

**CURRICULUM VITAE**  
**Jennifer Moliterno, MD, FAANS**

**Version date:** 10/05/2023

**Name:** Jennifer Moliterno, MD, FAANS

**Proposed for:** Promotion to Professor, Department of Neurosurgery, Clinician Educator Track

**Term:** Primary Appointment: beginning July 1, 2019 to June 30, 2024

**School:** Yale School of Medicine

**Education:**

2001 – BSc, Psychology, University of Florida, Gainesville, FL

2005 – MD, Honors in Research, University of Florida, Gainesville, FL

**Career Appointments:**

2005 – 2006 Intern, Department of Surgery, Yale New Haven Hospital, New Haven, CT

2007 – 2008 Robert Wood Johnson Clinical Scholars Program, Yale School of Medicine, New Haven, CT

2008 – 2009 Clinical Research Fellow in Neurosurgical Oncology, Department of Neurological Surgery, New York Presbyterian Hospital/Weill Cornell Medical Center, New York, NY

2006 – 2011 Resident, Department of Neurosurgery, Yale New Haven Hospital, New Haven, CT

2011 – 2012 Chief Resident, Department of Neurosurgery, Yale New Haven Hospital, New Haven, CT

2012 – 2013 Surgical Fellow in Neurosurgical Oncology, Department of Neurosurgery, Memorial Sloan Kettering Cancer Center, New York, NY

**Academic Appointments:**

2013 – 2019 Assistant Professor, Department of Neurosurgery, Yale School of Medicine, New Haven, CT

2019 – Associate Professor, Department of Neurosurgery, Yale School of Medicine, New Haven, CT

**Hospital Administrative Positions:**

2018 – Director, Multidisciplinary Primary Central Nervous System Tumor Board, Yale School of Medicine, Smilow Cancer, Yale New Haven Hospital, New Haven, CT

2018 – Director, Multidisciplinary Precision Brain Tumor Board, Yale School of Medicine, Smilow Cancer Hospital, Yale New Haven Hospital, New Haven, CT

2018 – Chief, Neurosurgical Oncology, Department of Neurosurgery, Yale School of

## **Jennifer Moliterno, MD, FAANS**

Medicine, Smilow Cancer Hospital, Yale New Haven Hospital, New Haven, CT  
2019 – 2021 Co-Director, Yale Brain Tumor Center at Smilow Cancer Hospital, New Haven, CT  
2021 – Director, The Susan Beris MD Neurosurgical Oncology Program, Yale New Haven Hospital, New Haven, CT  
2021 – Clinical Director, The Chenevert Family Brain Tumor Center, New Haven, CT

### **University Administrative Positions:**

2017 – 2020 Associate Program Director, Residency Program, Department of Neurosurgery, Yale School of Medicine, New Haven, CT  
2018 – 2020 Elected Chair, Education Committee, Dept. Neurosurgery, Yale School of Medicine, New Haven, CT  
2018 – Chief, Neurosurgical Oncology, Department of Neurosurgery, Yale School of Medicine, Smilow Cancer Hospital, Yale New Haven Hospital, New Haven, CT  
2020 – Director, CAST-accredited Neurosurgical Oncology Fellowship Program, Department of Neurosurgery, Yale School of Medicine, New Haven, CT  
2022 – Surgical Director, Facial Pain and Spasm Program, Department of Neurosurgery, Yale School of Medicine, New Haven, CT

### **Board Certification:**

2016 American Board of Neurological Surgery, November

### **Professional Honors & Recognition:**

#### **International/National/Regional**

1998 – 2001 President's Honor Roll for GPA of 4.0, University of Florida  
2001 Phi Beta Kappa, University of Florida  
2005 Honors in Research  
2008 Top Clinical Abstract Award, New England Neurosurgical Society Annual Meeting  
2009 Louise Eisenhardt Award, American Association of Neurological Surgeons  
2012 Outstanding Young Alumni Award, University of Florida  
2020 Integra Foundation Brain Tumor Research Award for Highest Scoring Scientific Abstract, Section on Tumors, Congress of Neurological Surgeons

### **Hospital**

2021 Yale Cancer Center Award for Clinical Excellence

### **Grant/Clinical Trials History:**

#### ***Current Grants/Clinical Trials***

Agency: NIH / NCI  
ID#: U19CA264362  
Title: "Center of Innovation for Brain Tumor Therapeutics"  
PI: Jann Sarkaria, MD, Ranjit Bindra, MD, PhD,

Evanthia Galanis, MD Antonio Omuro, MD

Role on project: Investigator

Project period: 2022 – current

Agency: NIH / NCI

ID#: R01CA266757

Title: “Targeting T cell dysfunction in glioblastoma: A proof-of-concept Phase 0/1 trial of anti-TIGIT antibody AB154 in combination with anti-PD1 antibody AB122”

PI: Antonio Omuro, MD

Role on project: Investigator

Total costs: \$3,416,600

Project period: 02/15/2022 - 12/31/2026

Agency: NIH / NIBIB

I.D.# 1R01CA280871-01

Title: “Interleaved 1H/23Na imaging for invasive and proliferative phenotypes of brain tumors”

PI: Fahmeed Hyder, PhD

Role on project: Investigator

Total costs: \$2,266,094

Project period: 03/01/2023 – 02/28/2027

Agency: NIH / NIDDS

I.D.# R21NS131852

Title: “Elucidate genetic regulation of GBM differentiation”

PI: Jiangbing Zhou, PhD

Role on project: Investigator

Total costs: \$460,625

Project period: 04/01/2023 - 03/31/2025

Agency: CT Brain Tumor Alliance

Title: “Clinical Correlations of Brain Tumor Genomics”

PI: Jennifer Moliterno, MD

Role on project: Principal Investigator

Total costs: \$97,500

Project period: 2020 - current

Agency: Arcus Biosciences, Inc.

Title: “Targeting immunosuppression in glioblastoma: Proof of concept phase 1/1B trial of anti-TIGIT antibody AB154 as single agent and in combination with anti-PD1 antibody AB122”

PIs: Jennifer Moliterno, MD Antonio Omuro, MD David Hafler, MD

Role on project: Yale Site Surgical Principal Investigator

Project period: 2020 - current

Agency: Gateway for Cancer Research

ID#: G-21-200

Title: “Exploiting mutant IDH1/2-induced DNA repair defects in a Phase I/II trial”

Yale Site Principal

PI: Ranjit Bindra, MD, PhD

Role on project: Investigator

Total costs: \$509,264

Project period: 12/01/2021 - 11/30/2024

Agency: North American Skull Base Society

Title: “Effect of Somatic Driver Mutations on Type of Bony Involvement of Sporadic Skull Base Meningiomas”

PI: Jennifer Moliterno, MD

Role on project: Principal Investigator

Project period: 2022 – current

***Philanthropic Research Support***

Beris Fund \$211,960 (Further support committed)

Other \$20,830

***Pending Clinical Trials and Grants***

Agency: NIH

Title: “Polyphenol nanoparticles for glioblastoma treatment and drug delivery”

PI: Jiangbing Zhou, PhD

Role on project: Co-Principal Investigator

Total costs: \$3,603,441

Project period: Applied, Proposed for: 04/01/2024 – 03/31/2029

Agency: NIH / NCI

Title: “Single-cell-resolution phenotypic and molecular clinical outcome predictors in brain cancers”

ID#: R01CA263618

PI: Jennifer Moliterno, MD

Role on project: Principal Investigator (Contact PI)

Total costs: 3,901,574

Project period: Re-submission 03/2024

Agency: NIH / NCI  
Title: "RACE to predict clinical outcomes in meningioma"  
ID#: R21CA264058  
PI: Jennifer Moliterno, MD  
Role on project: Principal Investigator (Contact PI)  
Total costs: \$460,625  
Project period: Re-submission 03/2024

***Past Grants/Clinical Trials***

Agency: TRAD  
I.D.# HIC# 1406014067  
Title: "TAU-2014-1: Phase I Trial of Mibefradil Dihydrochloride with Hypofractionated Re-Irradiation Therapy in Treating Patients with Recurrent Glioblastoma Multiforme (GBM)"  
PI: Ranjit Bindra, MD, PhD  
Role on project: Co-Investigator  
Project period: 8/2014-3/2017

Agency: TRAD  
I.D.# HIC# 1511016810  
Title: AbbVie M13-813/RTOG 3508: A Randomized, Placebo Controlled Phase 3 Study of ABT-414 with Concurrent Chemoradiation and Adjuvant Temozolomide in Subjects with Newly Diagnosed Glioblastoma (GBM) with Epidermal Growth Factor Receptor (EGFR) Amplification (Intelligence1)  
PI: Joseph Contessa, MD, PhD  
Role on project: Investigator  
Project period: 6/2016-12/2017

Agency: Tocagen, Inc HIC# 1509016502  
Title: "A Phase II/III, Randomized, Open-Label Study of Toca 511, a Retroviral Replicating Vector, Combined with Toca FC versus Standard of Care in Subjects Undergoing Planned Resection for Recurrent Glioblastoma or Anaplastic Astrocytoma"  
PI: Jennifer Moliterno, MD  
Role on project: Yale Site Principal Investigator  
Project period: March 2016-2020

**Invited Speaking Engagements, Presentations, Symposia Not Affiliated with Yale**

***National/International***

1. "Neurosurgical Career Update," Memorial Sloan-Kettering Grand Rounds, New York,

1. NY, 2019.
2. “Neurosurgical Management and Precision Medicine for Brain Tumors,” Bachesir University, Istanbul, Turkey, 2019.
3. “The Clinical Implications of the Meningioma Genomic Subgroups,” Northwell/LIJ Department of Neurosurgery, Manhasset, NY, 2019.
4. “The Clinical Implications of the Meningioma Genomic Subgroups,” University of Florida Department of Neurosurgery, Gainesville, FL, 2019.
5. “Awake Craniotomy,” University of Connecticut, Farmington, CT, 2021.
6. “Meningioma Biology,” Gamma Knife Radiosurgery Symposium, Istanbul, Turkey - *talk given by web due to covid-19*, 2021.
7. “Meningioma Recurrence and Genomic Drivers,” Dana Farber Cancer Institute, Boston, MA - *talk given by web due to covid-19*, 2021.
8. “Surgical Strategies Based on Meningioma Genomic Subgroup,” The Turkish Society of Neurosurgery, Istanbul, Turkey, 2021.
9. “The Clinical Implications of the Genomics of Meningiomas,” University of Miami, Department of Neurosurgery Grand Rounds, Miami, FL, 2021.
10. The Young Neurosurgeons/Section on Tumors Reception Keynote Speech, “How to Build a Brain Tumor Surgical Practice,” Austin, TX, 2021.
11. “Updated WHO Criteria,” for the Society of Neuro-Oncology, Medscape Webinar Series, 2021.
12. “What is a High-Risk Meningioma,” Congress of Neurological Surgeons Annual Meeting, Austin, TX, 2021.
13. “What is a High-Risk Meningioma,” Society of Neuro-Oncology Annual Meeting, Boston, MA, 2021.
14. The Wharen Distinguished Lecture, “The Clinical Implications of the Genomics of Meningiomas,” Mayo Clinic, Jacksonville, FL - *talk given by web due to covid-19*, 2021.
15. “Building Interdepartmental Collaborations and Multidisciplinary Initiatives,” Congress of Neurological Surgeons: The Basis of a Rewarding Neurosurgical Career: A Career Guide for New Attending Physicians and Fellows, Las Vegas, NV, 2022.
16. “Surgical Strategies for Primary Brain Tumors,” The National Institute of Health SEER Registrar Meeting, Bethesda, MD, 2022.
17. “The Clinical Implications of the Meningioma Genomic Subgroups,” Albert Einstein School of Medicine Department of Neurosurgery Grand Rounds, Brooklyn, NY, 2022.
18. “Tumor Section Update,” Congress of Neurological Surgeons Annual Meeting, San Francisco, CA, 2022.
19. “The Clinical Implications of the Genomics of Meningiomas,” Walter E. Dandy Neurosurgical Club, Lima, Peru, 2022.
20. “The Clinical Implications of the Genomics of Meningiomas,” The Congress of the Society of Neuro-Oncology of Latin America, Brazilia, Brazil, 2022.
21. “The Clinical Implications of the Genomics of Meningiomas,” Tufts Department of Neurosurgery Grand Rounds, Boston, MA, 2022.
22. “Promoting Diversity in Skull Base Surgery,” North American Skull Base Society

- Annual Meeting, Tampa, FL, 2023.
23. “Molecular Strategy to the Surgical Management of Meningiomas,” American Association of Neurological Surgeons Annual Meeting, Los Angeles, CA, 2023.
  24. “The Clinical Implications of the Genomics of Meningiomas,” International Rhoton Society Meeting, Istanbul, Turkey, 2023.
  25. “The Clinical Implications of the Genomics of Meningiomas,” The Neurosurgical Atlas International Webinar, 2023.
  26. “The Clinical Implications of the Genomics of Meningiomas,” Columbia Department of Neurosurgery Grand Rounds, New York, NY, 2023.
  27. “Mentorship in Neurosurgery,” Women in Neurosurgery/Lenox Hill Hospital Webinar
  28. “The Clinical Implications of the Genomics of Meningiomas,” University of Texas at Austin Department of Neurosurgery Grand Rounds, Austin, TX, 2023.
  29. “The Clinical Implications of the Genomics of Meningiomas,” Johns Hopkins Department of Neurosurgery Grand Rounds, Baltimore, MD, 2023.
  30. Keynote Speaker, “The Clinical Implications of the Genomics of Meningiomas,” Interurban Society Meeting of Chicago, Chicago IL, 2024 (accepted).
  31. Keynote Speaker and Dissection Teacher, “Skull Base Surgical Approaches,” University of Wisconsin Surgical Anatomy Course, Madison, WI, 2024 (accepted).

***Regional***

1. “The Current Practice of the Surgical and Personalized Management of Brain Tumors,” St. Francis Hospital Department of Surgery Grand Rounds, Hartford, CT, 2017.
2. “The Current Practice of the Surgical and Personalized Management of Brain Tumors,” University of Connecticut Hospital Department of Neurology, Farmington, CT, 2017.
3. “The Current Practice of the Surgical and Personalized Management of Brain Tumors,” Greenwich Hospital Department of Medicine, Greenwich, CT, 2018.
4. “Advances in the Treatment of Brain Tumors,” TRAC Education Meeting, New Haven, CT, 2019.
5. “The Current Practice of the Surgical and Personalized Management of Brain Tumors,” Middlesex Hospital Department of Medicine Grand Rounds, Middletown, CT, 2019.
6. “Surgical Strategies for Primary Brain Tumors,” Greenwich Hospital Tumor Board, Greenwich, CT, 2021.
7. “Awake Craniotomy,” University of Connecticut School of Medicine, Farmington, CT, 2021.
8. “Surgical Strategies for Primary Brain Tumors,” Susan Beris, MD Symposium Webinar with CT Brain Tumor Alliance, 2021.
9. “Awake Craniotomy,” University of Connecticut School of Medicine, Farmington, CT, 2022.
10. “Awake Craniotomy,” University of Connecticut School of Medicine, Farmington, CT, 2023.

***Yale***

1. “Clinical Trials of the New York Brain Tumor Project,” Yale Department of Neurosurgery Grand Rounds, 2008.
2. “ASCO Update for Neuro-Oncology,” Smilow Cancer Hospital ASCO Update Seminar, New Haven, CT, 2018.
3. “The Current Practice of the Surgical and Personalized Management of Brain Tumors,” Smilow Cancer Hospital Grand Rounds, New Haven, CT, 2018.
4. “The Current Practice of the Surgical and Personalized Management of Brain Tumors,” Section of Neuro-Oncology, New Haven, CT, 2018.
5. “The Current Practice of the Surgical and Personalized Management of Brain Tumors,” Yale Brain Tumor Program Education Seminar, New Haven, CT, 2018.
6. “The Current Practice of the Surgical and Personalized Management of Brain Tumors,” Yale Brain Tumor Program Education Seminar, New Haven, CT, 2019.
7. “The Neurosurgical Management of Primary Brain Tumors,” Therapeutic Radiology Grand Rounds, New Haven, CT, 2019.
8. “The Neurosurgical Management of Primary Brain Tumors: The Clinical Enterprise,” Yale Brain Tumor Center Retreat, New Haven, CT, 2019.
9. “The Surgical Management of Acoustic Neuromas: The Importance of Expertise,” Yale Brain Tumor Center, New Haven, CT, 2019.
10. “The Clinical Implications of the Genomics of Meningiomas,” Yale Neurosurgery Grand Rounds, New Haven, CT, 2021.
11. “The Clinical Implications of the Genomics of Meningiomas,” Yale Neurosurgery Grand Rounds, New Haven, CT, 2022.
12. “The Susie Beris, MD Neurosurgical Oncology Program,” Yale Neurosurgery Grand Rounds, New Haven, CT, 2022.
13. “Neuroanatomy Case Illustrations,” Yale School of Medicine Neuroanatomy for 2<sup>nd</sup> year medical students, 2023.
14. “The Susie Beris, MD Neurosurgical Oncology Program,” Yale Neurosurgery Grand Rounds, New Haven, CT, 2023.

#### **Peer-Reviewed Presentations & Symposia Given at Meetings Not Affiliated with Yale**

##### ***National/International***

1. “The Significance of Granular Cells in Gliomas,” *Top 10 Abstract Award*, New England Neurosurgical Society Annual Meeting, Chatham, MA, 2008.
2. “Gastric bypass and Neural Tube Defects,” Congress of Neurological Surgeons Annual Meeting, Orlando, FL, 2008.
3. “EGFR Expression Suppresses PP2A in Gliomas,” *Louise Eisenhardt Award Recipient*, Congress of Neurological Surgeons Annual Meeting, New Orleans, LA, 2009.
4. “Survival Advantage in Patients with De novo versus De-Differentiated Anaplastic Meningioma,” Neurosurgical Society of America Annual Meeting, Sea Island, GA, 2013.



5. “The Benefits of Neurosurgical Oncology Fellowship,” American Association of Neurological Surgeons Annual Meeting, Washington, D.C., 2015.
6. “How to Develop a Career in Brain Tumor Surgery,” American Association of Neurological Surgeons Annual Meeting, Los Angeles, CA, 2017.
7. “How to Develop a Career in Brain Tumor Surgery,” Congress of Neurological Surgeons Annual Meeting, Boston, MA, 2017.
8. “How to Develop a Career in Brain Tumor Surgery,” American Association of Neurological Surgeons Annual Meeting, New Orleans, LA, 2018.
9. “Meningioma Genomic Subgroup and Predicting Post-operative Patient Outcomes: Implications for Treatment and Follow-up,” The American Academy of Neurological Surgeons, Rome, Italy, 2019.
10. “Meningioma Genotypes and Clinical Correlations,” Society of Neuro-Oncology Annual Meeting, Phoenix, AZ, 2019.
11. “The Role of Surgical Resection of Low-Grade Gliomas,” Congress of Neurological Surgeons Annual Meeting, San Francisco, CA, 2019.
12. “Treatment of Recurrent/Refractory Metastatic Tumors and Radiation Necrosis,” Congress of Neurological Surgeons Annual Meeting, San Francisco, CA, 2019.
13. “Extent of Resection of Epidermoid Tumors and Rate of Recurrence,” North American Skull Base Meeting, San Antonio, TX, 2020.
14. “Surgical Nuances to Acoustic Neuromas,” Acoustic Neuroma Association Webinar
15. “The Surgical Management of Acoustic Neuromas,” North American Skull Base Meeting, San Antonio, TX, 2020.
16. “The Clinical and Genomic Factors Associated with Seizure in Meningioma,” The American Academy of Neurological Surgeons Annual Meeting, Pebble Beach, CA, 2021.
17. “The Clinical and Genomic Factors Associated with Seizure in Meningioma,” The Neurosurgical Society of America Annual Meeting, Lake Tahoe, NV, 2021
18. “Type of Bony Involvement Predicts Genomic Subgroup in Sphenoid Wing Meningiomas,” The Neurosurgical Society of America, Lake Tahoe, NV, 2021.
19. “The Role of Surgical Resection of Low-Grade Gliomas,” Congress of Neurological Surgeons Annual Meeting, Austin, TX, 2021.
20. “NF2 Mutated Meningiomas Differ Based on Location Relative to the Tentorium,” North American Skull Base Meeting, Phoenix, AZ, 2022.
21. “TRAF7 Mutated Meningiomas of the Sphenoid Wing,” North American Skull Base Meeting, Phoenix, AZ, 2022.
22. “The Clinical Implications of the Genomics of Multiple Meningiomas,” North American Skull Base Meeting, Phoenix, AZ, 2022.
23. “CSF Diversion in Sphenoid Wing Meningioma Surgery: Criteria for a Retractorless Operative Technique,” New England Neurosurgical Society Annual Meeting, Cape Cod, MA, 2022.
24. “Genomic Profiles and Clinical Features of Sporadic Meningiomas Vary by Race,” New England Neurosurgical Society Meeting, Cape Cod, MA, 2022.

25. “Genomic Profiles and Clinical Features of Sporadic Meningiomas Vary by Race,” Neurological Society of America Annual Meeting, Maui, HI, 2022.
26. “Genomic Profiles and Clinical Features of Sporadic Meningiomas Vary by Race,” The American Academy of Neurological Surgeons Annual Meeting, Colorado Springs, CO, 2022.
27. “Meningioma Behavior and Genomic Characteristics Vary Relative to the Tentorium,” Society of Neuro-Oncology Annual Meeting, Tampa, FL, 2022.
28. “Meningioma Behavior and Genomic Characteristics Vary Relative to the Tentorium,” North American Skull Base Society Annual Meeting, Tampa, FL, 2023.
29. “*NF2* Mutant Meningiomas Behave More Benign in the Posterior Fossa,” New England Neurosurgical Society Annual Meeting, Cape Cod, MA, 2023.
30. “*NF2* Mutant Meningiomas Behave More Benign in the Posterior Fossa,” Neurosurgical Society of America Annual Meeting, Cape Cod, MA, 2023.
31. “Heterozygous Loss of CDKN2A in Meningiomas,” American Association of Neurological Surgeons/Congress of Neurological Surgeons Section on Tumors Symposium, Washington, DC, 2023.
32. “Heterozygous Loss of CDKN2A in Meningiomas,” Society of Neuro-Oncology, Vancouver, British Columbia, 2023.

### **Leadership/Skills Courses**

- 2007 – 2008     Robert Wood Johnson Clinical Scholars Program, Yale School of Medicine  
2017:            Leadership for Women in Medicine, Harvard School of Medicine  
2018:            ACGME Faculty Development Course, ACGME Chicago Headquarters  
2018 – 2019     Yale Medicine Emerging Leaders Program, Yale School of Management

### **Professional Service**

#### ***Peer Review Groups / Grant Study Sections:***

- 2014 –           Abstract Reviewer, Section on Tumors, American Association of Neurological Surgeons  
2014 –           Abstract Reviewer, Section on Tumors, Congress of Neurological Surgeons  
2014 –           Member, Scientific Advisory Committee, B\*Cured Foundation Study Section  
2020 –           Abstract Reviewer, New England Neurosurgical Society  
2022 –           Abstract Reviewer, North American Skull Base Society  
2023 –           Member, Scientific Advisory Committee, Chenevert Family Brain Tumor Center Study Section

### **Journals:**

#### Editorial Boards

- 2022 –           Assistant Editor, *Neurosurgery*  
2022 –           Invited Lead Editor, “Meningioma Edition,” *Journal of Neuro-Oncology*

#### Reviewer

2017 – *Journal of Neuro-Oncology*  
2020 – *Neurosurgery*  
2021 – *Neuro-Oncology*

***Professional Organizations:***

American Board of Neurological Surgeons

2021 – Guest Oral Board Examiner  
2022 – CAST Fellowship Review Committee

American Association of Neurological Surgeons/Congress of Neurological Surgeons

2008 – Executive Committee, Women in Neurosurgery  
2009 – 2010 Chair, Silent Auction Sub Committee, Young Neurosurgeons Committee  
2009 – 2013 Young Neurosurgeons Committee  
2010 – 2011 Chair, Publications Committee, Young Neurosurgeons Committee  
2011 – Executive Committee, Section on Tumors  
2013 – 2016 Editor, Newsletter, Section on Tumors  
2014 Chair, AANS 2014 Scientific Program, Section on Tumors  
2016 – 2018 Chair, Membership, Section on Tumors  
2018 – CAST Fellowship Committee, Section on Tumors  
2018 – 2020 Chair, By Laws, Section on Tumors  
2019 – 2021 Chair, Development, Section on Tumors  
2020 – Member at Large, Women in Neurosurgery  
2022 – Chair, Awards, Section on Tumors

Society of Neuro-Oncology

2020 – 2022 Co-Chair, Young Scientist Committee

New England Neurosurgical Society

2020 – Executive Committee  
2020 – 2021 Chair, Membership  
2021 – 2022 Annual Meeting Chair  
2022 – 2023 Education and Scientific Program Chair  
2023 – Secretary

North American Skull Base Society

2019 – Executive Committee  
2022 – Chair, Women in Skull Base Surgery  
2022 – Scientific Program, Executive Committee

Other Organization Membership

2018 – Acoustic Neuroma Association  
2018 – Neurosurgical Society of America  
2020 – International Consortium on Meningiomas (ICOM)  
2020 – Glioblastoma Therapeutics Network (GTN) Research

**Medical Advisory Boards**

- 2014 – B\*Cured Foundation
- 2015 – Connecticut Brain Tumor Alliance
- 2019 – Acoustic Neuroma Association

**Data and Safety Monitoring Board**

- 2023 – Chair, HTX-GBM-01, Hemerion Therapeutics SAS

**Guidelines Board**

- 2023 – Grade 4 Diffuse Glioma Task Force, American Society for Radiation Oncology

**Service for National and International Meetings**

- 2014 Scientific Program Chair, Section on Tumors, American Association of Neurological Surgeons Annual Meeting, San Francisco, CA
- 2014 Moderator, Section on Tumors, American Association of Neurological Surgeons Annual Meeting, San Francisco, CA
- 2015 Yale Residency Program Alumni Meeting Chair, American Association of Neurological Surgeons Annual Meeting, Washington, D.C.
- 2015 Moderator, Section on Tumors, American Association of Neurological Surgeons Annual Meeting, Washington, D.C.
- 2016 Yale Residency Program Alumni Meeting Chair, American Association of Neurological Surgeons Annual Meeting, Chicago, Illinois
- 2017 Yale Residency Program Alumni Meeting Chair, American Association of Neurological Surgeons Annual Meeting, Los Angeles, California
- 2017 Moderator, Section on Tumors, American Association of Neurological Surgeons Annual Meeting, Los Angeles, CA
- 2018 Yale Residency Program Alumni Meeting Chair, American Association of Neurological Surgeons Annual Meeting, New Orleans, Louisiana
- 2019 Moderator, Section on Tumors, Congress of Neurological Surgeons Annual Meeting, San Francisco, CA
- 2020 Moderator, North American Skull Base Society Annual Meeting, San Antonio, TX
- 2021 Moderator, New England Neurosurgical Society Meeting, Cape Cod, MA
- 2022 Moderator, North American Skull Base Society, Phoenix, AZ
- 2022 Moderator, New England Neurosurgical Society Meeting, Cape Cod, MA
- 2022 Moderator, Section on Tumors, Congress of Neurological Surgeons Annual Meeting, San Francisco, CA
- 2022 Moderator, Society of Neuro-Oncology Annual Meeting, Tampa, FL
- 2023 Moderator, North American Skull Base Society, Tampa, FL
- 2023 Expert Panelist, North American Skull Base Society, Tampa, FL
- 2023 Moderator, American Association of Neurological Surgeons Annual Meeting, Los Angeles, CA
- 2023 Moderator, New England Neurosurgical Society Meeting, Cape Cod, MA
- 2023 Moderator, Section on Tumors, American Association of Neurological Surgeons/Congress of Neurological Surgeons Section on Tumors Symposium, Washington, DC

**Educational Industry Consultant**

2019 – BK Medical  
2023 – Stryker

**Yale University Service:**

**Hospital Boards & Committees**

2013 – 2016 Ambulatory Clinic Committee, Smilow Cancer Hospital, Yale New Haven Hospital  
2017 – Chair, The Lovemark Foundation Fund for Patient Support, Smilow Cancer Hospital  
2019 – Smilow Leadership Council, Smilow Cancer Hospital  
2019 – Chair, The Susan Beris, MD Fund for Brain Tumor Surgery  
2022 – OR MRI Safety Committee, Yale New Haven Hospital

**Departmental Committees**

2018 – 2020 Peer-Elected Chair, Education Committee, Dept. of Neurosurgery, Yale School of Medicine

**Medical School Educational Panels**

2016 “How to Handle a Difficult Patient,” Yale School of Medicine Discussion Panel, New Haven, CT  
2017 “How to Handle a Difficult Patient,” Yale School of Medicine Discussion Panel, New Haven, CT  
2018 “Careers in the Neurosciences,” Yale School of Medicine Discussion Panel, New Haven, CT  
2018 “How to Handle a Difficult Patient,” Yale School of Medicine Discussion Panel, New Haven, CT  
2019 “Connection to the World Career Luncheon,” Yale School of Medicine Discussion Panel, New Haven, CT  
2021 “Connection to the World Career Luncheon,” Yale School of Medicine Discussion Panel, New Haven, CT  
2022 “Connection to the World Career Luncheon,” Yale School of Medicine Discussion Panel, New Haven, CT  
2023 “Connection to the World Career Luncheon,” Yale School of Medicine Discussion Panel, New Haven, CT

**Course / Lectureships**

2017 – Creator, Organizer, Participant, “Yale Mock Oral Boards,” biannual half-day course  
2018 – Organizer, Lead Instructor, Participant, Yale Cadaveric Anatomy Microsurgery Course, yearly two-day course  
2020 – Lead Instructor, “Primary Brain Tumor Case Conference,” weekly

**Public Service / Media Presence:**

- 2015 – Featured Yearly as Expert and Consultant, NPR, *Brain Tumor Awareness and Education*
- 2015 – Featured numerous times on local News (i.e. Channel 8, Fox News) and in press as a brain tumor expert
- 2020 – 2022 Yale New Haven Hospital Commercial

**Bibliography:**

**Peer-Reviewed Original Research**

1. Sands SA, Milner JS, Goldberg J, Mukhi V, **Moliterno J**, Maxfield C, Wisoff JH. Quality of life and behavioral follow-up study of pediatric survivors of craniopharyngioma. *J Neurosurg*. 2005 Oct;103(4 Suppl):302- 11.PMID: 16270681
2. Moliterno J, DiLuna ML, Sood S, Roberts KE, Duncan CC. Gastric bypass: a risk factor for neural tube defects? Case report. *J Neurosurg Pediatr*. 2008 May;1(5):406-9.PMID: 18447680
3. **Moliterno J**, Sood S, Zambrano E, Kim JH, Piepmeier JM, Baehring JM. Intracranial benign fibrous histiocytomas: a case report and review. *J Neurooncol*. 2009 Apr;92(2):203-9. Epub 2008 Nov 22. Review.PMID: 19030779
4. Redmond AJ, Diluna ML, Hebert R, **Moliterno J**, Desai R, Knisely JP, Chiang VL. Gamma Knife surgery for the treatment of melanoma metastases: the effect of intratumoral hemorrhage on survival. *J Neurosurg*. 2008 Dec;109 Suppl:99-105.PMID: 19123895
5. **Moliterno J**, Henry E, Pannullo SC. Corticorelin acetate injections for the treatment of peritumoral brain edema. *Expert Opin /Investig Drugs*. 2009 Sep;18(9):1413-9. Review.PMID: 19678803
6. Wernicke AG, Sherr DL, Schwartz TH, Pannullo SC, Stieg PE, Boockvar JA, **Moliterno J**, Ivanidze J, Trichter S, Sabbas AM, Parashar B, Nori D. The role of dose escalation with intracavitary brachytherapy in the treatment of localized CNS malignancies: outcomes and toxicities of a prospective study. *Brachytherapy*. 2010 Jan-Mar;9(1):91-9. Epub 2009 Oct 21.PMID: 19850535
7. Ayuso-Sacido A, **Moliterno J**, Kratovac S, Kapoor GS, O'Rourke DM, Holland EC, Garcia•Verdugo JM, Roy NS, Boockvar JA. Activated EGFR signaling increases proliferation, survival, and migration and blocks neuronal differentiation in post-natal neural stem cells. *J Neurooncol*. 2010 May;97(3):323-37. Epub 2009 Oct 24.PMID: 19855928
8. Kolb LE, Arlier Z, Yalcinkaya C, Ozturk AK, **Moliterno J**, Erturk O, Bayrakli F, Korkmaz B, DiLuna ML, Yasuno K, Bilguvar K, Ozcelik T, Tuysuz B, State MW, Gunel M. Novel VLDLR microdeletion identified in two Turkish siblings with pachygyria and pontocerebellar atrophy. *Neurogenetics*. 2010 Jul;11(3):319-25. Epub 2010 Jan 15.PMID: 20082205
9. Arlier Z, Bayri Y, Kolb LE, Erturk O, Ozturk AK, Bayrakli F, Bilguvar K, **Moliterno J**, Dervent A, Demirbilek V, Yalcinkaya C, Korkmaz B, Tuysuz B, Gunel M. Four Novel SCN1A Mutations in Turkish Patients With Severe Myoclonic Epilepsy of Infancy (SMEI). *J*

- Child Neural*. 2010 Jan 28. [Epub ahead of print]PMID: 20110217
10. **Moliterno J**, Mubita LL, Huang C, Boockvar JA. High-viscosity polymethylmethacrylate cement for endoscopic anterior cranial base reconstruction. *J Neurosurg*. 2010 Mar 26. [Epub ahead of print]PMID: 20345225
11. Wernicke AG, Sherr DL, Schwartz TH, Pannullo SC, Stieg PE, Boockvar JA, Ivanidze J, **Moliterno J**, Parashar B, Trichter S, Sabbas AM, Nori D. Feasibility and safety of GliaSite brachytherapy in treatment of CNS tumors following neurosurgical resection. *J Cancer Res Ther*. 2010 Jan-Mar;6(1):65-74.PMID: 20479550
12. **Moliterno J**, Knopman J, Parikh K, Cohan JN, Huang QD, Aaker GD, Grivoyannis AD, Patel AR, Hartl R, Boockvar JA. Results and risk factors for recurrence following single-level tubular lumbar microdiscectomy. *J Neurosurg Spine*. 2010 Jun;12(6):680-6.PMID: 20515355
13. Cohan JN, **Moliterno J**, Mok CL, Lavi E, Boockvar JA. Pineal parenchymal tumor of intermediate differentiation with papillary features: a continuum of primary pineal tumors? *J Neurooncol*. 2010 Jun 3.
14. Fatooh A, Nanaszko MJ, Allen BB, Mok CL, Bukanova EN, Beyene R, **Moliterno J**, Boockvar JA. Understanding the role of tumor stem cells in glioblastoma multiforme: a review article. *J Neurooncol*. 2010 Sep 18.
15. Pannullo SC, Fraser JF, **Moliterno J**, Cobb W, Stieg PE. Stereotactic radiosurgery: a meta-analysis of current therapeutic applications in neuro-oncologic disease. *J Neurooncol*. 2011 May;103(1):1-17. Epub 2010 Dec 9.
16. Burkhardt JK, Riina HA, Shin BJ, **Moliterno J**, Hofstetter CP, Boockvar JA. Intra-arterial chemotherapy for malignant gliomas: a critical analysis. *Interv Neuroradiol*. 2011 Sep;17(3):286-95. Epub 2011 Oct 17. Review. Erratum in: *Interv Neuroradiol*. 2011 Dec;17(4):506.
17. **Moliterno J**, Patel TR, Piepmeier JM. Neurosurgical approach. *Cancer J*. 2012 Jan-Feb;18(1):20-5.
18. Clark VE, Erson-Omay EZ, Serin A, Yin J, Cotney J, Ozduman K, Avşar T, Li J, Murray PB, Henegariu O, Yilmaz S, **Gunel J**, Carrión-Grant G, Yilmaz B, Grady C, Tanrikulu B, Bakircioğlu M, Kaymakçalan H, Caglayan AO, Sencar L, Ceyhun E, Atik AF, Bayri Y, Bai H, Kolb LE, Hebert RM, Omay SB, Mishra-Gorur K, Choi M, Overton JD, Holland EC, Mane S, State MW, Bilgüvar K, Baehring JM, Gutin PH, Piepmeier JM, Vortmeyer A, Brennan CW, Pamiir MN, Kiliç T, Lifton RP, Noonan JP, Yasuno K, Gunel M. Genomic analysis of non-NF2 meningiomas reveals mutations in TRAF7, KLF4, AKT1, and SMO. *Science*. 2013 Mar 1;339(6123):1077-80.
19. **Moliterno J**, Veselis CA, Hershey MA, Lis E, Laufer I, Bilsky MH. Improvement in pain after lumbar surgery in cancer patients with mechanical radiculopathy. *Spine J*. 2014 Mar 12. pii: S1529-9430(14)00246-0
20. Grant R, Kolb L, **Moliterno J**. Molecular and genetic pathways in gliomas: the future of personalized therapeutics. *CNS Oncol*. 2014 Mar;3(2):123-36. doi: 10.2217/cns.14.7. Review.
21. **Moliterno J**, Cope WP, Vartanian ED, Reiner AS, Kellen R, Ogilvie SQ, Huse JT, Gutin PH. Survival in patients treated for anaplastic meningioma. *J Neurosurg*. 2015

- Jul;123(1):23- 30. doi: 10.3171/2014.10.JNS14502. Epub 2015 Apr 10.
22. Erson-Omay EZ, Çağlayan AO, Schultz N, Weinhold N, Omay SB, Özdoğan K, Köksal Y, Li J, Serin Harmancı A, Clark V, Carrión-Grant G, Baranoski J, Çağlar C, Barak T, Coşkun S, Baran B, Köse D, Sun J, Bakırcıoğlu M, **Moliterno J.**, Pamir MN, Mishra-Gorur K, Bilguvar K, Yasuno K, Vortmeyer A, Huttner AJ, Sander C, Günel M “Somatic POLE mutations cause an ultramutated giant cell high-grade glioma subtype with better prognosis” *Neuro-Oncology*, 2015, Oct.
23. Bai H, Harmance AS, Erson-Omay EZ, Li J, Coşkun S, Simon M, Krischek B, Özdoğan K, Omay SB, Sorensen EA, Turcan Ş, Bakırcıoğlu M, Carrión-Grant G, Murray PB, Clark VE, Ercan-Sencicek AG, Knight J, Sencar L, Altınok S, Kaulen LD, Gülez B, Timmer M, Schramm J, Mishra-Gorur K, Henegariu O, **Moliterno J**, Louvi A, Chan TA, Tannheimer SL, Pamir MN, Vortmeyer AO, Bilguvar K, Yasuno K, , Gunel M. Integrated genomic characterization of IDH1-mutant glioma malignant progression. *Nat Genet.* 2016 Jan;48(1):59-66. doi: 10.1038/ng.3457. Epub 2015 Nov 30.
24. Clark VE, Harmancı AS, Bai H, Youngblood MW, Lee TI, Baranoski JF, Ercan-Sencicek AG, Abraham BJ, Weintraub AS, Hnisz D, Simon M, Krischek B, Erson-Omay EZ, Henegariu O, Carrión-Grant G, Mishra-Gorur K, Durán D, Goldmann JE, Schramm J, Goldbrunner R, Piepmeyer JM, Vortmeyer AO, **Günel JM**, Bilgüvar K, Yasuno K, Young RA, Günel M. “Recurrent somatic mutations in POLR2A define a distinct subset of meningiomas.” *Nat Genet.* 2016 Oct. PMID: 27548314
25. Bai H, Harmancı AS, Erson-Omay EZ, Li J, Coşkun S, Simon M, Krischek B, Özdoğan K, Omay SB, Sorensen EA, Turcan Ş, Bakırcıoğlu M, Carrión-Grant G, Murray PB, Clark VE, Ercan-Sencicek AG, Knight J, Sencar L, Altınok S, Kaulen LD, Gülez B, Timmer M, Schramm J, Mishra-Gorur K, Henegariu O, **Moliterno J**, Louvi A, Chan TA, Tannheimer SL, Pamir MN, Vortmeyer AO, Bilguvar K, Yasuno K, Gunel M. Integrated genomic analyses of de novo pathways underlying atypical meningiomas. *Nat Commun.* 2017 Feb 14;8:14433.
26. Erson-Omay EZ, Henegariu O, Omay SB, Harmancı AS, Youngblood MW, Mishra-Gorur K, Li J, Özdoğan K, Carrión-Grant G, Clark VE, Çağlar C, Bakırcıoğlu M, Pamir MN, Tabar V, Vortmeyer AO, Bilguvar K, Yasuno K, DeAngelis LM, Baehring JM, **Moliterno J**, Gunel M. Longitudinal analysis of treatment-induced genomic alterations in gliomas. *Genome Med.* 2017 Feb 2;9(1):12
27. Harmancı AS, Youngblood MW, Clark VE, e Coşkun S, Henegariu O, Duran D, Erson-Omay EZ, Kaulen LD, Lee TI, Abraham BJ, Simon M, Krischek B, Timmer M, Goldbrunner R, Omay SB, Baranoski J, Baran B, Carrión-Grant G, Bai H, Mishra-Gorur K, Schramm J, **Moliterno J**, Vortmeyer AO, Bilgüvar K, Yasuno K, Young RA, Gunel M. Integrated genomic analyses of de novo pathways underlying atypical meningiomas. *Nat Commun.* 2018 Apr 20;9:16215.
28. Mohammadi AM, Sharma M, Beaumont TL, Juarez KO, Kemeny H, Dechant C, Seas A, Sarmey N, Lee BS, Jia X, Fecci PE, Baehring J, **Moliterno J**, Chiang VL, Ahluwalia MS, Kim AH, Barnett GH, , Leuthardt EC. Upfront Magnetic Resonance Imaging-Guided Stereotactic Laser-Ablation in Newly Diagnosed Glioblastoma: A Multicenter Review of Survival Outcomes Compared to a Matched Cohort of Biopsy-Only Patients. *Neurosurgery.*



- 2018 Nov 23. doi: 10.1093/neuros/nyy449. PMID: 30476325
29. Fomchenko E, Erson-Omay Z, **Moliterno J**. A novel finding of an IDH2 mutation in an interesting adult Sonic Hedgehog mutated medulloblastoma. *J Neurooncol*. Jun 12. PMID: 31187320
30. Fomchenko E, Erson-Omay Z, Zhao A, McGuone D, Huttner A, Bindra R, Corbin Z, Fulbright R, **Moliterno J**. “DNMT3A mutation in recurrent glioblastoma.” *Cold Spring Harb Mol Case Stud*. 2019 Aug 1; 5(4), PMID: 31371348.
31. Hong C, Erson-Omay, EZ, **Moliterno J**. “Multiple meningiomas arising within the same hemisphere associated with Li-Fraumeni syndrome” *Surg Neurol Int*. 2021 Mar 17 PMID: 33880204
32. Shear B, Jin L, Zhang Y, David WB, Fomchenko EI, Erson-Omay EZ, Huttner A, Fulbright RK, **Moliterno J**. “Extent of Resection of Epidermoid Tumors and Rate of Recurrence: A Case Illustration and Meta-Analysis.” *J Neurosurgery* 2019. Jul 5. PMID: 31277071
33. Hong C, Zhao A, Jin L, Shear B, Erson-Omay Z, Fulbright R, Kveton J, **Moliterno J**. “The Clinical Implications of Spontaneous Hemorrhage in Vestibular Schwannomas.” *Journal of Neurosurgery: Skull Base*.
34. Hong C, Erson-Omay, EZ, **Moliterno J**. “Multiple meningiomas arising within the same hemisphere associated with Li-Fraumeni syndrome” *Surg Neurol Int*. 2021 Mar 17 PMID: 33880204
35. Hang Cao, E Zeynep Erson-Omay, Murat Günel , **Jennifer Moliterno**, Robert K Fulbright “A Quantitative Assessment of Pre-Operative MRI Reports in Glioma Patients: Report Metrics and IDH Prediction Ability” *Front Oncol*. 2021 Jan 29 PMID: 33585216
36. Gupte TP, Li C, Jin L, Yalcin K, Youngblood MW, Miyagishima DF, Mishra-Gorur K, Zhao AY, Antonios J, Huttner A, McGuone D, Blondin NA, Contessa JN, Zhang Y, Fulbright RK, Gunel M, Erson-Omay Z, **Moliterno J**. “Clinical and genomic factors associated with seizures in meningiomas” *J Neurosurg*. 2020 Dec 4, PMID:33276341
37. Dong W, Jin SC, Allocco A, Zeng X, Sheth AH, Panchagnula S, Castonguay A, Lorenzo LÉ, Islam B, Brindle G, Bachand K, Hu J, Sularz A, Gaillard J, Choi J, Dunbar A, Nelson-Williams C, Kiziltug E, Furey CG, Conine S, Duy PQ, Kundishora AJ, Loring E, Li B, Lu Q, Zhou G, Liu W, Li X, Sierant MC, Mane S, Castaldi C, López- Giráldez F, Knight JR, Sekula RF Jr, Simard JM, Eskandar EN, Gottschalk C, **Moliterno J**, Günel M, Gerrard JL, Dib-Hajj S, Waxman SG, Barker FG 2nd, Alper SL, Chahine M, Haider S, De Koninck Y, Lifton RP, Kahle KT. “Exome Sequencing Implicates Impaired GABA Signaling and Neuronal Ion Transport in Trigeminal Neuralgia” *iScience*, 2020 Sept 11, PMID:33083721
38. Zhang D, Zhuo H, Yang G, Huang H, Li C, Wang X, Zhao S, **Moliterno J**, Zhang Y. “Postoperative pneumonia after craniotomy: incidence, risk factors and prediction with a nomogram” *The Journal of Hospital Infection*, 2020 Jun, PMID:32199963
39. Youngblood MW, Duran D, Montejo JD, Li C, Omay SB, Özduman K, Sheth AH, Zhao AY, Tyrtova E, Miyagishima DF, Fomchenko EI, Hong CS, Clark VE, Riche M, Peyre M, Boetto J, Sohrabi S, Koljaka S, Baranoski JF, Knight J, Zhu H, Pamir MN, Avşar T, Kilic T, Schramm J, Timmer M, Goldbrunner R, Gong Y, Bayri Y, Amankulor N, Hamilton RL, Bilguvar K, Tikhonova I, Tomak PR, Huttner A, Simon M, Krischek B, Kalamarides M, Erson-Omay EZ, **Moliterno J**, Günel M. Correlations between genomic subgroup and clinical features in a

- cohort of more than 3000 meningiomas. *J Neurosurg*. 2019 Oct 25;1-10. doi: 10.3171/2019.8.JNS191266. PMID: 31653806
40. Cao H, Erson-Omay Z, Li X, Gunel M, **Moliterno J**, Fulbright R. “A Quantitative Model Based on Clinically Relevant MRI Features Differentiates Lower Grade Gliomas and Glioblastoma.” *European Radiology*. 2020 June 30, PMID: 32025832
41. Youngblood MW, Miyagishima DF, Jin L, Gupte T, Li C, Duran D, Montejo JD, Zhao A, Sheth A, Tyrtova E, Özdoğan K, Iacoangeli F, Peyre M, Boetto J, Pease M, Avşar T, Huttner A, Bilguvar K, Kilic T, Pamir MN, Amankulor N, Kalamarides M, Erson-Omay EZ, Günel M, **Moliterno J**. “Associations of meningioma molecular subgroup and tumor recurrence.” *Neuro-Oncology*. 2020 Oct 17. PMID: 33068421
42. Jin L, Youngblood MW, Gupte TP, Vetsa S, Nadar A, Barak T, Yalcin K, Aguilera SM, Mishra-Gorur K, Blondin NA, Gorelick E, Omay SB, Pointdujour-Lim R, Judson BL, Alperovich M, Aboian MS, McGuone D, Gunel M, Erson-Omay Z, Fulbright RK, **Moliterno J**. “Type of Bony Involvement Predicts Genomics Subgroup in Sphenoid Wing Meningiomas.” *Journal of Neuro-Oncology*, 2021 Aug 01 154.
43. Liu F, Wu H, Peng B, Zhang S, Ma J, Deng G, Zou P, Liu J, Chen AT, Li D, Bellone S, Santin AD, **Moliterno J**, Zhou J. “Vessel-Targeting Nanoclovers Enable Noninvasive Delivery of Magnetic Hyperthermia-Chemotherapy Combination for Brain Cancer Treatment.” *Nano Lett*, 2021 Oct.
44. Barak T, Vetsa S, Nadar A, Jin L, Gupte TP, Fomchenko EI, Miyagishima DF, Yalcin K, Vasandani S, Gorelick E, Zhao AY, Antonios J, Theriault BC, Lifton N, Marianayagam N, Omay B, Omay ZE, Huttner A, McGuone D, Blondin NA, Corbin Z, Fulbright RK, **Moliterno J**. “Surgical Strategies for Older Patients with Glioblastoma.” *Journal of Neuro-Oncology*, 2021 Oct 09, PMID:34626296.
45. Robert S, Vetsa S, Nadar A, Vasandani S, Youngblood MW, Gorelick E, Jin L, Marianayagam N, Erson-Omay EZ, Günel M, **Moliterno J**. “The Integrated Multiomic Diagnosis of Sporadic Meningiomas: A Review of its Clinical Implications.” *Journal of Neuro-Oncology*, 2022, Jan, PMID: 34846640.
46. Brastianos P, Kim AE, Giobbie-Hurder A, Lee EQ, Wang N, Eichler AF, Chukwueke U, Forst DA, Arrillaga-Romany IC, Dietrich J, Corbin Z, **Moliterno J**, Baehring J, White M, Lou KW, Larson J, de Sauvage MA, Evancic K, Mora J, Nayyar N, Loeffler J, Oh K, Shih HA, Curry WT, Cahill DP, Barker FG, Gerstner ER, , Santagata S. “Phase 2 study of pembrolizumab in patients with recurrent and residual high-grade meningiomas.” *Nature Communications*, 2022, Mar, PMID: 35289329
47. Wang AY, Sharma V, Bi WL, Curry WT, Florman JE, Groff MW, Heilman CB, Hong J, Kryzanski J, Lollis SS, McGillicuddy GT, **Moliterno J**, Ogilvy CS, Oh DS, Oyelese AA, Proctor MR, Shear PA, Wakefield AE, Whitmore RG, Riesenburger RI. “The New England Neurosurgical Society: growth and evolution over 70 years.” *Journal of Neurosurgery*. 2022 Mar. PMID: 35523259.
48. Erson-Omay EZ, Vetsa S, Vasandani S, Barak T, Nadar A, Marianayagam NJ, Yalcin K, Miyagishima D, Aguilera SM, Robert S, Mishra-Gorur K, Fulbright RK, McGuone D, Günel M, **Moliterno J**. “Genomic profiling of sporadic multiple meningiomas.” *BMC Med Genomics*, 2022, May, PMID: 35698142.

49. Chen AT, Xiao Y, Tang X, Baqri M, Gao X, Reschke M, Sheu WC, Long G, Zhou Y, Deng G, Zhang S, Deng Y, Bai Z, Kim D, Huttner A, Kunes R, Günel M, **Moliterno J**, Saltzman WM, Fan R, Zhou J. “Cross-platform analysis reveals cellular and molecular landscape of glioblastoma invasion.” *Journal of Neuro-Oncology*, 2022, July, PMID: 35901838
50. Gao S, Jin L, **Moliterno J**, Corbin ZA, Bindra RS, Contessa JN, Yu JB, Park HS. “Impact of radiotherapy delay following biopsy for patients with unresected glioblastoma.” *Journal of Neurosurgery*, 2022, July, PMID: 35907197
51. Marianayagam NJ, Qureshi HM, Vasandani S, Vetsa S, Jalal M, Wu K, **Moliterno J**. “Simultaneous microvascular decompression for trigeminal neuralgia and hemifacial spasm involving a dolichoectatic vertebral artery in an elderly patient: illustrative case.” *Journal of Neurosurgery: Case Lessons*, 2022, July, PMID: 36046706
52. Vetsa S, Nadar A, Vasandani S, Gorelick E, Bungard J, Barak T, Fulbright RK, Marianayagam NJ, **Moliterno J**. “Criteria for Cerebrospinal Fluid Diversion in Retractorless Sphenoid Wing Meningioma Surgery: A Technical Report.” *Journal of Neurosurgery*, 2022, Sep, PMID: 36060292
53. Miyagishima DF, **Moliterno J**, Claus E, Günel M. “Hormone therapies in meningioma-where are we?” *Journal of Neuro-Oncology*, 2023, Jan, PMID: 36418843
55. Tabor JK, Lei H, Morales-Valero SF, O'Brien J, Gopal PP, Erson-Omay EZ, Fulbright RK, **Moliterno J**. “Epstein-Barr virus-associated primary intracranial leiomyosarcoma in an immunocompetent patient: illustrative case” *Journal of Neurosurgery: Case Lessons*, 2023, Jan, PMID: 36692065
56. **Moliterno J**. “Journal of Neuro-Oncology, Meningioma issue” *Journal of Neuro-Oncology*, 2023, Jan, PMID: 36847897
57. Hong CS, Marianayagam NJ, Morales-Valero SF, Barak T, Tabor JK, O'Brien J, Huttner A, Baehring J, Gunel M, Erson-Omay EZ, Fulbright RK, Matouk CC, **Moliterno J**. “Vascular steal and associated intratumoral aneurysms in highly vascular brain tumors: illustrative case” *Journal of Neurosurgery: Case Lessons*, 2023, Mar, PMID: 36880509
58. Dincer A, Morales-Valero SF, Robert SM, Tabor JK, O'Brien J, Yalcin K, Fulbright RK, Erson-Omay Z, Dunn IF, **Moliterno J**. “Surgical strategies for intracranial meningioma in the molecular era” *Journal of Neuro-Oncology*, 2023, Apr, PMID: 37010677
59. Mishra-Gorur K, Barak T, Kaulen LD, Henegariu O, Jin SC, Aguilera SM, Yalbir E, Goles G, Nishimura S, Miyagishima D, Djenoune L, Altinok S, Rai DK, Viviano S, Prendergast A, Zerillo C, Ozcan K, Baran B, Sencar L, Goc N, Yarman Y, Ercan-Sencicek AG, Bilguvar K, Lifton RP, **Moliterno J**, Louvi A, Yuan S, Deniz E, Brueckner M, Gunel M. “Pleiotropic role of TRAF7 in skull-base meningiomas and congenital heart disease.” *Proceedings of the National Academy of Sciences of the United States of America*. 2023 Apr 18. PMID: 37043537
60. Tabor JK, O'Brien J, Vasandani S, Vetsa S, Lei H, Jalal MI, Marianayagam NJ, Jin L, Millares Chavez M, Haynes J, Dincer A, Yalcin K, Aguilera SM, Omay SB, Mishra-Gorur K, McGuone D, Morales-Valero SF, Fulbright RK, Gunel M, Erson-Omay EZ, **Moliterno J**. “Clinical and Genomic Differences in Supra- versus Infratentorial NF2 Mutant Meningiomas” *Journal of Neurosurgery*, 2023, May, PMID: 37243548

## In Press

1. Youngblood MW, Erson-Omay Z, Li C, Najem H, Coşkun S, Tyrtova E, Montejo JD, Miyagishima DF, Barak T, Nishimura S, Harmancı AS, Clark VE, Daniel D, Huttner A, Avşar T, Bayri Y, Schramm J, Boetto J, Peyre M, Riche M, Goldbrunner M, Amankulor N, Louvi A,

Bilgüvar K, Pamir MN, Özdoğan K, Kilic T, Knight JR, Simon M, Horbinski C, Kalamarides M, Timmer M, Heimberger AB, Mishra-Gorur K, **Moliterno J**, Yasuno K and Günel M. Super-enhancer Hijacking Drives Ectopic Expression of Hedgehog Pathway Ligands in Meningiomas. *in press, Nature Communications*, 2023.

#### **Non-Peer Reviewed Published Works**

1. **Moliterno J**. Yale Brain Tumor Center Brochure, September 2019-PRES (reprint).
2. Hong, C and **Moliterno J**. The Patient-centered Approach for Acoustic Neuromas. Acoustic Neuroma Association Newsletter, March 2019.
3. **Moliterno, J**. Brain Tumor Program Brochure, October 2013.
4. **Moliterno J**. AANS/CNS Section on Tumors Newsletter, September 2013.
5. **Moliterno J**. AANS/CNS Section on Tumors Newsletter, April 2014.
6. **Moliterno J**. AANS/CNS Section on Tumors Newsletter, October 2014.
7. **Moliterno J**. AANS/CNS Section on Tumors Newsletter, May 2015.
8. **Moliterno J**. AANS/CNS Section on Tumors Newsletter, September 2015.
9. **Moliterno J**. AANS/CNS Section on Tumors Newsletter, April 2016.

#### **Book Chapters**

1. **Moliterno J** and Günel M: Infratentorial Cavernous Malformation *in* Fundamentals of Operative Techniques in Neurosurgery, Connolly S, McKhann G, Huang J, Choudhri T, and Mocco J, eds, Thieme, New York, 2008.
2. Pannullo SC, Muskin ET, Zimmerman RD and **Moliterno JA**. Gynecological Metastases *in* Neurological Complications of Systemic Cancer, Newton HB and Malkin MG, eds, Informa, 2010.
3. Ozturk AK, **Moliterno JA** and Piepmeyer JM. Transcortical approach to intraventricular tumors *in* Comprehensive Multimedia Atlas of Neurosurgery: Nuances of Technique and Complication Avoidance, 2012.
4. **Moliterno JA** and Baehring JM. Focal Neurological Syndromes *in* Adult Neuro-Oncology: A Multidisciplinary, Evidence-Based Approach with Case Studies, 2013.
5. **Moliterno Günel J** and Piepmeyer JM. Perioperative Management *in* Neuro-Oncology: The Essentials, 3<sup>rd</sup> Edition, 2014.
6. **Moliterno Günel J**, Greenfield J, Anand VK, Souweidane MM and Schwartz TH. Endoscopic Approaches *in* Neuro-Oncology: The Essentials, 3<sup>rd</sup> Edition, 2014.
7. Grant, RA, **Moliterno, J**, Diluna, M, Baehring, JM, Huttner, A and Piepmeyer, JM. Unusual Gliomas. Youman's Neurological Surgery, 7th Edition, 2016.
8. Kuzmik, G, Long, A, Omay S and **Moliterno J**. The Usefulness of Neuronavigation and Intraoperative Imaging in Malignant Brain Tumor Surgery. State-of-the-Art Treatment of Malignant Brain Tumors, 1st Edition, Springer, 2017.
9. Youngblood MW, **Günel JM**, Murat Günel M. Molecular Biology of Central Nervous System Tumors. In: Devita VT, Lawrence TS, Rosenberg SA, eds. Devita, Hellman, and Rosenberg's Cancer: Principles and Practice of Oncology. 11th ed. Philadelphia, PA: Wolters Kluwer Health; 2020.
10. Hong C and **Moliterno J**. Upfront Surgical Management of Meningiomas.

- Meningiomas- Comprehensive Strategies for Management. Springer, 2021.
11. Zhao A, Youngblood MW, Erson-Omay Z, **Moliterno J**, Gunel M. The Genomic Landscape of Meningiomas. Meningiomas- Comprehensive Strategies for Management. Springer, 2021.
  12. Robert S, Diluna, M, Baehring, JM, Huttner, A, Piepmeier, JM, **Moliterno, J**. Unusual Gliomas. Youman's Neurological Surgery, 8th Edition, Springer, 2021.

### **Edited Books and Texts**

1. Editors: **Moliterno J** and Omuro A. "Meningiomas- Comprehensive Strategies for Management." Springer, 2021.
2. Creator and Editor: **Moliterno J**, "The Yale Brain Tumor Patient Navigator," 2018, print and electronic.  
A ~50-page comprehensive resource for patients with brain tumors to help navigate their multi-disciplinary care at Smilow Cancer Hospital. Recently transformed into an electronic app.  
[https://medicine.yale.edu/neurosurgery/surgicalservices/neurooncology/Smilow%20Brain%20Tumor%20Binder\\_349584\\_36740\\_v1.pdf](https://medicine.yale.edu/neurosurgery/surgicalservices/neurooncology/Smilow%20Brain%20Tumor%20Binder_349584_36740_v1.pdf)
3. Editors: **Moliterno Gunel, J**, Piepmeier, J, Baehring, J. "Malignant Brain Tumors: State-of-the-Art Treatment." Springer, 2017.  
Over 10,000 downloads since electronic publication, reportedly most of subspecialty. A contract recently signed to edit another book with Springer focused on Meningiomas.
4. Creator, Author, Illustrator: **Moliterno, J**, "Parker's Brain Storm" and "Parker's Water Tube Ride" A children's book series published in multiple languages and internationally distributed by the Children's Brain Tumor Foundation, NY, NY, 2021.  
Parker was a character created to help children and their parents cope with the diagnosis of a brain tumor. The notion of writing a children's book was inspired by the courage and strength exhibited by patients and their families. The first of the series describes Parker's experience during the surgical removal of his brain tumor. More recently, an additional book has been published as part of a series and distributed to children around the country and beyond with a third one currently under production.