OVERVIEW

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 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.

4300 +
NEUROSURGICAL CASES PER YEAR

27
NEUROSURGICAL CLINICAL FACULTY

17
NEUROSURGICAL RESEARCH FACULTY

2 YEARS
DEDICATED TO RESEARCH AND FELLOWSHIP
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

<table>
<thead>
<tr>
<th>PGY1</th>
<th>PGY2 + 3</th>
<th>PGY4 + 5</th>
<th>PGY6 + 7</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Surgery (3 months)</td>
<td>East Team Junior (4 months)</td>
<td>Research/Fellowship</td>
<td>East Team Senior/Chief Resident (4 months as R6 Senior and 4 months as R7 Chief)</td>
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<tr>
<td>Neurosurgery &amp; ICU (6 months)</td>
<td>West Team Junior/Radiosurgery (4 months)</td>
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<td>West Team Senior/Chief Resident (4 months as R6 Senior and 4 months as R7 Chief)</td>
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<td>Neurology Service (3 months)</td>
<td>Boston Children’s Hospital (4 months)</td>
<td></td>
<td>North Team Chief Resident (4 months as R6 Senior and 4 months as R7 Chief)</td>
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<tr>
<td>North Team Junior (4 months)</td>
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3
NEUROSURGERY RESIDENTS
“I do feel like the other neurosurgery residents have become my best friends and my family. It’s important for a program that is seven years long that you respect your colleagues, which I certainly do, but really what I like is the culture here is not one of complaining. It’s not putting other residents or other services down. It’s really just about banding together, working as hard as you can as a team in order to provide the best possible patient care. And that has always been true as long as I’ve been here.”

Victoria Clark, MD, PhD
Resident, PGY6
NEUROSURGERY RESIDENTS

PGY4

Gabriel Friedman, MD
Harvard Medical School
Pomona

Pranav Nanda, MD
Columbia University
Stanford

PGY3

Ian Connolly, MD
Stanford Medical School
Stanford University

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

Faith Robertson, MD, MSc
Harvard Medical School
Duke University

Amy Wang, MD
Harvard Medical School
Harvard University

PGY2

Kow A. Essuman, MD, PhD
Washington University in St. Louis, School of Medicine
Temple University

Robert M. Gramer, MD
Duke University
School of Medicine
University of California, Irvine

Nathaniel Sisterson, MD
University of Pittsburgh, School of Medicine
Northwestern University

PGY1

Opeyemi Alabi, MD, PhD
University of Pennsylvania
Harvard University

Brian Hsueh, MD, PhD
Stanford University School of Medicine
Princeton University

Tariq Parker, MD, PhD
University of the West Indies
Faculty of Medical School
University of Oxford
Bob Carter, MD, PhD
Neurosurgical Oncology
Neurovascular Surgery

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

Paul Chapman, MD
Radiosurgery

Bryan D. Choi, MD, PhD
Neurosurgical Oncology

Jean-Valery Coumans, MD
Neurosurgical Spine

Lawrence Borges, MD
Neurosurgical Spine

Robert L. Martuza, MD
Neurosurgical Oncology

Aman Patel, MD
Neurovascular Surgery
Neuroendovascular

Pamela S. Jones, MD, MS, MPH
Neurosurgical Oncology

Kristopher Kahle, MD, PhD
Pediatric Neurosurgery

Paul Chapman, MD
Radiosurgery

Bryan D. Choi, MD, PhD
Neurosurgical Oncology

William Curry, MD
Neurosurgical Oncology

Gavin Dunn, MD, PhD
Neurosurgical Oncology

Tina Duhaime, MD
Pediatric Neurosurgery

Kristopher Kahle, MD, PhD
Pediatric Neurosurgery

Brian Nahed, MD, MSc
Neurosurgical Oncology

Jaysim Patel, MD
Neurovascular Surgery
Neuroendovascular

James Ravinov, MD
Neuroendovascular

Mark Richardson, MD, PhD
Functional Neurosurgery

Jeffrey Schweitzer, MD, PhD
Functional Neurosurgery

Mark Richardson, MD, PhD
Functional Neurosurgery
**PGY1**

**General Surgery (3 months)**
Residents spend three 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 (6 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 out-patient neurological services include advanced neurology, neuro-oncology, neurovascular, stroke, epilepsy, movement disorders and pediatric neurology.

“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
**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.
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.
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 Welcome 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.
<table>
<thead>
<tr>
<th>Name</th>
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<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bob S. Carter, MD, PhD</td>
<td>BLOOD-BASED BIOMARKERS FOR BRAIN TUMORS</td>
<td>The lab is developing the first blood test to diagnose and monitor patients with brain tumors.</td>
</tr>
<tr>
<td>Leonora Balaj, PhD</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jeffrey Schweitzer, MD, PhD</td>
<td>CELLULAR NEUROTHERAPEUTICS AND NEURORESTORATION LABORATORY</td>
<td>The lab is developing novel iPS dervied therapeutics for Parkinson's disease.</td>
</tr>
<tr>
<td>Bob S. Carter, MD, PhD</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Daniel P. Cahill, MD, PhD</td>
<td>TRANSLATIONAL NEURO-ONCOLOGY</td>
<td>The lab aims to identify genetic alterations that underlie development, progression and resistance of brain tumors.</td>
</tr>
<tr>
<td>William T. Curry, MD</td>
<td>TRANSLATIONAL BRAIN TUMOR IMMUNOLOGY</td>
<td>The lab focuses on the development and evaluation of novel therapies for brain tumors.</td>
</tr>
<tr>
<td>Bryan D. Choi, MD, PhD</td>
<td>BRAIN TUMOR IMMUNOTHERAPY</td>
<td>The lab uses techniques in cell and gene therapy to develop novel, safe, and effective immune-based treatment for patients with brain tumors.</td>
</tr>
<tr>
<td>Beth Costine, PhD</td>
<td>BRAIN TRAUMA</td>
<td>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.</td>
</tr>
<tr>
<td>Ann-Christine “Tina” Duhaime, MD</td>
<td></td>
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</tr>
<tr>
<td>Gavin P. Dunn, MD, PhD</td>
<td>BRAIN TUMOR IMMUNOLOGY AND IMMUNOGENOMICS</td>
<td>The lab studies the immune response to primary and metastatic brain tumors as well all aspects of CNS immunobiology.</td>
</tr>
<tr>
<td>Kristopher T. Kahle, MD, PhD</td>
<td>GENOMICS OF CONGENITAL NEUROSURGICAL DISORDERS</td>
<td>The lab uses computational genetics, integrative genomics, and humanized model systems to elucidate fundamental aspects of brain development and the pathogenesis of common pediatric neurosurgical diseases.</td>
</tr>
<tr>
<td>Shelley I. Fried, PhD</td>
<td>NEURAL PROSTHETIC</td>
<td>The lab seeks to improve the effectiveness of CNS-based neural prosthetics.</td>
</tr>
<tr>
<td>Pamela S. Jones, MD, MS, MPH</td>
<td>TRANSLATIONAL PITUITARY AND SKULL BASE LABORATORY</td>
<td>The lab seeks to better understand the spectrum of pituitary tumor biology and behavior by studying tumor specimen genomics, immunobiology, and clinical outcomes in the hopes of developing improved options for targeted therapy.</td>
</tr>
<tr>
<td>Name</td>
<td>Title</td>
<td>Research Focus</td>
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</tr>
<tr>
<td>Robert L. Martuza, MD</td>
<td>MOLECULAR NEUROSURGERY</td>
<td>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.</td>
</tr>
<tr>
<td>Samuel D. Rabkin, PhD</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Brian V. Nahed, MD, MSc</td>
<td>LIQUID BIOMARKERS FOR BRAIN TUMORS</td>
<td>The lab is developing the first blood test to diagnose and monitor patients with brain tumors.</td>
</tr>
<tr>
<td>Shannon Stott, PhD</td>
<td></td>
<td></td>
</tr>
<tr>
<td>John S. Pezaris, PhD</td>
<td>VISUAL PROSTHESIS</td>
<td>The lab works to restore sight to the blind by sending signals from a digital camera directly into the brain.</td>
</tr>
<tr>
<td>Mark Richardson, MD, PhD</td>
<td>BRAIN MODULATION LAB</td>
<td>The lab conducts human systems neuroscience research using intracranial recording and stimulation in patients undergoing surgery for epilepsy, movement disorders and psychiatric diseases.</td>
</tr>
<tr>
<td>Ganesh M. Shankar, MD PhD</td>
<td>CLINICALLY RELEVANT GENOMICS IN NEUROSURGICAL ONCOLOGY, MECHANOBIOLOGY OF SPINAL STENOSIS</td>
<td>The lab utilizes molecular biology and broad genomics of patient specimens to (1) develop rapid diagnostics for neurosurgical oncology and (2) characterize the biological basis of degenerative spine conditions.</td>
</tr>
<tr>
<td>Kathleen Sweadner, PhD</td>
<td>MEMBRANE BIOLOGY</td>
<td>The lab studies ATP-hydrolyzing enzymes control sodium, potassium and calcium movements.</td>
</tr>
<tr>
<td>Hiroaki Wakimoto, MD, PhD</td>
<td>BRAIN TUMOR STEM CELL</td>
<td>The lab develops novel therapeutic strategies for GBM through a better understanding of the biological and molecular characteristics of GBM stem cells.</td>
</tr>
<tr>
<td>Ziv Williams, MD</td>
<td>NEURONAL COMMUNICATION/RESTORATION</td>
<td>The lab probes mechanisms which neurons communicate locally and across cortical areas, and communication across areas disrupted within the CNS.</td>
</tr>
<tr>
<td>Theresa Williamson, MD</td>
<td>NEUROSURGICAL ETHICS AND DECISION MAKING</td>
<td>The lab studies the effect of patient-surgeon communication and decision making on outcomes using both big data analysis and qualitative methods.</td>
</tr>
</tbody>
</table>
Bryan D. Choi, MD, PhD
Massachusetts General Hospital
Instructor, Neurosurgical Oncology

Benjamin L. Grannan, MD
UW Medicine
Acting Instructor

Jimmy C. Yang, MD
Emory University SOM
Sr. Associate

Christopher Alvarez-Breckenridge, MD, PhD
Faculty, MD Anderson Cancer Center

Matthew Koch, MD
Faculty, UF Neurovascular

Robert Koffie, MD, PhD
Neuroscience Group of Wisconsin, Neurosurgical Spine

Sarah Bick
Vanderbilt
Assistant Professor, Functional Neurosurgery

Vijay Yanamadala
Hartford Healthcare Medical Group

Marcus Zachariah
Assistant Professor, University of Mississippi Neurosurgery Skull Base Oncology

Andrew Venteicher
University of Minnesota
Assistant Professor, Skull Base Neurosurgery

Christopher Stapleton
Massachusetts General Hospital
Instructor, Cerebrovascular Surgery
Assistant Residency Program Director

Matthew Mian
Colorado Carepoint
Functional Neurosurgery

Ganesh M. Shankar
Massachusetts General Hospital
Assistant Professor, Neurosurgical Spine
Assistant Residency Program Director

2016

Katie Fehnel
Boston Children’s Hospital
Assistant Professor, Director, Spinal Cord Tumor Program

2015

Navid Redjal
Capital Institute
Attending, Director of Neurosurgical Oncology

Brian Walcott
Keck Medicine of USC
Associate Professor, Cerebrovascular Neurosurgery

2014

Kris Kahle
Massachusetts General Hospital
Director of Pediatric Neurosurgery

2013

Gavin Dunn
Massachusetts General Hospital
Neurosurgical Oncology

John Barr
Duke Health
Assistant Professor, Neurosurgical Spine

2012

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

Sameer Sheth
Baylor College of Medicine Associate Professor, Vice Chair Research Functional Neurosurgery

2011

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

Rollin Hu
Kaiser Permanente
Attending, Neurosurgery

2010

Jason Gerrard
Yale
Assistant Professor, Director of Functional Neurosurgery

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

Travis Tierney
CHI Health, St. Mary’s, Nebraska City
Functional Neurosurgeon

2009

Pankaj Agarwalla
Rutgers Neurosurgery
Assistant Professor, Skull Base Neurosurgery

Anna Terry
New England Neurological Associates, P.C.
Christopher Farrell  
Jefferson Health  
Associate Professor, Skull Base and Endoscopic Surgery; Neurosurgical Oncology

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

2009  
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

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

2008  
Daniel Cahill  
Massachusetts General Hospital  
Associate Professor, Skull Base and Neurosurgical Oncology

Clark Chen  
University of Minnesota  
Professor, Neurosurgical Oncology

2007  
Manish Aghi  
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  
Hartford Healthcare Ayer Neuroscience Institute, Co-Physician-in-Chief

2005  
Brian Hoh  
University of Florida  
Professor, Chair of Neurosurgery; Chief of Cerebrovascular Surgery

Ekkehard Kasper  
Professor and Division Head, McMaster University

2004  
Albert Lee  
Tallahassee Neurological  
Attending, Neurosurgery

Sebi Amin-Hanjani  
UIC  
Professor Cerebrovascular Surgery; Residency Program Director

2003  
Steve Kalkanis  
Henry Ford Medical Group (HFMG)  
CEO, HFMG & Chief Academic Officer, Henry Ford Health System

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

2000  
Richard Chung  
Neurosurgical Associates of Santa Barbara  
Attending, Neurosurgery

Emad Eskandar  
Albert Einstein Medical Center  
Chief of Neurosurgery

1999  
Zoher Ghogawala  
Lahey Clinic  
Professor and Department Chair, Neurosurgical Spine

Bob Carter  
Massachusetts General Hospital  
Professor and Department Chair, Neurosurgical Oncology

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Professor and Department Chair, Neurosurgical Spine

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Professor and Department Chair, Neurosurgical Oncology

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Associate Professor, Skull Base and Neurosurgical Oncology

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Attending, Neurosurgery

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Professor, Chair of Neurosurgery; Chief of Cerebrovascular Surgery

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Professor and Division Head, McMaster University

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Professor and Department Chair, Functional Neurosurgery

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

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Henry Ford Medical Group (HFMG)  
CEO, HFMG & Chief Academic Officer, Henry Ford Health System

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Professor; Director of Pediatric Cerebrovascular Neurosurgery

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Attending, Neurosurgery

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Kell West Regional Hospital  
Chair, Department of Neurosurgery

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Albert Lee  
Tallahassee Neurological  
Attending, Neurosurgery

Sebi Amin-Hanjani  
UIC  
Professor Cerebrovascular Surgery; Residency Program Director

2000  
Richard Chung  
Neurosurgical Associates of Santa Barbara  
Attending, Neurosurgery

Emad Eskandar  
Albert Einstein Medical Center  
Chief of Neurosurgery

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, Neurosurgery

Stephen Tatter  
Wake Forrest  
Professor, Chief of Neurosurgical Oncology

1996  
Nicole Moyaeri  
Kaiser Permanente  
Associate Clinical Professor, UCSF

Peyman Pakzaban  
Houston MicroNeurosurgery

1995  
E. Antonio Chiocca  
Brigham & Women’s  
Attending, Neurosurgery

1994  
William Butler  
Massachusetts General Hospital  
Assistant Professor, Pediatric Neurosurgery

William Rosenberg  
Midwest Neurosurgery Associates  
Neurosurgeon

1993  
Andrea Halliday  
PeaceHealth  
Chief Clinical Officer & Chief Medical Officer

Richard Westmark  
Houston Spine & Neurosurgery Center  
Neurosurgeon

1992  
Jim Schumacher  
Sarasota Neurosurgery  
Attending, Neurosurgery

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

1991  
John Steichen  
Roper St. Francis Physicians Partners Neurosurgery & Spine  
Neurosurgeon

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

1990  
Kevin McGrail  
MedStar Georgetown  
Professor and Department Chair, Cerebrovascular Surgery

Allan Hamilton  
The University of Arizona  
Neurosurgeon, Executive Director, ASTEC

1989  
Debbie Petrucci  
Private Practice, New York  
Neurosurgeical Putnam Hospital Center

Joe Madsen  
Boston Children’s Hospital  
Professor, Pediatric Neurosurgery; Director, Epilepsy Surgery

To see more of our alumni visit massgeneral.org/neurosurgery/alumni
RESIDENCY IN BOSTON
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 Jamaicaway. 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.
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

4,500+ FOOD AND RETAIL ESTABLISHMENTS, INCLUDING 100+ FOOD TRUCKS

16 JAMES BEARD AWARD WINNERS

500+ ARTS AND CULTURE EVENTS PER YEAR

20+ BREWERIES

500+ ARTS AND CULTURE EVENTS PER YEAR