975-2018 population-based study
Alexopoulos G, Zhang J, **Karampelas I**, Patel M, Kemp J, Coppens J, Mattei TA, Mercier P
Neuroepidemiology. 2022; Feb 16

Applied forecasting for delayed cerebral ischemia prediction post-subarachnoid hemorrhage: Methodological fallacies
Alexopoulos G, Zhang J, **Karampelas I**, Khan M, Quadri N, Patel M, Patel N, Almajali M,

A Role for Sox2 in the Adult Cerebellum.

Mandalos NP, **Karampelas I**, Saridaki M, McKay RDG, Cohen ML, Remboutsika E.
J Stem Cell Res Ther. 2018; 8(7).

Variants of the elastin (ELN) gene and susceptibility to intracranial aneurysm: a synthesis of genetic association studies using a genetic model-free approach.

Paterakis K, Koutsias S, Doxani C, Xanthopoulou P, Kokkali C, Mpoulimari I, Tziastoudi M, **Karampelas I**, Dardiotis E, Hadjigeorgiou G, Brotis AG, Zintzaras E.
Int J Neurosci. 2016 Aug 14:1-6.

Sox2 acts as a rheostat of epithelial to mesenchymal transition during neural crest development.

Mandalos N, Rhinn M, Granchi Z, **Karampelas I**, Mitsiadis T, Economides AN, Dollé P, Remboutsika E
Front Physiol. 2014 Sep 12; 5:345

Translabrynthine resection of small intracanalicular acoustic tumor.

Karampelas I, Wick C, Semaan M, Megerian CA, Bambakidis NC.
Neurosurg Focus. 2014 Jan;36(1 Suppl):1

Petroclival meningiomas: an update on surgical approaches, decision making, and treatment results.

Xu F, **Karampelas I**, Megerian CA, Selman WR, Bambakidis NC
Neurosurg Focus. 2013 Dec;35(6):E11.

Improvement of neurological recovery and stimulation of neural progenitor cell proliferation by intrathecal administration of Sonic hedgehog.

Bambakidis NC, Petrullis M, Kui X, Rothstein B, **Karampelas I**, Kuang Y, Selman WR, LaManna JC, Miller RH.
J Neurosurg. 2012 May;116(5):1114-20. Epub 2012 Feb 10.

Interstitial infusion of glioma-targeted recombinant immunotoxin 8H9scFv-PE38.

Luther N, Cheung N-K, Souliopoulos EP, **Karampelas I**, Bassiri D, Edgar MA, Guo HF, Pastan I, Gutin PH, Souweidane MM
Mol Cancer Ther 2010;9:1039-46

Interstitial infusion of erlotinib in the rodent brain

Luther N, **Karampelas I**, Souliopoulos N, Edgar MA, Boockvar JA, Souweidane MM
J Exp Ther Oncol 2009 8 (2) 79-84

Subthalamic nucleus breast metastasis causing hemichorea-hemiballism treated by gamma-knife stereotactic radiosurgery

Karampelas I, Podgorsak MB, Plunkett RJ, Fenstermaker RA
Acta Neurochirurg 2008 150 (4) 395-6

Aggressive relapse of multiple myeloma with intracerebral extension and associated hemorrhage

Reddy N, **Karampelas I**, Chanan-Khan A, Fenstermaker R, Padmanabhan S
Leuk Lymphoma. 2007 Jun (6): 1228-30

Diagnosis and conservative management of an arteriovenous fistula of the scalp following awake craniotomy for tumour resection

Karampelas I, Kuensting JM, Cole PM, Fenstermaker RA
Acta Neurochirurg 2007 149(7): 727-8

Intratumoral hemorrhage after remote subtotal microsurgical resection and gamma knife radiosurgery for vestibular schwannoma

Karampelas I, Alberico RA, Plunkett RJ, Fenstermaker RA
Acta Neurochirurg 2007 149(3): 313-317

Review of the literature regarding the relationship of rebleeding and external ventricular drainage in patients with subarachnoid hemorrhage of aneurismal origin.

Fountas KN, Kapsalaki EZ, Machinis T, **Karampelas I**, Smisson HF, Robinson JS.
Neurosurg Rev. 2006 Jan;29(1):14-8; discussion 19-20.

Quantitative pupillometry: normative data in healthy pediatric volunteers

Boev AN, Fountas KN, **Karampelas I**, Boev C, Machinis TG, Feltes C, Okosun I, Dimopoulos V, Troup C.
J Neurosurg 2005 Dec;103(6 Suppl):496-500

Adult paravertebral pleomorphic rhabdomyosarcoma infiltrating diffusely the whole spinal axis

Fountas KN, Donner RS, Nikolakakos LG, Feltes CH, **Karampelas I**, Robinson JS Jr
Journal of Neurosurgery: Spine 2005 2: 344-348

Primitive supratentorial neuroectodermal tumor in an adult.

Kouyialis A, Boviatsis E, **Karampelas I**, Korfias S, Korkolopoulou P, Sakas D.
J Clin Neurosci. 2005 May;12(4):492-5.

Results of long-term follow-up in patients undergoing anterior screw fixation for type II and rostral type III odontoid fractures

Fountas KN, Kapsalaki EZ, **Karampelas I**, Feltes CH, Dimopoulos VG, Nikolakakos LG, Boev AN, Choudri H, Smisson HF, Robinson JS Jr
Spine 2005 30: 661-669

Primary spinal cord oligodendroglioma: Case report and review of the literature

Fountas KN, **Karampelas I**, Nikolakakos LG, Troup EC, Robinson JS Jr
Child's Nerv Syst 2005 21: 171-175

Sciatica: A historical perspective on early views of a distinct medical syndrome

Karampelas I, Boev A, Fountas KN, Robinson JS Jr
Neurosurg Focus 2004 16(1): E6

Emergency room neurosurgery: modern time errors.

Karampelas I, Fountas KN.
South Med J. 2004 Nov;97(11):1066-7.

ORAL PRESENTATIONS:

1) Safety of interstitial infusion of 8H9-PE38 to the pons for application in a glioma model
Luther N, **Karampelas Ioannis**, Cheung N V, Dunkel IJ, Edgar MA, Gutin PH, Souweidane MM
37TH Annual Meeting of the AANS/CNS section of Pediatric Neurosurgery, 2008,
Spokane, Washington, WA

2) Efficiency and Surgical Safety in Clipping of Cerebral Aneurysms using a preoperative 3D-interactive Surgery Rehearsal Platform (SRP)
Ioannis Karampelas, Sunil Manjila, Shakeel Chowdhry, Moty Avisar, Alon Geri, Martha Sajatovic, Curtis Tatsuoka, Andrew E Sloan, Nicholas C Bambakidis, Warren R Selman
Ohio State Neurosurgical Society Meeting, 2013, Columbus, OH