



MASSACHUSETTS
GENERAL HOSPITAL

NEUROSURGERY RESIDENCY PROGRAM



HARVARD MEDICAL SCHOOL
TEACHING HOSPITAL

**“THERE WON’T BE ANY STONE LEFT UNTURNED.
WE’RE GOING TO USE EVERY AVAILABLE
TECHNOLOGY, METHOD AND PROCEDURE TO
IMPROVE THE LIVES OF OUR PATIENTS,
AND PATIENTS ALL OVER THE WORLD.”**

Bob Carter, MD, PhD, Chief of Neurosurgery

Contact:

Bob S. Carter, MD, PhD, Department Chair
Aman Patel, MD, Program Director
Brian Nahed, MD, MSc, Associate Program Director
Katie Roche, MHA, Program Manager

Department of Neurosurgery
Massachusetts General Hospital
White Building – Room 502
55 Fruit Street
Boston, MA 02114

617-726-5143
kroche1@mgh.harvard.edu



TABLE OF CONTENTS

Overview..... 1

Program Overview 3

Current Residents..... 8

Clinical Faculty..... 11

Research 12

Laboratory-based
Research Faculty 13

Mass General Alumni 14

Boston & Beyond.....16

OVERVIEW

The Massachusetts General Hospital neurosurgery residency program aims to train the next generation of neurosurgical leaders. We have a long and proud tradition of training neurosurgeons who have made major clinical and scientific contributions to the field of neurosurgery. Our department is dynamic, growing and strongly positioned in both clinical and scientific areas to continue to lead and innovate in neurosurgery.

Our philosophy is to train the best skilled neurosurgeons to lead in the clinical, research, and innovation aspects of neurosurgery. Grounded in our large clinical volume spanning every aspect of neurosurgery, MGH's referral spans from local and regional to national and international patients. As the largest hospital in New England, and #1 research hospital in the United States, our residents are trained in state of the art surgical and nonsurgical management of neurosurgical disease. Our residency culminates in a chief residency year in which they function at the highest level of neurosurgery as they transition to junior faculty members.

In addition to the unparalleled clinical training, our residents dedicate two years to research, a clinical fellowship or pursuing an advanced degree. Most residents spend two years in a laboratory of their choice as part of the residency training. The research opportunities in the Boston area are unrivaled and include Mass General (the largest recipient of NIH funding among U.S. hospitals), Harvard Medical School, Massachusetts Institute of Technology, Broad Institute, Dana Farber Cancer Center and Boston Children's Hospital. In addition to traditional scientific and clinical fellowship efforts, residents have also pursued advanced degrees (MPH and MBA) at Harvard University.

Mass General is ranked as a top hospital every year and comprised of first-rate clinical services in every aspect of medicine and surgery. The Mass General neurosurgery program has a tradition of respect and camaraderie among the residents and between the residents and staff. That leads to an exceptionally supportive and stimulating educational environment. The combination of excellent clinical training, superb research and the many outstanding opportunities available here enables graduates to successfully pursue the career track of their choice.

#1 RESEARCH HOSPITAL
IN THE COUNTRY BASED ON FEDERAL FUNDING

3,836 SURGICAL CASES PER YEAR

EXPOSURE TO A UNIQUE BREADTH OF
COMPLEX CASES FROM ACROSS THE WORLD

23 NEUROSURGICAL CLINICAL FACULTY AND
17 NEUROSURGICAL RESEARCH FACULTY ARE
COMMITTED TO UNPARALLELED CLINICAL
TRAINING OF OUR RESIDENTS

RESIDENTS HAVE 2 YEARS OF
PROTECTED TIME TO PURSUE RESEARCH,
FELLOWSHIP, ADVANCED DEGREE,
OR NATIONAL / INTERNATIONAL
NEUROSURGICAL OPPORTUNITIES





CLINICAL TRAINING PROGRAM

Our neurosurgical residents are exposed to high clinical volume, direct patient care and are expected to gain mastery of clinical and operative skills under the guidance of experienced attending neurosurgeons. It is essential that residents are exposed to each subspecialty in sufficient depth and breadth to become fully competent. Every trainee receives a focused experience in each of the main subspecialties, working in close conjunction with an expert senior attending physician who is a leader focused in brain tumor, vascular, functional, pediatric, peripheral nerve, skull-base or spine.

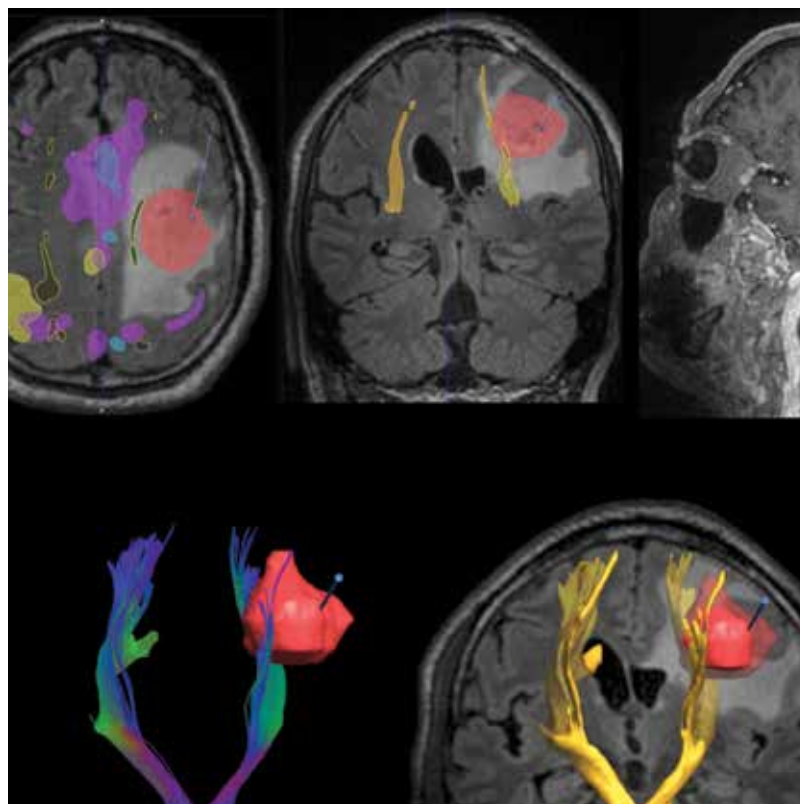
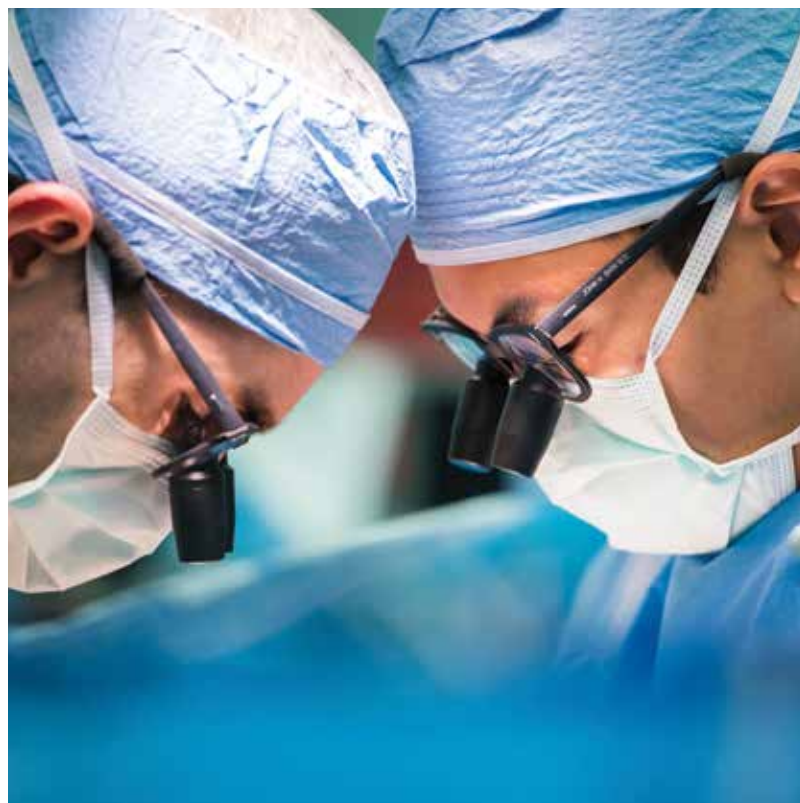
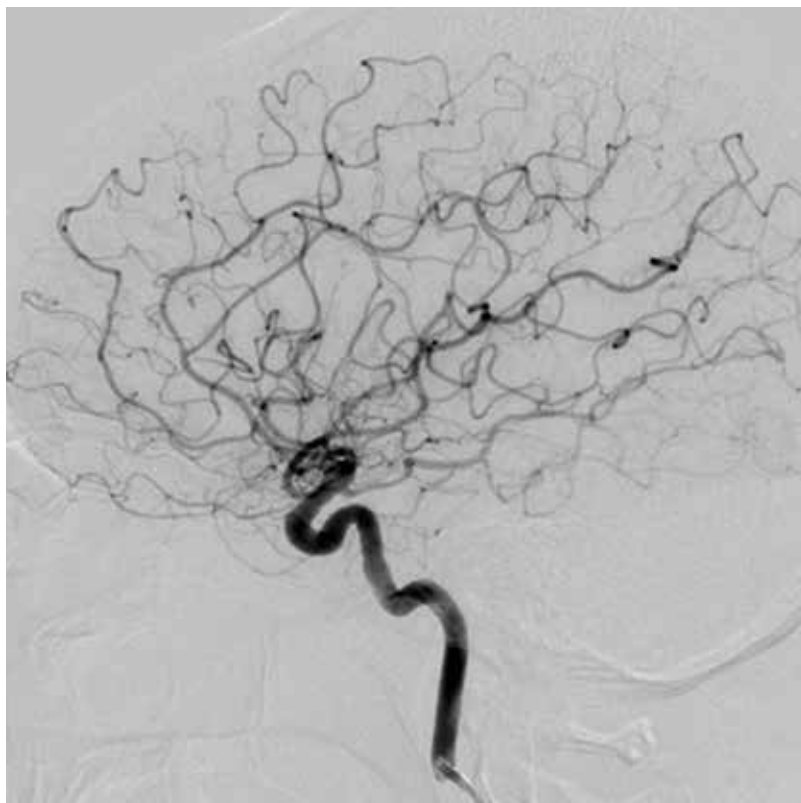
EDUCATION OPPORTUNITIES

Residents contribute to lectures, group discussions and symposiums with leading national and international researchers and clinicians. In addition, residents present at the neurosurgery grand rounds, Annual Frye Halloran symposium and neuroscience grand rounds with neurology, psychiatry, otolaryngology and ophthalmology. Our residents frequently present at the American Association of Neurological Surgeons, the Academy of Neurological Surgeons, the Society of Neurological Surgeons, the Congress of Neurological Surgeons, subspecialty section meetings and at local and regional meetings. In addition, residents attend neurosurgical courses in their desired subspecialty as junior and senior residents.

PROGRAM OVERVIEW

All program phase locations are at Mass General’s main campus unless another location is specified.

PGY1	PGY2 + 3	PGY4 + 5	PGY6 + 7
General Surgery (6 months)	East Team Junior (4 months)	Research/Fellowship	East Team Senior/Chief Resident (4 months as R6 Senior and 4 months as R7 Chief)
Neurosurgery & ICU (3 months)	West Team Junior/ Radiosurgery (4 months)		West Team Senior/Chief Resident (4 months as R6 Senior and 4 months as R7 Chief)
Neurology Service (3 months)	Boston Children’s Hospital (4 months)		North Team Chief Resident (4 months as R6 Senior and 4 months as R7 Chief)
	North Team Junior (4 months)		



PGY1

General Surgery (6 months)

Residents spend six months rotating on general surgery, critical care, trauma and other surgical specialty rotations developing operative skills and management of complex medical and surgical patients.

Neurosurgery & ICU (3 months)

Residents focus on all aspects of the management of neurological and neurosurgical patients in the neuroscience ICU focused on intracranial pressure, management of IV fluids and basic management of acute neurological, cardiac and pulmonary issues common to these patients.

Neurology Service (3 months)

Residents develop expertise in the neurological exam and diagnostic workup of neurological disease. Rotations on inpatient and outpatient neurological services include advanced neurology, neuro-oncology, neurovascular, stroke, epilepsy, movement disorders and pediatric neurology.

PGY2+3

East Team Junior (4 months)

Residents focus on the surgical and nonsurgical management of spinal, functional and pediatric diseases. Residents are exposed to the breadth of spinal disorders including degenerative disease, tumors, deformity and peripheral nerve. In addition, residents are exposed to functional neurosurgery including deep brain stimulation, epilepsy surgery and surgery for pain. Residents care for the surgical and nonsurgical management of pediatric cranial and spinal disease.

West Team Junior/Radiosurgery (4 months)

Residents focus on the surgical and nonsurgical care of brain tumor patients. In addition to the surgical skill, residents take part in the treatment and planning of single fraction radiosurgery, proton beam radiosurgery and the linear accelerator (LINAC).

Boston Children's Hospital (4 months)

Residents rotate at Boston Children's Hospital to gain additional experience in the clinical and surgical management of pediatric patients.

North Team Junior (4 months)

Residents focus on the management of vascular (open and endovascular) cases where they are exposed to surgical, nonsurgical and endovascular techniques. In addition, the residents focus on trauma, general neurosurgery and spine to operate on a breadth of neurosurgical cases.

PGY4+5

Research/Fellowship

Years 4 and 5 are dedicated to research, clinical fellowships or pursuing advanced degrees. Clinical responsibilities are proportionately decreased. During the first research year, the residents take night call one to two times per week. The second year of research is free of any clinical responsibilities. Residents take the written neurosurgery boards during this time.

“The faculty at Mass General are not just your teachers for the seven years, but truly remain your teachers for life. They are never out of reach and always willing to provide counsel. For me, Mass General Neurosurgery provided a family of support, ensuring I not only made it through the gauntlet of residency training, but that I would do so with optimism, energy, and an appreciation of life both within and beyond that of neurosurgery.”



Pamela S. Jones, MD, MPH
Resident, Class of 2016

PGY6+7

East Team Senior/Chief Resident

(4 months as R6 Senior and 4 months as R7 Chief)

The East Senior/Chief assumes a large role in the operative and clinical management of complex spine, pediatric and functional cases. There is a special emphasis on complex spinal disease (degenerative, deformity and neoplasm). In addition, residents have an extensive exposure to functional neurosurgery, including deep brain stimulation, epilepsy surgery and surgery for pain. Residents are exposed to the breadth of pediatric neurosurgery during this rotation as well. There is considerable responsibility for the teaching and supervision of other residents

West Team Senior/Chief Resident

(4 months as R6 Senior and 4 months as R7 Chief)

The West Senior/Chief Resident plays a large role in the operative and clinical management of complex tumor cases ranging from intra-axial, extra-axial, skull base and pituitary tumors. Residents gain an extensive experience in the surgical management of brain tumors with the use of cutting-edge intraoperative mapping, intraoperative imaging, endoscopic and endonasal techniques and novel minimally invasive techniques. There is considerable responsibility for the teaching and supervision of other residents.

North Team Chief Resident

(4 months as R6 Senior and as R7 Chief)

The North Chief Resident is the administrative chief resident. The North Chief has his or her own office, administrative assistant and performs a wide spectrum of cases including trauma, cerebral hemorrhage and a variety of spinal cases. The North Chief Resident is also in charge of the call schedule, the operating room assignments and has considerable responsibility for the teaching and supervision of other residents. The Vascular Chief resident plays a large role in the surgical (open vascular) and nonsurgical management of open and endovascular neurosurgical cases. The resident performs diagnostic angiograms and participates in coiling and embolization endovascular neurosurgical procedures.



NEUROSURGERY RESIDENTS

PGY7



Christopher Alvarez-Breckenridge, MD, PhD
Ohio State Medical School
Ohio State



Matthew Koch, MD
UPENN Medical School
Princeton



Robert Koffie, MD, PhD
Harvard Medical School
Indiana

PGY6



Bryan Choi, MD, PhD
Duke Medical School
Harvard



Benjamin Grannan, MD
Harvard Medical School
MIT



Jimmy Yang, MD
Harvard Medical School
Harvard

PGY5



Christine Lee, MD, PhD
Stanford Medical School
Harvard



Athar Malik, MD, PhD
Harvard Medical School
Johns Hopkins



Cameron Sadegh, MD, PhD
Harvard Medical School
MIT

PGY4



Amy Baohan, MD, PhD
UCLA Medical School
Columbia



Victoria Clark, MD, PhD
Yale Medical School
Harvard



Arjun Khanna, MD
Harvard Medical School
Duke

PGY3



Muhamed Hadzipasic, MD, PhD
Yale Medical School
Johns Hopkins



Myron Rolle, MD
Florida State Medical School
Florida State



Pratik Talati, MD, PhD
Vanderbilt Medical School
UAB

PGY2



Gabriel Friedman, MD
Harvard Medical School
Pomona



Pranav Nanda, MD
Columbia University
Stanford

PGY1



Ian Connolly, MD
Stanford Medical School
Stanford University



William Munoz Miranda, MD, PhD
NYU School of Medicine
University of Puerto Rico,
Rio Piedras Campus




Faith Robertson, MD, MSc
Harvard Medical School
Duke University



Amy Wang, MD
Harvard Medical School
Harvard University



RICHARD B. SIMCHES RESEARCH



“The Mass General Neurosurgery Residency provided a fantastic clinical and research training environment, giving me the experience and confidence I needed to launch my career. I will always remember the lessons learned from the tremendous collection of faculty. In addition, connections to the wide Mass General network remain invaluable to me for creating new career opportunities. I can’t imagine a better place to have trained.”

Sameer Sheth, MD, PhD, Resident, Class of 2012

CLINICAL FACULTY



Frederick Barker, MD
Neurosurgical Oncology



Lawrence Borges, MD
Neurosurgical Spine



Justin Brown, MD
Peripheral Nerve
Neurosurgical Spine



William Butler, MD
Pediatric Neurosurgery



Daniel Cahill, MD, PhD
Neurosurgical Oncology



Bob Carter, MD, PhD
Neurosurgical Oncology
Neurovascular Surgery



Paul Chapman, MD
Radiosurgery



Jean-Valery Coumans, MD
Neurosurgical Spine



William Curry, MD
Neurosurgical Oncology



Tina Duhaime, MD
Pediatric Neurosurgery



Pamela Jones, MD
Neurosurgical Oncology



Robert L. Martuza, MD
Neurosurgical Oncology



Brian Nahed, MD, MSc
Neurosurgical Oncology
Neurosurgical Spine



Aman Patel, MD
Neurovascular Surgery
Neuroendovascular



James Rabinov, MD
Neuroendovascular



Mark Richardson, MD, PhD
Functional Neurosurgery



Ganesh M. Shankar, MD, PhD
Neurosurgical Spine



John Shin, MD
Neurosurgical Spine



Christopher J. Stapleton, MD
Neurovascular Surgery



Brooke Swearingen, MD
Neurosurgical Oncology



Jeffery Schweitzer, MD, PhD
Functional Neurosurgery



Ziv Williams, MD
Functional Neurosurgery
Peripheral Nerve



Nicholas Zervas, MD
Neurosurgery

RESEARCH

Research Training

Mass General Department of Neurosurgery is a leader in clinical, translational and basic science research and is a founding member of Mass General Neuroscience, a collaboration of more than 2,000 faculty, trainees, and staff dedicated to advancing translational neuroscience across a spectrum of departments. Every neurosurgical attending is engaged in research and works closely with collaborators from Neuro-oncology, Radiation Oncology, Neuropathology, Neurophysiology, Neurology and the Mass General Cancer and Vascular Centers. Residents pursue research projects with mentors stemming from neurosurgery, and researchers at Mass General, Massachusetts Institute of Technology, Broad Institute, Dana-Farber Cancer Center and Harvard University.

Research Accomplishments

The Mass General Department of Neurosurgery has a successful track record with NIH and foundation grants. Our residents are often awarded independent funding and fellowships, including awards from the NIH (NRSA, K08) NREF, ABTA, Parkinson Disease Foundation, American Parkinson Disease Associations, Burroughs Wellcome Fund and many others. Numerous residents have had high-quality publications in journals such as *Science*, *Nature Neuroscience*, *Nature Medicine*, *Cancer Discovery*, *New England Journal of Medicine*, *Journal of Neuroscience*, *Journal of Neurosurgery* and *Neurosurgery*, among many others. The department has also been awarded the prestigious R25 training grant by the NIH to support the resident research years.

RESIDENTS ARE MENTORED AND SUPPORTED BY OUR CLINICAL AND RESEARCH FACULTY AS THEY DEVELOP THEIR CLINICAL AND RESEARCH SUBSPECIALTY EXPERTISE LEADING TO AWARDS, FUNDING, AND PRESENTATIONS AT NATIONAL AND INTERNATIONAL MEETINGS.

OVER 50% OF OUR RESIDENTS ARE AWARDED FUNDING TO SUPPORT THEIR RESEARCH PROJECTS. IN ADDITION, MASS GENERAL HAS BEEN AWARDED THE PRESTIGIOUS R25 TRAINING GRANT TO SUPPORT RESIDENT RESEARCH.



LABORATORY-BASED RESEARCH FACULTY

Bob S. Carter, MD, PhD Leonora Balaj, PhD	BLOOD-BASED BIOMARKERS FOR BRAIN TUMORS The lab is developing the first blood test to diagnose and monitor patients with brain tumors.
Jeffrey Schweitzer, MD, PhD Bob S. Carter, MD, PhD	CELLULAR NEUROTHERAPEUTICS AND NEURORESTORATION LABORATORY The lab is developing novel iPS derived therapeutics for Parkinson's disease.
Daniel P. Cahill, MD, PhD	TRANSLATIONAL NEURO-ONCOLOGY The lab aims to identify genetic alterations that underlie development, progression and resistance of brain tumors.
William T. Curry, MD	TRANSLATIONAL BRAIN TUMOR IMMUNOLOGY The lab focuses on the development and evaluation of novel therapies for brain tumors.
Beth Costine, PhD Ann-Christine "Tina" Duhaime, MD	BRAIN TRAUMA The Brain Trauma Lab is aimed at learning how to better treat the millions of children with brain trauma and similar problems, now and in the future.
Shelley I. Fried, PhD	NEURAL PROSTHETIC The lab seeks to improve the effectiveness of CNS-based neural prosthetics.
Robert L. Martuza, MD Samuel D. Rabkin, PhD	MOLECULAR NEUROSURGERY The lab focuses on the use of herpes simplex virus (HSV) vectors for cancer therapy and gene delivery in the nervous system, with the long-term goal being the therapeutic application of these vectors to patients.
Brian V. Nahed, MD, MSc Shannon Stott, PhD	BLOOD-BASED BIOMARKERS FOR BRAIN TUMORS The lab is developing the first blood test to diagnose and monitor patients with brain tumors.
John S. Pezaris, PhD	VISUAL PROSTHESIS The lab works to restore sight to the blind by sending signals from a digital camera directly into the brain.
Mark Richardson, MD, PhD	BRAIN MODULATION LAB The lab conducts human systems neuroscience research using intracranial recording and stimulation in patients undergoing surgery for epilepsy, movement disorders and psychiatric diseases.
Kathleen Sweadner, PhD	MEMBRANE BIOLOGY The lab studies ATP-hydrolyzing enzymes control sodium, potassium and calcium movements.
Hiroaki Wakimoto, MD, PhD	BRAIN TUMOR STEM CELL The lab develops novel therapeutic strategies for GBM through a better understanding of the biological and molecular characteristics of GBM stem cells.
Ziv Williams, MD	NEURONAL COMMUNICATION/RESTORATION The lab probes mechanisms which neurons communicate locally and across cortical areas, and communication across areas disrupted within the CNS.

2019

Sarah Bick
Massachusetts General Hospital
Fellow, Functional Neurosurgery

Vijay Yanamdala
Albert Einstein College of Medicine
Assistant Professor, Neurosurgery

Marcus Zachariah
Ohio Health & Science University
Fellow, Endoscopy / Skull Base

2018

Andrew Venteicher
U Minnesota
Assistant Professor, Skull Base
Neurosurgery

Christopher Stapleton
Massachusetts General Hospital
Instructor, Cerebrovascular Surgery

Matthew Mian
Colorado Carepoint
Functional Neurosurgery

2017

Pankaj Agarwalla
Rutgers Neurosurgery
Assistant Professor, Skull Base
Neurosurgery

Katie Fehnel
Boston Children's Hospital
Instructor, Pediatric Neurosurgery

Ganesh M. Shankar, MD, PhD
Massachusetts General Hospital
Instructor, Neurosurgical Spine

2016

Anoop Patel
University of Washington
Assistant Professor, Skull Base
and Endoscopic Surgery;
Neurosurgical Oncology

Pamela Jones
Massachusetts General Hospital
Instructor, Neurosurgical
Oncology

Josh Aronson
Dartmouth
Assistant Professor; Director
of Functional Neurosurgery

2015

Navid Redjal
Capital Institute
Attending; Director of
Neurosurgical Oncology

Brian Walcott
Northshore University System
Assistant Professor,
Cerebrovascular Neurosurgery

Patrick Codd
Duke
Assistant Professor; Director of
Endoscopic Neurosurgery

2014

Kris Kahle
Yale
Assistant Professor,
Pediatric Neurosurgery;
Director, Congenital Anomaly
Neurosurgery

Peter Fecci
Duke
Assistant Professor,
Neurosurgical Oncology;
Associate Residency Program
Director

Anna Terry
Duke
Assistant Professor,
Neurosurgical Spine

2013

Gavin Dunn
Washington University, St. Louis
Assistant Professor,
Neurosurgical Oncology

John Barr
Duke
Assistant Professor,
Neurosurgical Spine

2012

David Jho
Allegheny General Hospital
Assistant Professor, Neurosurgical
Spine; Director of Endoscopic Skull
Base and Spine

Sameer Sheth
Associate Professor, Vice Chair
Research
Functional Neurosurgery

Eric Chang
Providence Medical Center,
Washington
Attending, Neurosurgery

2011

Brian Nahed
Massachusetts General Hospital
Associate Professor,
Neurosurgical Oncology;
Associate Residency Program
Director

Rollin Hu
Kaiser Permanente
Attending, Neurosurgical Spine

2010

Jason Gerrard
Yale
Assistant Professor, Director of
Functional Neurosurgery

Wael Asaad
Brown
Associate Professor; Director of
Functional Neurosurgery & Epilepsy

Travis Tierney
Miami Children's Hospital
Assistant Professor, Pediatric
Functional Neurosurgery

2009

Christopher Farrell
Thomas Jefferson
Assistant Professor, Skull Base
and Endoscopic Surgery;
Neurosurgical Oncology

Manuel Ferreira
University of Washington
Associate Professor, Skull Base
and Neurosurgical Oncology;
Chief, Neurosurgical Surgery

2008

Daniel Cahill
Massachusetts General Hospital
Associate Professor,
Neurosurgical Oncology

Clark Chen
University of Minnesota
Professor and Department Chair,
Neurosurgical Oncology

2007

Manish Agbi

UCSF

Professor, Neurosurgical Oncology;
Co-Director, Center for Minimally
Invasive Skull Base Surgery

Ramin Amirnovin

Inland Neurosurgery

Attending, Neurosurgery

2006

Ziv Williams

Massachusetts General Hospital
Associate Professor, Functional
Neurosurgery; Director of
Peripheral Nerve Surgery

Khalid Abbed

Yale

Associate Professor,
Chief of Neurosurgery Spine

2005

Brian Hoh

University of Florida
Professor, Chair of
Neurosurgery; Chief of
Cerebrovascular Surgery

Ekkehard Kasper

Beth Israel Deaconess
Associate Professor; Director,
Neurosurgical Oncology and
Stereotactic Radiosurgery

2004

Joseph Neimat

University of Louisville
Professor and Department Chair,
Functional Neurosurgery

William Curry

Massachusetts General Hospital
Professor; Director of
Neurosurgical Oncology;
Co-Director, Neurosciences Institute

2003

Steve Kalkanis

Henry Ford

Professor and Department Chair,
Neurosurgical Oncology

Edward Smith

Boston Children's Hospital
Professor; Director of Pediatric
Cerebrovascular Neurosurgery

2002

John Brisman

NSPC

Attending, Neurosurgery

Yogish Kamath

Kell West Regional Hospital
Chair, Department of Neurosurgery

2001

Albert Lee

Tallahassee Neurological
Attending, Neurosurgery

Sepi Amin-Hanjani

UIC

Professor Cerebrovascular
Surgery; Residency
Program Director

2000

Richard Chung

Neurosurgical Associates of
Santa Barbara
Attending, Neurosurgery

Emad Eskandar

Chief of Neurosurgery, Albert
Einstein Medical Center

1999

Zoher Ghogawala

Lahey Clinic
Professor and Department Chair,
Neurosurgical Spine

Bob Carter

Massachusetts General Hospital
Professor and Department Chair,
Neurosurgical Oncology

1998

Marius Maxwell

Arctic Spine

Attending, Neurosurgery

Robert Friedlander

University of Pittsburgh
Professor and Department Chair,
Cerebrovascular Surgery

1997

John Yu

Cedars-Sinai

Attending; Co-Director,
Comprehensive Brain Tumor Program

Stephen Tatter

Wake Forrest

Professor, Chief of Neurosurgical
Oncology

1996

Nicole Moyaeri

Kaiser Permanente

Attending, Neurosurgery

Peyman Pakzaban

Pasadena Neurosurgery
Attending, Neurosurgery

1995

E. Antonio Chiocca

Brigham & Women's
Professor and Department Chair,
Neurosurgical Oncology

David Frim

University of Chicago
Professor and Department Chair,
Pediatric Neurosurgery

1994

William Butler

Massachusetts General Hospital
Assistant Professor, Pediatric
Neurosurgery

William Rosenberg

Midwest Neurosurgery
Attending, Neurosurgery

1993

Andrea Halliday

Spine & Brain Center
Attending, Neurosurgery

Richard Westmark

Houston Neurosurgery
Attending, Neurosurgery

1992

Jim Schumacher

Sarasota Neurosurgery
Attending, Neurosurgery

Fred Barker

Massachusetts General Hospital
Professor, Neurosurgical Oncology;
Director, Skull Base Center

1991

John Steichen

Charleston Neurosurgery
Attending, Neurosurgery

Chris Ogilvy

Beth Israel Deaconess
Professor, Cerebrovascular
Surgery; Director, Endovascular
and Operative Surgery

1990

Kevin McGrail

Georgetown

Professor and Department Chair,
Cerebrovascular Surgery

Allan Hamilton

University of Arizona

Attending, Neurosurgery;
Executive Director, ASTEC

1989

Debbie Petrucci

Yale

Attending; Neurosurgery Chair
Emeritus, White Plains Hospital
and Lincoln Hospital

Joe Madsen

Boston Children's Hospital

Professor, Pediatric
Neurosurgery; Director,
Epilepsy Surgery

To see more of our alumni visit
[massgeneral.org/neurosurgery/
alumni](http://massgeneral.org/neurosurgery/alumni)

BOSTON & BEYOND

Boston is a truly exceptional place to live with something to offer for all. The city is distinguished by its proud, vibrant and unique neighborhoods, each with its own individual flair and character. More than 11 million annual visitors and residents frequent Newbury Street, Copley Place and the Prudential Center for shopping. With 37 sports titles, Boston is known as “The City of Champions.” There are miles of pathways for exercise and leisure along the Charles River and Jamaicaaway. Nearby athletic options include cross-country skiing or golfing at Franklin Park, hiking at the Blue Hills Reservation and sailing and swimming at 20 regional beaches.

Boston’s diverse restaurants serve up everything from Ethiopian to Japanese to Colombian cuisines. Hundreds of food trucks operate day and night across the city. Almost 30 neighborhood farmers markets are sprinkled throughout the city.

While Boston is perhaps best known for its rich history, it is also full of true artistic and cultural gems, like the Institute of Contemporary Art, the Museum of Fine Arts, the Opera House and Boston Creates, which rotates public art displays and soundscapes along the mile-and-a-half long Rose Kennedy Greenway. The city also comes alive during each season with different festivals, concerts, markets and crafts fairs.

Beyond all the great experiences Boston offers residents, Massachusetts is consistently ranked among the top places in the country to raise a family. The years in residency can be as formidable personally as they are professionally, and many current and former Mass General residents have started their own families during their time here.

4,500+

FOOD AND RETAIL ESTABLISHMENTS,
INCLUDING 100+ FOOD TRUCKS

16

JAMES BEARD AWARD WINNERS

500+

ARTS AND CULTURE EVENTS PER YEAR

20+

BREWERIES

98%

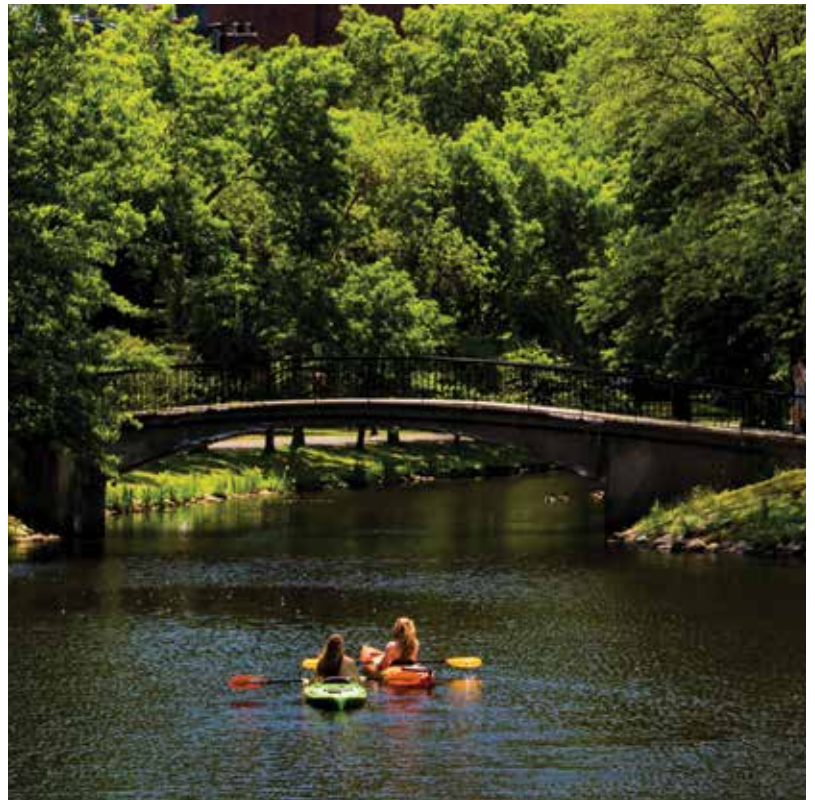
OF BOSTONIANS LIVE WITHIN A
10-MINUTE WALK OF A PARK OR OPEN SPACE

217

PUBLIC PARKS, 65 PUBLIC
SQUARES, OVER 35,000 STREET TREES

1

HOUR’S DRIVE TO BEACHES, LAKES,
OR MOUNTAINS





MASSACHUSETTS GENERAL HOSPITAL

Contact:

Bob S. Carter, MD, PhD, Department Chair
Aman Patel, MD, Program Director
Brian Nahed, MD, MSc, Associate Program Director
Katie Roche, MHA, Program Manager

Department of Neurosurgery
Massachusetts General Hospital
White Building – Room 502
55 Fruit Street
Boston, MA 02114

617-726-5143
kroche1@mgh.harvard.edu