

# Joseph Driver, MD

*Chief Resident, PGY-7*

## Education

Undergrad: Gonzaga University

MD: Loyola University Chicago - Stritch School of Medicine

## Hometown

Kennewick, WA

## Clinical & Research Interests:

Complex Spine Care

Spine Tumors

CNS Tumors

Molecular Genetics

Spine Outcomes

Technology & Innovation in Neurosurgery



## Honors & Awards

N/A

## [Publications](#)



# Walid Ibn Essayed, MD

*Chief Resident, PGY-7*

## Education

Undergrad: Medical Faculty of Tunis, Tunisia

MD: Medical Faculty of Tunis, Tunisia

## Hometown

Tunis, Tunisia

## Clinical & Research Interests:

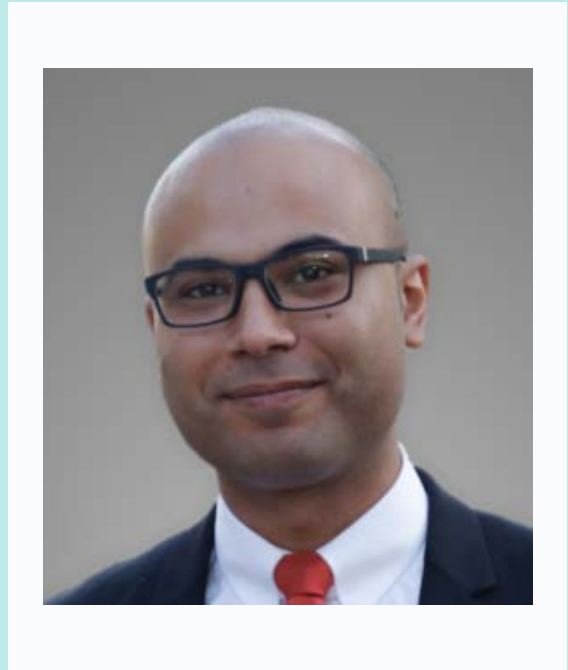
Skull Base Surgery

Open Vascular Surgery

Neuro-Oncology

Low Grade Gliomas

Tractography



## Honors & Awards

Brigham Innovation Award

Brigham Ignite Award

## [Publications](#)



# David Segar, MD

*Chief Resident, PGY-7*

## Education

Undergrad: Brown University

MD: Warren Alpert Medical School of Brown University

## Hometown

Davis, CA

## Clinical & Research Interests:

Functional Neurosurgery and Neuromodulation

Epilepsy

Focused Ultrasound

Stereotaxy and Surgical Robotics

Tumor Treating Fields



## Honors & Awards

N/A

## [Publications](#)



# Stanley Bazarek, MD, PhD

*Senior Resident, PGY-6*

## Education

Undergrad: Case Western Reserve University

MD/PhD: Rosalind Franklin University - Chicago Medical School

## Hometown

Chicago, IL

## Clinical & Research Interests:

Reconstructive Neurosurgery

Spasticity Control Stem Cell & Gene Therapy Approaches for  
Recovery of Neurological Function

Current Research Projects: Peripheral spinal motor neuron  
transplantation to enhance reconstructive strategies following  
paralyzing injuries

Peripheral gene delivery for pain modulation

Novel bladder control systems following spinal cord injury

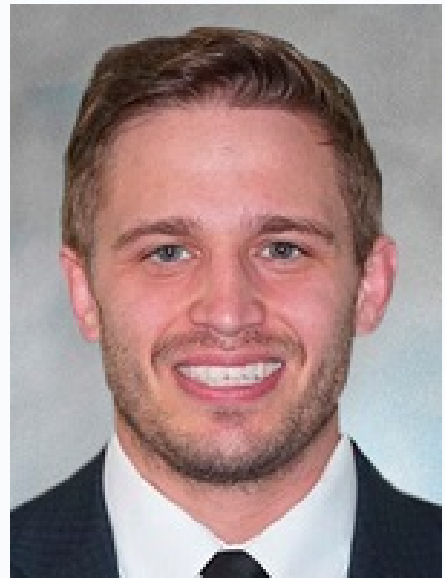
## Honors & Awards

Enfolded Fellowship in Neurosurgical Complex Spine Surgery at BWH with Michael Groff, MD, 2021-2022

Focused Clinical Rotation in Reconstructive Neurosurgery at MGH with Justin Brown, MD, 2020-2021

Neurosurgery Research Education Foundation (NREF) / Medtronic Research Fellowship Award, 2020-2021

## [Publications](#)



## Neil Klinger, MD

*Senior Resident, PGY-6*

### Education

Undergrad: Grand Valley State University

MD: Wayne State University School of Medicine

### Hometown

Brookline, MA

### Clinical & Research Interests:

Neurosurgery

### Honors & Awards

N/A



### [Publications](#)



# Martina Mustroph, MD, PhD

*Senior Resident, PGY-6*

## Education

Undergrad: Davidson College

MD/PhD: University of Illinois College of Medicine at Urbana

## Hometown

Aachen, Germany

## Clinical & Research Interests:

Neuromodulation

Epilepsy Surgery

Movement Disorder Treatment

Electrophysiology

Neural Recordings

Psychiatric Surgery



## Honors & Awards

Steven G. Holtzman Early Career Travel Award, College on Problems of Drug Dependence, 2017

Governor's Volunteer Service Award, Illinois State Department of Public Health, 2017

Granville Bennett Award for Medical Education, University of Illinois College of Medicine, 2017

Student Alumni Award, University of Illinois College of Medicine, 2017

David Mortimer Olkon Award for the senior most outstanding in Psychiatry, Neurology, or Neurosurgery, University of Illinois College of Medicine, 2017

P.E.O. Scholar Award, 2016

F30 Ruth L. Kirschstein NRSA, 2013-2017

Beckman Graduate Fellowship, 2012-2013

## [Publications](#)



# Benjamin Johnston, MD, PhD

*Research Resident, PGY-5*

## Education

Undergrad: Hamilton College

MD: Warren Alpert Medical School of Brown University

MS/PhD: Joint Program – UT Arlington & UT Southwestern  
Medical Center

## Hometown

Boston, MA

## Clinical & Research Interests:

Reconstructive Neurosurgery

Nociception Gene & Cell Therapies

Peripheral Nerve

Complex Spine Surgery

Spinal Cord Injury



## Honors & Awards

David Borsook Project Award - "Nociception targeting by localized AAV injection and expression of potassium channels",  
2022

NREF & Medtronic Research Fellowship Grant - "Optogenetic Motor Neuron Transplantation to Restore Bladder  
Contraction", 2021

## [Publications](#)



# Ari Kappel, MD

*Research Resident, PGY-5*

## Education

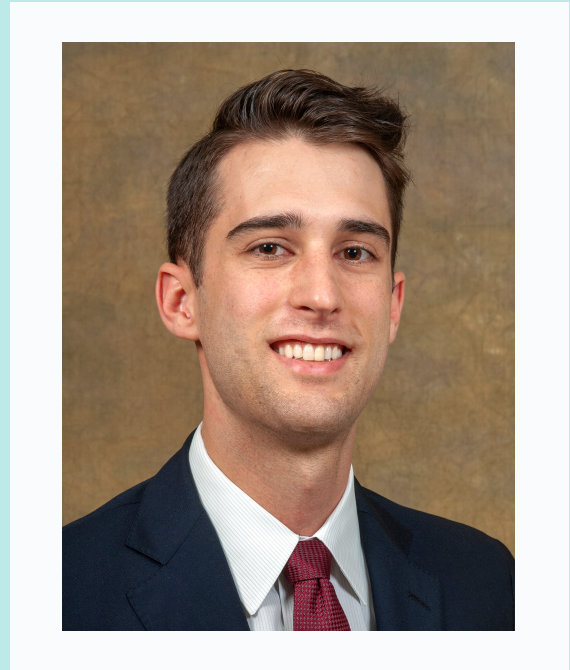
Undergrad: University of California, San Diego  
MD: Stony Brook University School of Medicine

## Hometown

Los Angeles, CA

## Clinical & Research Interests:

Cerebrovascular and Skull Base Neurosurgery  
Endovascular  
Aneurysms  
AVMs  
Neurocritical Care  
Pediatric Cerebrovascular Disease



## Honors & Awards

Enfolded Endovascular Neurosurgery Fellow, BWH, 2022-2023  
Pediatric Cerebrovascular Surgery Interventions Fellow, BCH, 2021-2022  
Academic Research Fellow, Department of Neurological Surgery, University of Pittsburgh SOM, 2017  
Cum Laude, UC San Diego, 2012  
Distinction in Biology, UC San Diego, 2012

## [Publications](#)



## Genaro Villa, MD, PhD

*Research Resident, PGY-5*

### Education

Undergrad/PhD: University of California, Los Angeles

MD: David Geffen School of Medicine at UCLA

### Hometown

Camarillo, CA

### Clinical & Research Interests:

Glioblastoma

### Honors & Awards

NREF & StacheStrong Research Fellowship Grant on behalf of the AANS/CNS Section on Tumors, Mass General Brigham, Boston, MA, 2021-2022

National Institutes of Health, Mass General Brigham Training Program (T32) Grant in Precision & Genomic Medicine 2021, Mass General Brigham, Boston, MA (deferred)

Edith and Carl Lasky Memorial Research Award, UCLA School of Medicine, Los Angeles, CA, 2018

European Society of Medical Oncology Anticancer Therapies Conference, Invited Speaker, Paris, France, 2018

Leslie and Susan Gonda Medical Scientist Training Program Fellowship, UCLA School of Medicine, 2017-2018

National Institutes of Health Ruth L. Kirschstein National Research Service Award (F31), UCLA, 2014-2017



### [Publications](#)



# Joshua Bernstock, MD, PhD

*Research Resident, PGY-4*

## Education

Undergrad: Brandeis University

MD: University of Alabama, Birmingham

PhD: University of Cambridge, UK

## Hometown

Yonkers, NY

## Clinical & Research Interests:

Stem Cells

Glioblastoma

Experimental Therapeutics/Diagnostics

Immunotherapies

Ischemia



## Honors & Awards

Alpha Omega Alpha (Member of AOA)

ABTA Medical Student Summer Fellowship (American Brain Tumor Association)

Translational Award for Advances in Medical Science (International Biomedical Alliance and National Institutes of Health)

Oxford-Cambridge Scholar (National Institutes of Health)

Intramural Research Training Award (National Institutes of Health)

Medical Scientist Training Program, MD/PhD (University of Alabama at Birmingham)

## [Publications](#)



# Melissa Chua, MD

*Research Resident, PGY-4*

## Education

Undergrad: Boston University

MD: Boston University School of Medicine

## Hometown

Singapore

## Clinical & Research Interests:

Focused Ultrasound Thalamotomy

Tractography

Movement Disorders

Epilepsy

Neuromodulation



## Honors & Awards

World Society for Stereotactic and Functional Neurosurgery Travel Grant, 2022

Congress of Neurological Surgeons Best Operative Technique Award (Stereotactic and Functional), 2020

Boston University School of Medicine Edward L. Spatz, M.D. Award for Excellence in Neurosurgery, 2019

AQA Carolyn L. Kuckein Student Research Fellowship, 2018

Boston University School of Medicine Babur Z. Khaliq Memorial Scholarship, 2014

Boston University School of Medicine Medical Student Summer Research Program Scholarship, 2014

## [Publications](#)



# Saksham Gupta, MD

*Research Resident, PGY-4*

## Education

Undergrad: Johns Hopkins University

MD: Harvard Medical School

## Hometown

Acton, MA

## Clinical & Research Interests:

Skull Base Surgery

Global Surgery

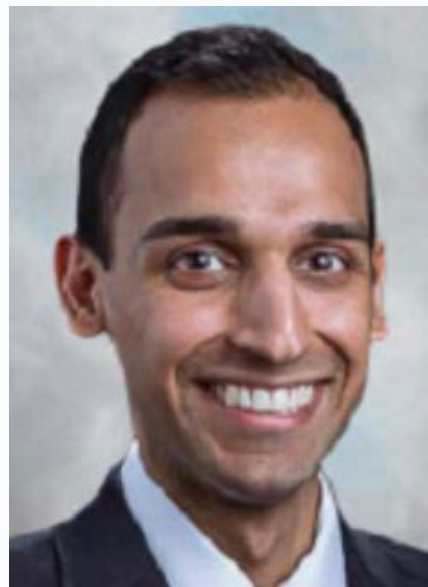
## Honors & Awards

Paul Farmer Global Surgery Fellowship, 2022-2024

HMS Scholars in Medicine Travel Grant, 2018

ABTA Summer Fellowship, 2018

Phi Beta Kappa, 2015



## [Publications](#)



# Marcelle Altshuler, MD

*Junior Resident, PGY-3*

## Education

Undergrad: University of Florida, Gainesville

MD: Georgetown University School of Medicine

## Hometown

Jacksonville, FL

## Clinical & Research Interests:

Skull Base

Anatomy

Neurosurgical Education

Women in Neurosurgery

Global Neurosurgery



## Honors & Awards

Neurosurgery Research and Education Foundation, Medical Student Research Fellowship, 2019

AANS 2nd Place Stereotactic and Functional Poster Award, Annual Meeting San Diego, 2019

National Institute of Health Research Fellowship, 2018

## [Publications](#)



# Joshua Chalif, MD, PhD

*Junior Resident, PGY-3*

## Education

Undergrad: Dartmouth College

MD/PhD: Vagelos College of Physicians and Surgeons  
at Columbia University

## Hometown

Huntington, NY

## Clinical & Research Interests:

Spine

Locomotion

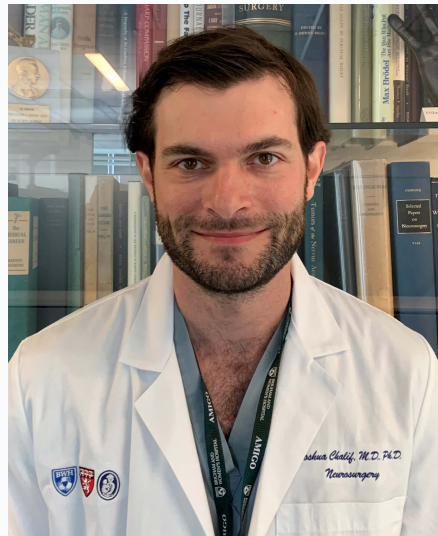
Spinal Cord Injury

Circuits Neuroscience

## Honors & Awards

N/A

## [Publications](#)



# Jason Chen, MD, PhD

*Junior Resident, PGY-3*

## Education

Undergrad: Duke University

MD/PhD: David Geffen School of Medicine at UCLA

## Hometown

Gainesville, FL

## Clinical & Research Interests:

Neurodegenerative Diseases

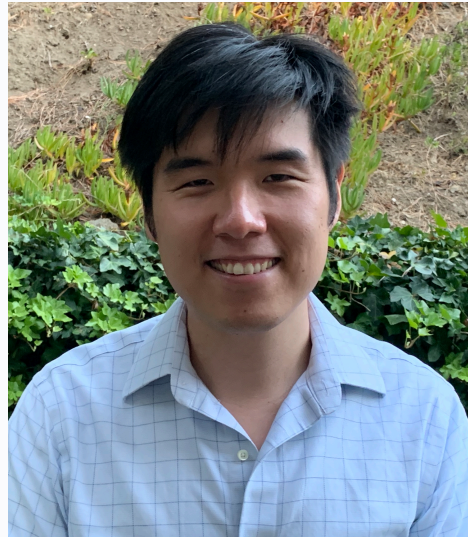
Genetics & Bioinformatics

Medical Devices

Functional Neurosurgery

## Honors & Awards

Forbes 30 Under 30, 2020



## [Publications](#)



# Casey Jarvis, MD

*Junior Resident, PGY-2*

## Education

Undergrad: Cornell University

MD: Keck School of Medicine of the University of  
Southern California, Los Angeles

## Hometown

Los Angeles, CA

## Clinical & Research Interests:

Tumors

Pediatrics

## Honors & Awards

N/A

## [Publications](#)



## Seán Lyne, MD

*Junior Resident, PGY-2*

### Education

Undergrad: Westminster College

MD: University of Chicago Pritzker School of Medicine

### Hometown

Brandon, Ireland

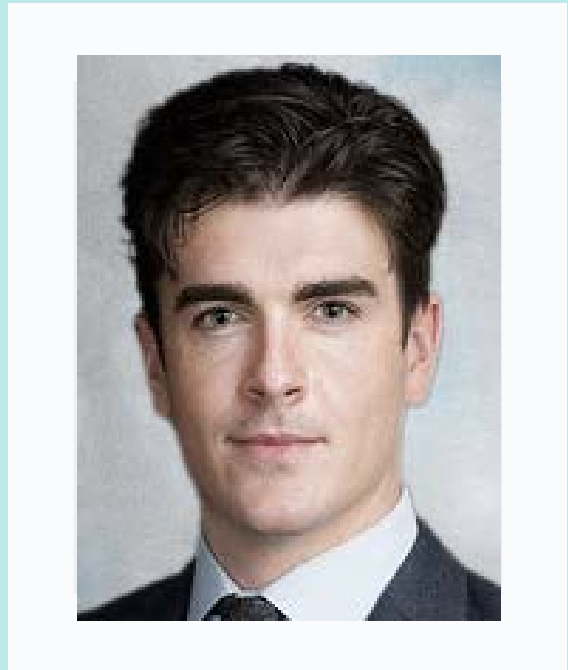
### Clinical & Research Interests:

N/A

### Honors & Awards

N/A

### [Publications](#)



# James Tanner McMahon, MD

*Junior Resident, PGY-2*

## Education

Undergrad: New York University

MD: Emory University School of Medicine

## Hometown

Summit, NJ

## Clinical & Research Interests:

Neuro-Oncology

Cerebrovascular/Endovascular

Pediatrics

Neurocritical Care



## Honors & Awards

Co-Principal Investigator, \$25,000 Emory Medical Care Foundation (EMCF) Grant, 2020

Eldon Langston Bolton M.D. Service Award, 2021

Joseph B. Whitehead Surgery Scholarship, 2020

AANS/CNS 2020 Joint Tumor Section: Bronze Award, 2020

William T. Branch Jr. Scholarship Award, 2020

## [Publications](#)



# Adam Glaser, MD

*First Year Resident, PGY-1*

## Education

Undergrad: Middlebury College

MD: Dartmouth Geisel School of Medicine

## Hometown

Washington, D.C.

## Clinical & Research Interests:

Epilepsy

Focused Ultrasound

Brain Computer Interfaces

Machine Learning

## Honors & Awards

NESCAC Rookie of the Year

First Team all-NESCACx3

NCAA Academic All American

Middlebury Soccer Career Points Leader



## [Publications](#)



# David Liu, MD

*First Year Resident, PGY-1*

## Education

Undergrad: Brown University

MD: Warren Alpert Medical School of Brown University

## Hometown

Gainesville, FL

## Clinical & Research Interests:

Epilepsy and Functional (especially psychiatric) Neurosurgery

Cognitive Neurosurgery and AI

Brain Mapping

Complex Spine Surgery

## Honors & Awards

Stanley Aronson Neuroscience Prize, Brown University, 2022

Governor's Distinctive Service Award, State of Rhode Island, 2021

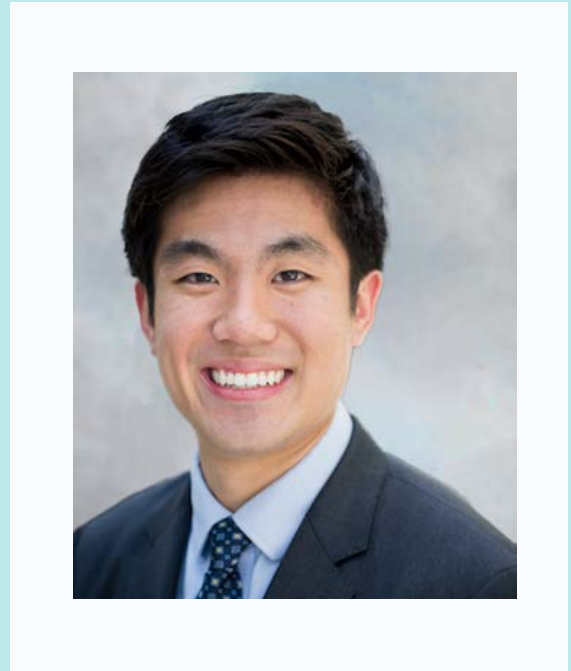
Ruth Sauber Research Fellowship, Brown University, 2021

World Neurosurgery Editor's Choice, January 2020

World Neurosurgery Editor's Choice, March 2019

Brown-Oxbridge Fellow, Mathematics, 2016

First Place, MIT Hacking Medicine Hackathon, 2015



## [Publications](#)



# Gabrielle Luiselli, MD

*First Year Resident, PGY-1*

## Education

Undergrad: Tufts University

MD: University of Massachusetts Medical School

## Hometown

Carlisle, MA

## Clinical & Research Interests:

Pediatric Neurosurgery

Hydrocephalus

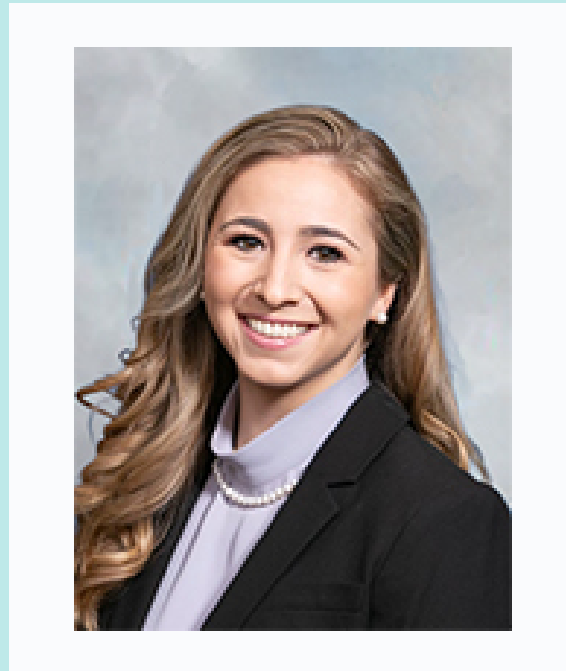
Neuro-Oncology

## Honors & Awards

Alpha Omega Alpha, UMass Chan Medical School

John Estathiou Memorial Award, UMass Chan Medical School

Magna Cum Laude, Tufts University



## [Publications](#)

