

NEUROSURGERY RESIDENCY PROGRAM



Massachusetts General Hospital
Founding Member, Mass General Brigham



HARVARD MEDICAL SCHOOL
TEACHING HOSPITAL

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

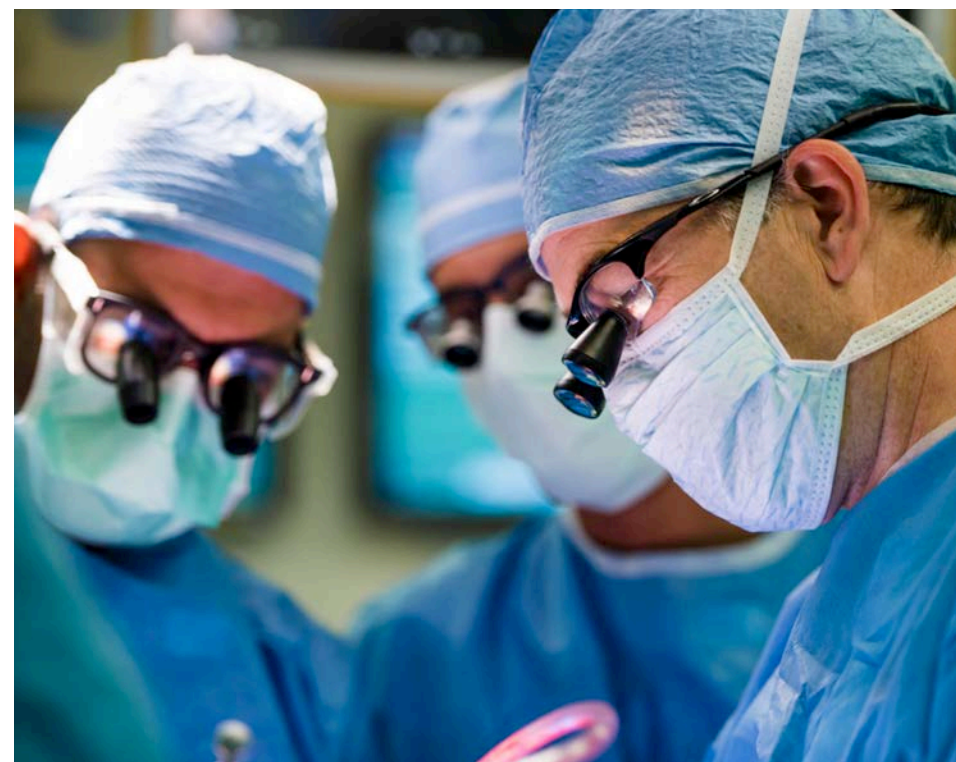
NEUROSURGICAL CLINICAL FACULTY

16

NEUROSURGICAL RESEARCH FACULTY

2 YEARS

DEDICATED TO RESEARCH AND FELLOWSHIP



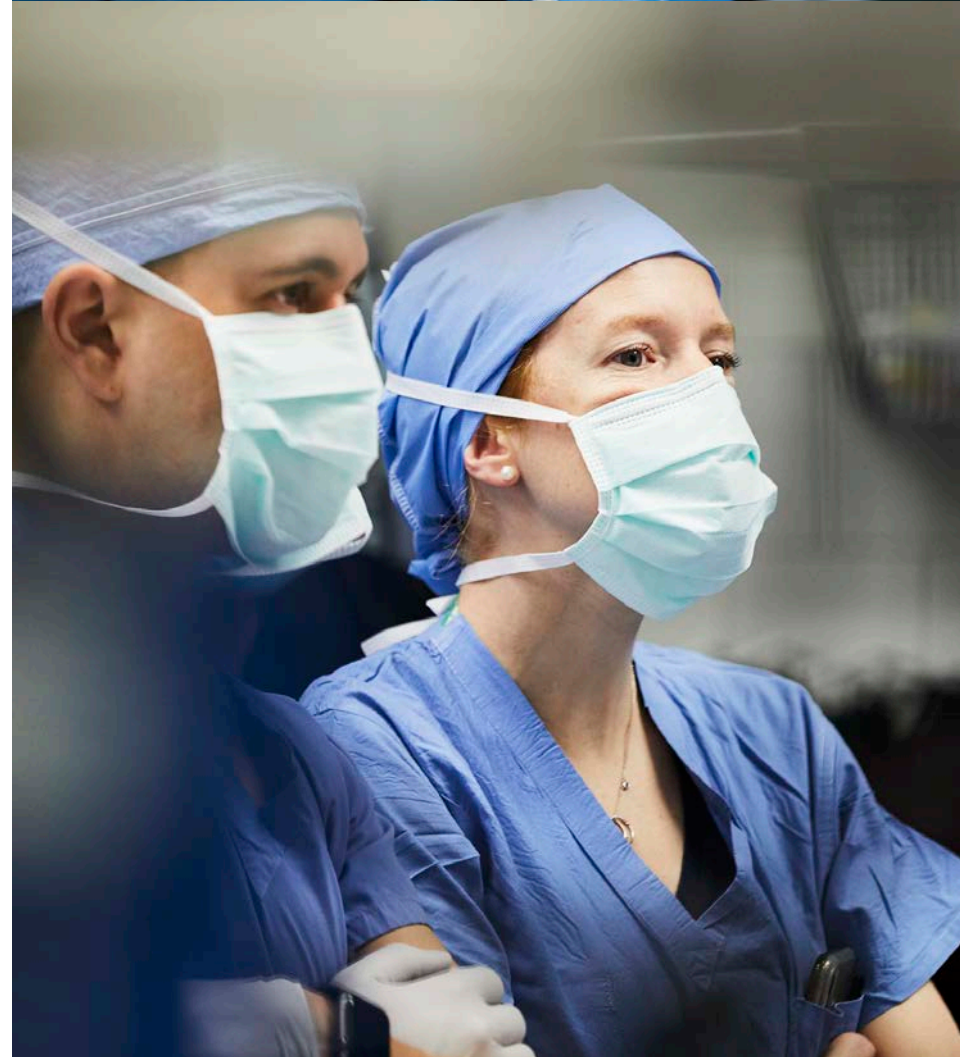
CLINICAL TRAINING PROGRAM

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

PGY1

General Surgery
(3 months)

Neurosurgery & ICU
(6 months)

Neurology Service
(3 months)

PGY2 + 3

East Team Junior
(4 months)

**West Team Junior/
Radiosurgery**
(4 months)

Boston Children's Hospital
(4 months)

North Team Junior
(4 months)

PGY4 + 5

Research/Fellowship

PGY6 + 7

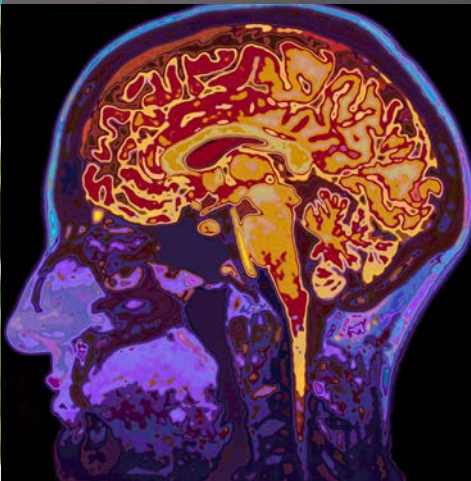
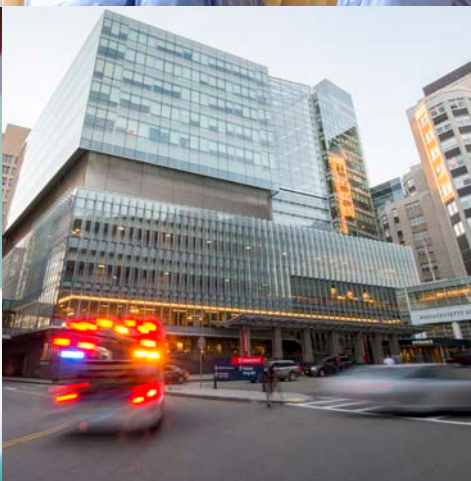
East Team Senior/Chief Resident
(4 months as R6 Senior and
4 months as R7 Chief)

West Team Senior/Chief Resident
(4 months as R6 Senior and
4 months as R7 Chief)

North Team Chief Resident
(2 months as R6 Senior/2 months as
R6 Chief and 4 months as R7 Chief)



NEUROSURGERY RESIDENTS



NEUROSURGERY RESIDENTS

PGY7



Amy Baohan, MD, PhD

UCLA Medical School
Columbia



Victoria Clark, MD, PhD

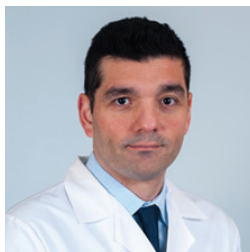
Yale Medical School
Harvard



Arjun Khanna, MD

Harvard Medical School
Duke

PGY6



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

PGY5



Gabriel Friedman, MD

Harvard Medical School
Pomona



Pranav Nanda, MD

Columbia University
Stanford



Amy Wang, MD

Harvard Medical School
Harvard University

“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, PGY7

NEUROSURGERY RESIDENTS

PGY4



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

PGY3



Kow A. Essuman, MD, PhD

Washington University in
St. Louis, School of Medicine
Temple University



**Robert M. Gramer,
MD, MEng.**

Duke University
School of Medicine
University of California, Irvine



**Nathaniel Sisterson,
MD, MSc.**

University of Pittsburgh,
School of Medicine
Northwestern University

PGY2



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

PGY1



Suk Joon (SJ) Lee, MD, PhD

Harvard Medical School
Dartmouth College



Briana Prager, MD, PhD

Case Western Reserve
University SOM
Harvard University



William J. Smith, MD

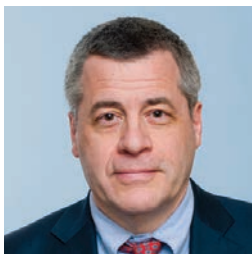
Geisel SOM at Dartmouth
Columbia University



CLINICAL FACULTY



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



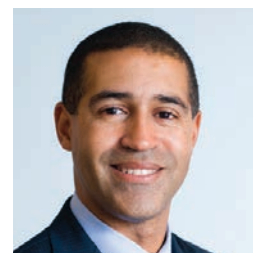
Paul Chapman, MD
Radiosurgery



Bryan D. Choi, MD, PhD
Neurosurgical Oncology



Jean-Valery Coumans, MD
Neurosurgical Spine



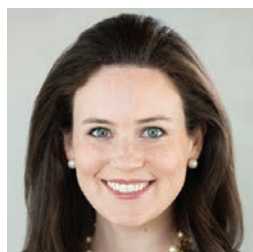
William Curry, MD
Neurosurgical Oncology



Gavin Dunn, MD, PhD
Neurosurgical Oncology



Tina Duhaime, MD
Pediatric Neurosurgery



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



Kristopher Kahle, MD, PhD
Pediatric Neurosurgery



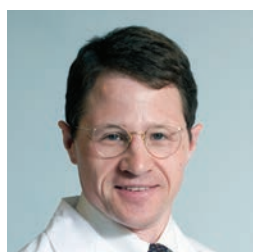
Robert L. Martuza, MD
Neurosurgical Oncology



Brian Nahed, MD, MSc
Neurosurgical Oncology



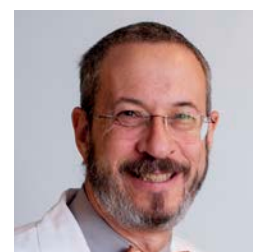
Aman Patel, MD
Neurovascular Surgery
Neuroendovascular



James Ravinov, MD
Neuroendovascular



Mark Richardson, MD, PhD
Functional Neurosurgery



Jeffrey Schweitzer, MD, PhD
Functional Neurosurgery

CLINICAL FACULTY



Ganesh M. Shankar, MD, PhD
Neurosurgical Spine



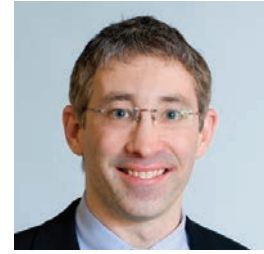
John Shin, MD
Neurosurgical Spine



Christopher J. Stapleton, MD
Neurovascular Surgery
Neuroendovascular



Brooke Swearingen, MD
Neurosurgical Oncology



Ziv Williams, MD
Functional Neurosurgery
Peripheral Nerve



Theresa Williamson, MD
Neurosurgical Spine



Nicholas Zervas, MD
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



PGY3+2

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)

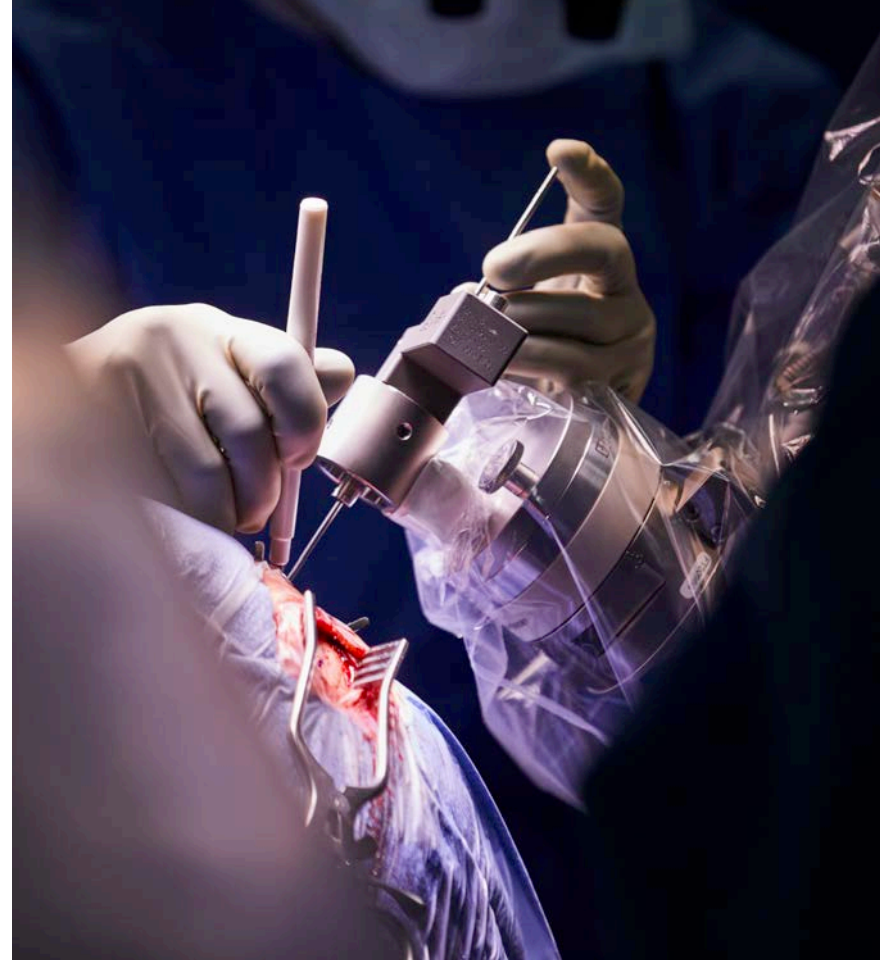
Residents focus on the surgical and nonsurgical care of brain tumor patients. In addition to the surgical skill, residents take part in the treatment and planning of single fraction radiosurgery, proton beam radiosurgery and the linear accelerator (LINAC).

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 (2 months as R6 Senior, 2 months as R6 Chief, and 4 months as R7 Chief)

The North Chief Resident is the administrative chief resident and sets the call schedule, operating room assignments, and has considerable responsibility for the teaching and supervision of other residents. In addition, The North Chief performs a wide spectrum of cases including trauma, cerebral hemorrhage and a variety of spinal cases. 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

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.

OVER 50%
OF MGH NEUROSURGERY RESIDENTS
ARE AWARDED GRANTS

MGH 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.
Bryan D. Choi, MD, PhD	BRAIN TUMOR IMMUNOTHERAPY The Brain Tumor Immunotherapy Lab uses cell and gene engineering to develop next-generation immune-based treatments (e.g., CAR T cells) for brain tumors, with a focus on understanding and addressing mechanisms of immune escape and evasion.
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.
Gavin P. Dunn, MD, PhD	BRAIN TUMOR IMMUNOLOGY AND IMMUNOGENOMICS The lab studies the immune response to primary and metastatic brain tumors as well all aspects of CNS immunobiology.
Kristopher T. Kahle, MD, PhD	GENOMICS OF CONGENITAL NEUROSURGICAL DISORDERS 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.
Shelley I. Fried, PhD	NEURAL PROSTHETIC The lab seeks to improve the effectiveness of CNS-based neural prosthetics.
Pamela S. Jones, MD, MS, MPH	TRANSLATIONAL PITUITARY AND SKULL BASE LABORATORY 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.

LABORATORY-BASED RESEARCH FACULTY

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

LIQUID 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.

Ganesh M. Shankar, MD PhD

CLINICALLY RELEVANT GENOMICS IN NEUROSURGICAL ONCOLOGY MECHANOBIOLOGY OF SPINAL STENOSIS

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.

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.

Theresa Williamson, MD

NEUROSURGICAL ETHICS AND DECISION MAKING

The lab studies the effect of patient-surgeon communication and decision making on outcomes using both big data analysis and qualitative methods.

MASS GENERAL ALUMNI

2022

Christine K. Lee, MD, PhD
Stanford Medicine
Clinical Instructor
Skull Base Surgery

Athar N. Malik, MD, PhD
Brown University
Assistant Professor
Functional Neurosurgery

Cameron Sadegh, MD, PhD
Boston Children's Hospital
Shillito Staff Associate / Fellows
Pediatric Neurosurgery

2021

Bryan D. Choi, MD, PhD
Massachusetts General Hospital
Assistant Professor
Neurosurgical Oncology

Benjamin L. Grannan, MD
University of Washington
Assistant Professor
Functional Neurosurgery

Jimmy C. Yang, MD
Ohio State University
Assistant Professor
Functional Neurosurgery

2020

Christopher Alvarez-Breckenridge, MD, PhD
MD Anderson Cancer Center
Assistant Professor
Neurosurgical Oncology

Matthew Koch, MD
UF Gainseville
Assistant Professor
Vascular Neurosurgery

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

2019

Sarah Bick, MD
Vanderbilt University Medical Center
Assistant Professor
Functional Neurosurgery

Vijay Yanamadala, MD
Hartford Hospital
Medical Director Spine Quality
Assistant Professor
Neurosurgical Spine

Marcus Zachariah, MD
University of Mississippi
Assistant Professor
Neurosurgical Skull Base

2018

Andrew Venteicher, MD PhD
University of Minnesota
Assistant Professor
Neurosurgical Skull Base

Christopher Stapleton, MD
Massachusetts General Hospital
Assistant Program Director
Assistant Professor
Vascular Neurosurgery

Matthew Mian, MD
Colorado Carepoint
Functional Neurosurgery

2017

Pankaj Agarwalla, MD
Rutgers Neurosurgery
Assistant Professor
Neurosurgical Skull Base

Katie Fehnel, MD
Boston Children's Hospital
Assistant Professor
Oncology / Director Spinal Tumors

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

2016

Anoop Patel, MD
Duke Neurosurgery
Assistant Professor
Neurosurgical Skull Base

Pamela S. Jones, MD, MS, MPH
Massachusetts General Hospital
Associate Program Director
Assistant Professor
Neurosurgical Oncology

Josh Aronson, MD
Dartmouth-Hitchcock
Assistant Professor
Director, Functional Neurosurgery

2015

Navid Redjal, MD
Capital Health Institute
Program Director
Neurosurgical Oncology

Brian Walcott, MD
Northshore Health System
Vascular Neurosurgery

Patrick Codd, MD
Duke University
Assistant Professor
Neurosurgical Skull Base

2014

Kris Kahle, MD, PhD
Massachusetts General Hospital
Director Pediatric Neurosurgery
Associate Professor
Pediatric Neurosurgery

Peter Fecci, MD, PhD
Duke University
Director, Brain Tumor Center
Professor
Neurosurgical Oncology

Anna Terry, MD
New England Neurological Associates
Neurosurgery / Spine

2013

Gavin Dunn, MD, PhD
Massachusetts General Hospital
Associate Professor
Neurosurgical Oncology

John Barr, MD
Duke University
Assistant Professor
Neurosurgical Spine

2012

David Jho, MD
Allegheny General Hospital
Director, Endoscopic Skull Base
Assistant Professor
Neurosurgical Skull Base

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

Eric Chang, MD
Providence Medical-Everett
Neurosurgery / Spine

2011

Brian Nahed, MD, MSc.
Massachusetts General Hospital
Program Director, Neurosurgery
Associate Professor
Neurosurgical Oncology

Rollin Hu, MD
Kaiser Permanente, L.A.
Neurosurgical Spine

2010

Jason Gerrard, MD, PhD
Yale University
Director, Functional Neurosurgery
Assistant Professor
Functional Neurosurgery

Wael Asaad, MD, PhD
Brown University
Director, Functional Neurosurgery
Associate Professor
Functional Neurosurgery

Travis Tierney, MD, PhD
CHI Health, St Mary's
Assistant Professor
Functional Neurosurgery

2009

Christopher Farrell, MD
Jefferson Neurosurgery
Associate Professor
Neurosurgical Skull Base

Manuel Ferreira, MD, PhD
University of Washington
Chief, Neurosurgical Oncology
Associate Professor
Neurosurgical Skull Base

2008

Daniel Cahill, MD, PhD
Massachusetts General Hospital
Professor
Neurosurgical Oncology

Clark Chen, MD, PhD
University of Minnesota
Chair, Neurosurgery
Professor
Neurosurgical Oncology

2007

Manish Aghi, MD, PhD
UCSF
Co-Director of Skull Base
Professor
Neurosurgical Skull Base

Ramin Amirnovin, MD
Inland Neurosurgery
Neurosurgery / Spine

2006

Ziv Williams, MD
Massachusetts General Hospital
Associate Professor
Peripheral Nerve
Functional and Epilepsy

Khalid Abbed, MD
Hartford Hospital
Co-Physician in Chief
Neurosurgical Spine

2005

Brian Hoh, MD
UF Gainseville
Chair, Neurosurgery
Professor
Vascular Neurosurgery

Ekkehard Kasper, MD, PhD
St. Elizabeth's Medical Center
Chief, Neurosurgery
Neurosurgery

2004

Joseph Neimat, MD
University of Louisville
Chair, Neurosurgery
Professor
Functional and Epilepsy

William Curry, MD
Massachusetts General Hospital
Chief Medical Officer
MGH Professor
Neurosurgical Oncology

2003

Steve Kalkanis, MD
Henry Ford Neurosurgery
CEO and Chief Academic Officer
Professor
Neurosurgical Oncology

Edward Smith, MD
Boston Children's Hospital
Director, Pediatric CerebroVascular
Professor
Pediatric Neurosurgery

2002

John Brisman, MD
NSPC
Neurosurgery

Yogish Kamath, MD
Wichita Falls
Neurosurgery / Spine

2001

Albert Lee, MD
TNC Brain and Spine
Assistant Professor
Neurosurgery / Spine

Sepi Amin-Hanjani, MD
Case Western Neurosurgery
Professor
Vascular Neurosurgery

2000

Richard Chung, MD
Cottage Hospital, Santa Barbara
Neurosurgery / Spine

Emad Eskandar, MD
Albert Einstein Medical Center
Chair, Neurosurgery
Professor
Functional and Epilepsy

1999

Zoher Ghogawala, MD
Lahey Clinic
Chair, Neurosurgery
Professor
Neurosurgical Spine

Bob Carter, MD, PhD
Massachusetts General Hospital
Chair, Neurosurgery
Professor
Neurosurgical Oncology

1998

Marius Maxwell, MD
Arctic Spine
Neurosurgery / Spine

Robert Friedlander, MD
University of Pittsburgh
Chair, Neurosurgery
Professor
Vascular Neurosurgery

1997

John Yu, MD
Cedar Sinai Medical Center
Director, Brain Tumor Center
Professor
Neurosurgical Oncology

Stephen Tatter, MD, PhD
Wake Forrest
Chair, Neurosurgery
Professor
Neurosurgical Oncology

1996

N. Nicole Moyaeri, MD
Cottage Hospital, Santa Barbara
Neurosurgery / Spine

Peyman Pakzaban, MD
Houston MicroNeurosurgery
Neurosurgery / Spine

1995

E. Antonio Chiocca, MD, PhD
Brigham and Women's Hospital
Chair, Neurosurgery
Professor
Neurosurgical Oncology

David Frim, MD
University of Chicago
Chair, Neurosurgery
Professor
Pediatric Neurosurgery

1994

William Butler, MD
Massachusetts General Hospital
Assistant Professor
Pediatric Neurosurgery

William Rosenberg, MD
Midwest Neurosurgery
Neurosurgery / Spine

1993

Andrea Halliday, MD
Peacehealth
Chief Medical Officer
Chief Clinical Officer
Neurosurgery

Richard Westmark, MD
Houston Spine Neurosurgery
Neurosurgery / Spine

1992

Jim Schumacher, MD
Sarasota Neurosurgery
Neurosurgery / Spine

Fred Barker, MD
Massachusetts General Hospital
Professor
Neurosurgical Oncology

1991

John Steichen, MD
Roper St Francis Neurosurgery
Neurosurgery / Spine

Chris Ogilvy, MD
Beth Israel Deaconess
Director, NeuroVascular
Professor
Vascular Neurosurgery

1990

Kevin McGrail, MD
Georgetown University
Chair, Neurosurgery
Vascular Neurosurgery

Allan Hamilton, MD
University of Arizona
Executive Director, ASTEC
Neurosurgery

1989

Debbie Petrucci, MD
NY / Putnam Neurosurgical
Neurosurgery

Joe Madsen, MD
Boston Children's Hospital
Director, Epilepsy
Professor
Functional and Epilepsy

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



RESIDENCY IN BOSTON



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%

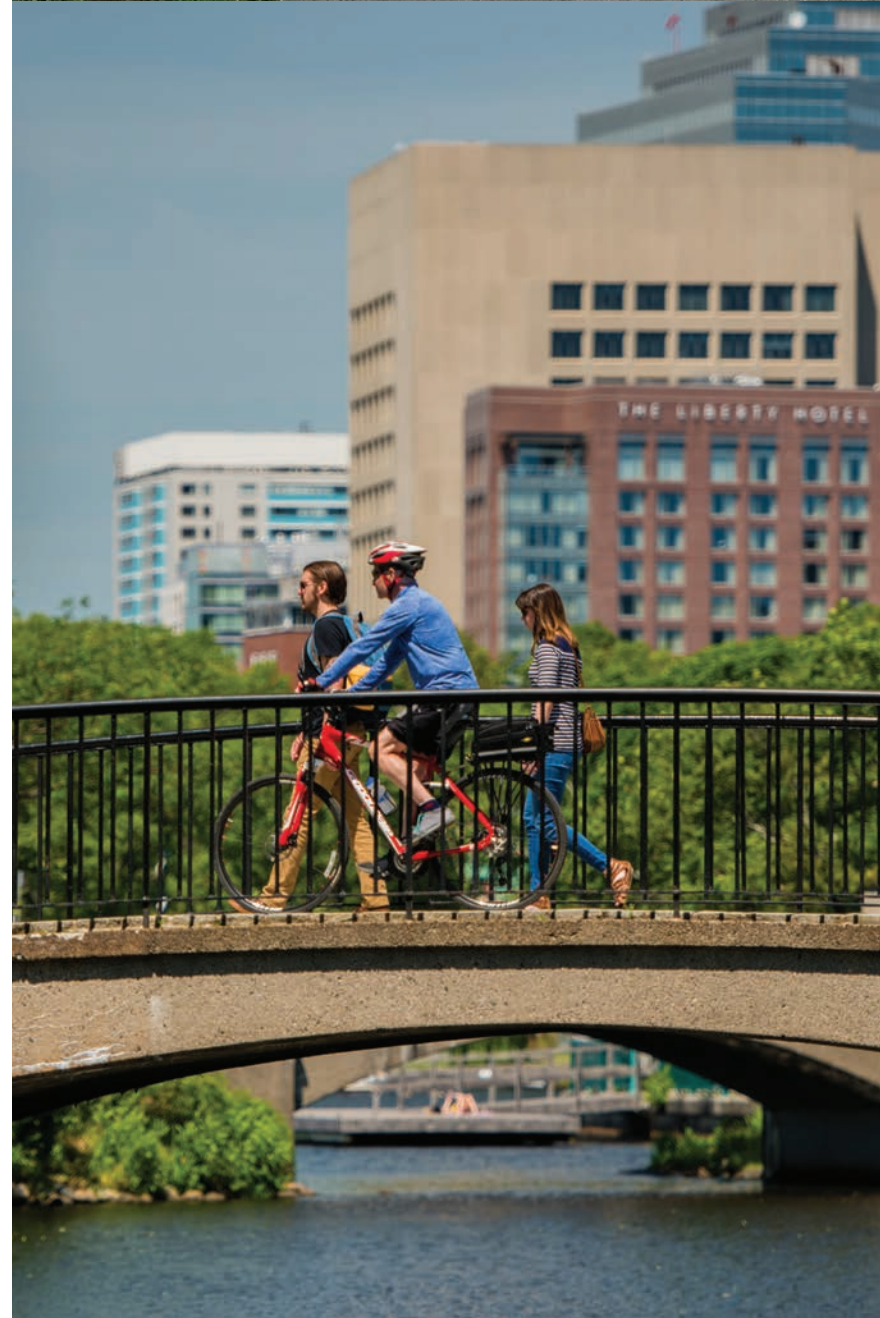
OF BOSTONIANS LIVE WITHIN
A 10-MINUTE WALK OF A PARK
OR OPEN SPACE

217

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

1

HOUR'S DRIVE
TO BEACHES,
LAKES, OR MOUNTAINS





Massachusetts General Hospital

Founding Member, Mass General Brigham

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*Some images shot prior to COVID-19 pandemic