



Melanie Hayden Gephart

Professor of Neurosurgery and, by courtesy, of Neurology and Neurological Sciences

CLINICAL OFFICE (PRIMARY)

- **Stanford Cancer Center**

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ACADEMIC CONTACT INFORMATION

- **Stanford Brain Tumor Center**

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Bio

BIO

I am a brain tumor neurosurgeon, treating patients with malignant and benign tumors, including gliomas, brain metastases, meningiomas, and schwannomas. I direct the Stanford Brain Tumor Center and the Stanford Brain Metastasis Consortium, collaborative unions of physicians and scientists looking to improve our understanding and treatment of brain tumors. My laboratory seeks greater understanding of the mechanisms driving tumorigenesis and disease progression in malignant brain tumors. We study how rare cancer cell populations survive and migrate in the brain, inadvertently supported by native brain cells. We develop novel cerebrospinal fluid-based biomarkers to track brain cancer treatment response, relapse, and neurotoxicity. Our bedside-to-bench-to-bedside research model builds on a foundation of generously donated patient samples, where we test mechanisms of brain cancer growth, develop novel pre-clinical models that reliably recapitulate the human disease, and facilitate clinical trials of new treatments for patients with brain cancer.

www.GephartLab.com

<https://stan.md/BrainMets>

@HaydenGephartMD

CLINICAL FOCUS

- Neurosurgery

ACADEMIC APPOINTMENTS

- Professor - Univ Med Line, Neurosurgery
- Professor - Univ Med Line (By courtesy), Neurology and Neurological Sciences
- Member, Bio-X
- Member, Wu Tsai Human Performance Alliance
- Member, Maternal & Child Health Research Institute (MCHRI)
- Member, Stanford Cancer Institute

- Member, Wu Tsai Neurosciences Institute

ADMINISTRATIVE APPOINTMENTS

- Co-Director, Stanford Brain Tumor Center, Stanford University, (2018- present)
- Director, Stanford Brain Metastases Consortium, (2018- present)

PROFESSIONAL EDUCATION

- Neurosurgery Residency, Stanford University (2014)
- MD, University of California at San Diego (2007)
- Board Certification: Neurosurgery, American Board of Neurological Surgery (2018)
- Masters of Advanced Sciences, University of California at San Diego , Clinical Research (2007)
- BS, University of California at San Diego , Neuroscience and Physiology (2001)

LINKS

- My Lab Website: <http://www.gephartlab.com/>
- www.GBMseq.org: www.GBMseq.org
- www.BrainRNAseq.org: www.BrainRNAseq.org
- Get a Second Opinion: <https://stanfordhealthcare.org/second-opinion/overview.html>
- Stanford CyberKnife Program: <https://stanfordhealthcare.org/medical-clinics/cyberknife-stereotactic-radiosurgery-program.html>
- Twitter: <https://twitter.com/home>
- Facebook: <https://www.facebook.com/groups/feed/>
- LinkedIn: <https://www.linkedin.com/feed/>

Research & Scholarship

CLINICAL TRIALS

- Comparing SingLe- Vs Multi-Fraction Spine STereotActic Radiosurgery in Spinal Metastases, Recruiting
- Molecular Analysis of Thoracic Malignancies, Recruiting
- Multiple Doses of Neural Stem Cell Virotherapy (NSC-CRAAd-S-pk7) for the Treatment of Recurrent High-Grade Gliomas, Recruiting
- Panitumumab-IRDye800 in Diagnosing Participants With Malignant Glioma Undergoing Surgery, Recruiting
- Comparing the Addition of Radiation Either Before or After Surgery for Patients With Brain Metastases, Not Recruiting
- Study Assessing QBS72S For Treating Brain Metastases, Not Recruiting
- Surgical Nivolumab And Ipilimumab For Recurrent GBM, Not Recruiting
- Trial of Anti-Tim-3 in Combination With Anti-PD-1 and SRS in Recurrent GBM, Not Recruiting

Teaching

STANFORD ADVISEES

Med Scholar Project Advisor

George Nageeb, Morgan Sokol

Postdoctoral Faculty Sponsor

Minkyung Kang

Doctoral Dissertation Co-Advisor (AC)

Claudia Leonard

Publications

PUBLICATIONS

- **Breaking Barriers in Leptomeningeal Disease: A SNO-ASCO Consensus Review on Clinical Trial Design and Basic Science Integration.** *Neuro-oncology*
Piña, Y., Umeh Garcia, M., Boire, A., Brenner, A., Camidge, D. R., Chang, S., Forsyth, P. A., Hayden Gephart, M., Olayinka Kamson, D., Kumthekar, P., Quant Lee, E., Le Rhun, E., O'Brien, et al
2026
- **Multi-omic landscape of human gliomas from diagnosis to treatment and recurrence.** *Cancer cell*
Piyadasa, H., Oberlton, B., Ribi, M., Leow, K., Ranek, J. S., Averbukh, I., Amouzgar, M., Liu, C. C., Franchina, D. G., Greenwald, N. F., McCaffrey, E. F., Kumar, R., Ferrian, et al
2025
- **Colorectal cancer relies on an immunosuppressive cellular topography and genomic adaptations for establishing brain metastases.** *bioRxiv : the preprint server for biology*
Sathe, A., Zhang, M., Bai, X., Kang, J. I., Meka, R., Sun, H., Grimes, S. M., Khan, A., Liu, M., Luksik, A. S., Lim, M., Petrisch, C. K., Jackson, et al
2025
- **A Roadmap for the Future of Systems Biology in Cancer Research.** *Cancer research*
Wiley, H. S., Lopez, C. F., Rodin, A. S., Rockne, R. C., Yankeelov, T. E., Sauro, H. M., Hassan, G., Prabhakaran, S., Demir, E., Hu, M., Fuxman Bass, J., Luddy, K. A., Newman, et al
2025
- **Adaptive cohort design and LAT1 expression scale: study protocol for a Phase 2a trial of QBS72S in breast cancer brain metastases.** *BMC cancer*
Taiwo, R., Harary, P. M., Trinh, T. T., Granucci, M., Bertrand, S., Carlson-Clarke, B., Chernikova, S. B., Therkelsen, K., Arora, M., Melisko, M. E., Iv, M., Vogel, H., Han, et al
2025; 25 (1): 1316
- **Multi-omic landscape of human gliomas from diagnosis to treatment and recurrence.** *bioRxiv : the preprint server for biology*
Piyadasa, H., Oberlton, B., Ribi, M., Ranek, J. S., Averbukh, I., Leow, K., Amouzgar, M., Liu, C. C., Greenwald, N. F., McCaffrey, E. F., Kumar, R., Ferrian, S., Tsai, et al
2025
- **Robust, fully-automated assessment of cerebral perivascular spaces and white matter lesions: a multicentre MRI longitudinal study of their evolution and association with risk of dementia and accelerated brain atrophy.** *EBioMedicine*
Barisano, G., Iv, M., Choupan, J., Hayden-Gephart, M.
2024; 111: 105523
- **Roadmap for Successful Research Training in Neurosurgery.** *Neurosurgery*
Hayden Gephart, M., Holly, L. T., Amin-Hanjani, S., Zipfel, G. J., Mack, W. J., Tennekoon, M., Korn, S.
2023; 93 (3): e46-e52
- **Roadmap for Development of a Strong, Diverse Research Workforce in Neurosurgery.** *Neurosurgery*
Hayden Gephart, M., Holly, L. T., Amin-Hanjani, S., Zipfel, G. J., Mack, W. J., Tennekoon, M., Korn, S.
2023; 93 (3): e53-e58
- **National Cancer Institute Collaborative Workshop on Shaping the Landscape of Brain Metastases Research: challenges and recommended priorities.** *The Lancet. Oncology*
Kim, M. M., Mehta, M. P., Smart, D. K., Steeg, P. S., Hong, J. A., Espey, M. G., Prasanna, P. G., Crandon, L., Hodgdon, C., Kozak, N., Armstrong, T. S., Morikawa, A., Willmarth, et al
2023; 24 (8): e344-e354
- **A Novel Brain-Permeant Chemotherapeutic Agent for the Treatment of Brain Metastasis in Triple-Negative Breast Cancer.** *Molecular cancer therapeutics*
Deng, J., Chernikova, S. B., Wang, Y., Rodriguez, M. L., Andersen, S. J., Umeh-Garcia, M. C., Godfrey, B. O., Ahmadian, S. S., Fischer, W., Koller, K. J., Jandeleit, B., Ringold, G. M., Gephart, et al

2021

- **Comprehensive RNA analysis of CSF reveals a role for CEACAM6 in lung cancer leptomeningeal metastases.** *NPJ precision oncology*
Li, Y., Polyak, D., Lamsam, L., Connolly, I. D., Johnson, E., Khoeur, L. K., Andersen, S., Granucci, M., Stanley, G., Liu, B., Nagpal, S., Hayden Gephart, M.
2021; 5 (1): 90
- **Hospital Volumes of 5 Medical Emergencies in the COVID-19 Pandemic in 2 US Medical Centers.** *JAMA internal medicine*
Bhambhani, H. P., Rodrigues, A. J., Yu, J. S., Carr, J. B., Hayden Gephart, M.
2020
- **Recurrently Mutated Genes Differ between Leptomeningeal and Solid Lung Cancer Brain Metastases** *JOURNAL OF THORACIC ONCOLOGY*
Li, Y., Liu, B., Connolly, I., Kakusa, B., Pan, W., Nagpal, S., Montgomery, S. B., Gephart, M.
2018; 13 (7): 1022-1027
- **Single-Cell RNA-Seq Analysis of Infiltrating Neoplastic Cells at the Migrating Front of Human Glioblastoma.** *Cell reports*
Darmanis, S. n., Sloan, S. A., Croote, D. n., Mignardi, M. n., Chernikova, S. n., Samghababi, P. n., Zhang, Y. n., Neff, N. n., Kowarsky, M. n., Caneda, C. n., Li, G. n., Chang, S. D., Connolly, et al
2017; 21 (5): 1399–1410
- **Tumor DNA in cerebral spinal fluid reflects clinical course in a patient with melanoma leptomeningeal brain metastases** *JOURNAL OF NEURO-ONCOLOGY*
Li, Y., Pan, W., Connolly, I. D., Reddy, S., Nagpal, S., Quake, S., Gephart, M. H.
2016; 128 (1): 93-100
- **New tools for studying microglia in the mouse and human CNS** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Bennett, M. L., Bennett, F. C., Liddelow, S. A., Ajami, B., Zamanian, J. L., Fernhoff, N. B., Mulinyawe, S. B., Bohlen, C. J., Adil, A., Tucker, A., Weissman, I. L., Chang, E. F., Li, et al
2016; 113 (12): E1738-E1746
- **Purification and Characterization of Progenitor and Mature Human Astrocytes Reveals Transcriptional and Functional Differences with Mouse** *NEURON*
Zhang, Y., Sloan, S. A., Clarke, L. E., Caneda, C., Plaza, C. A., Blumenthal, P. D., Vogel, H., Steinberg, G. K., Edwards, M. S., Li, G., Duncan, J. A., Cheshier, S. H., Shuer, et al
2016; 89 (1): 37-53
- **A survey of human brain transcriptome diversity at the single cell level** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Darmanis, S., Sloan, S. A., Zhang, Y., Enge, M., Caneda, C., Shuer, L. M., Gephart, M. G., Barres, B. A., Quake, S. R.
2015; 112 (23): 7285-7290
- **Brain Tumor Mutations Detected in Cerebral Spinal Fluid** *CLINICAL CHEMISTRY*
Pan, W., Gu, W., Nagpal, S., Gephart, M. H., Quake, S. R.
2015; 61 (3): 514-522
- **Genetic and Immunohistochemical Profiling of Malignant Mesothelioma With Brain Metastasis: A Report of Two Cases.** *Cancer reports (Hoboken, N.J.)*
Harary, P. M., Hori, Y. S., Jain, R., Kattaa, A. H., Gephart, M. H., Gensheimer, M. F., Soltys, S. G., Park, D. J., Chang, S. D.
2026; 9 (5): e70571
- **Immunosuppressive cellular topography and genomic adaptations sustain colorectal cancer metastasis to the brain**
Sathe, A., Zhang, M., Bai, X., Kang, J., Meka, R., Sun, H., Humayun, M., Wang, X., Grimes, S. M., Khan, A., Liu, M., Luksik, A. S., Lim, et al
AMER ASSOC CANCER RESEARCH.2026
- **Efficacy and Safety of CyberKnife Stereotactic Radiosurgery for Occipital Condyle Metastasis** *NEUROSURGERY PRACTICE*
Park, D. J., Voruganti, H., Annagiri, S., Shaghaghian, E., Hori, Y. S., Persad, A. R., Yoo, K. H., Abu-Reesh, D., Lam, F. C., Tayag, A., Ustrzynski, L., Emrich, S. C., Han, et al
2025; 6 (4)

- **Efficacy and Safety of CyberKnife Stereotactic Radiosurgery for Occipital Condyle Metastasis.** *Neurosurgery practice*
Park, D. J., Voruganti, H., Annagiri, S., Shaghaghian, E., Hori, Y. S., Persad, A. R., Yoo, K. H., Abu-Reesh, D., Lam, F. C., Tayag, A., Ustrzynski, L., Emrich, S. C., Han, et al
2025; 6 (4): e000169
- **Single-cell RNA-sequencing of cerebrospinal fluid reveals transcriptional divergence of leukemia cells from bone marrow in pediatric B-ALL**
Wong, S., Wang, C., Davis, K., Gephart, M.
ELSEVIER.2025: 3360
- **INTERIM ANALYSIS OF A PHASE IIA TRIAL OF LAT1-TARGETED QBS72S IN BREAST CANCER LEPTOMENINGEAL DISEASE**
Carlson-Clarke, B., Rout, S., Roy-O'reilly, M., Taiwo, R., Harary, P. M., Granucci, M., Chernikova, S. B., Trinh, T. T. H., Bertrand, S., Therkelsen, K., Han, S., Gu, B., Ringold, et al
OXFORD UNIV PRESS INC.2025: v143
- **LAT1 EXPRESSION SCALE AND ADAPTIVE DESIGN FOR A PHASE IIA TRIAL OF QBS72S IN BREAST CANCER BRAIN METASTASES**
Taiwo, R., Harary, P. M., Trinh, T. T. H., Granucci, M., Bertrand, S., Carlson-Clarke, B., Chernikova, S. B., Therkelsen, K., Arora, M., Melisko, M. E., Iv, M., Vogel, H., Han, et al
OXFORD UNIV PRESS INC.2025: v143-v144
- **Modeling tumor immune microenvironment in GBM using 3D assembloids**
Jain, S., Tosoni, S., Trinh, T., Li, W., Wernig, M., Gephart, M.
OXFORD UNIV PRESS INC.2025: v471
- **The single cell landscape of NF1-associated gliomas pre- and post-treatment and comparison to their sporadic counterparts**
Gupta, R., Ravindranathan, A., Wu, J., Lucas, C., Shai, A., Nazarian, J., Campen, C., Partap, S., Omuro, A., Gephart, M., Lim, M., Butowski, N., Berger, et al
OXFORD UNIV PRESS INC.2025: v262
- **Spatial transcriptomics reveals tumor-brain expression convergence and identifies prognostic gene signatures in breast cancer brain metastases**
Garcia, M., Yeh, C., Perez, P., Barisano, G., Vogel, H., West, R., Angelo, M., Tian, L., Plevritis, S., Gephart, M.
OXFORD UNIV PRESS INC.2025: v465-v466
- **Accuracy of claims-based algorithms in the identification of leptomeningeal disease: a validation study**
Carmichael, M., Rogawski, D., Cerio, B., Yao, L., Nagpal, S., Gephart, M.
OXFORD UNIV PRESS INC.2025: v189-v190
- **Stereotactic radiosurgery for hepatitis C virus-related hepatocellular carcinoma brain metastasis: A retrospective analysis and systematic review** *WORLD NEUROSURGERY-X*
Izhar, M., Hori, Y. S., Kattaa, A. H., Lam, F. C., Kalra, N., Zagzoog, N., Tayag, A., Ustrzynski, L., Emrich, S. C., Pollom, E. L., Soltys, S. G., Gephart, M., Park, et al
2025; 28
- **Stereotactic radiosurgery for brain metastases from non-uterine Leiomyosarcoma: A retrospective case series** *WORLD NEUROSURGERY-X*
Cardona, J. J., Hori, Y. S., Kattaa, A. H., Harary, P. M., Lam, F. C., Abu-Reesh, D., Ustrzynski, L., Emrich, S. C., Tayag, A., Hayden-Gephart, M., Park, D. J., Chang, S. D.
2025; 28
- **Repeat stereotactic radiosurgery for treatment of brain metastases locally recurrent following initial radiosurgery.** *Journal of neuro-oncology*
Hall, J. C., Goel, K., Lozko, Y., Chang, S. D., Park, D. J., Hori, Y. S., Lam, F. C., AbuReesh, D., Jackson, S., Li, G., Hayden-Gephart, M., Kaneko, T., Nagpal, et al
2025
- **Stereotactic radiosurgery for brain metastases from extra-renal clear cell carcinoma: A series of four patients and review of the literature.** *Journal of clinical neuroscience : official journal of the Neurosurgical Society of Australasia*
Harary, P. M., Hori, Y. S., Kattaa, A. H., Lam, F. C., Abu-Reesh, D., Emrich, S. C., Tayag, A., Ustrzynski, L., Pollom, E. L., Park, D. J., Gephart, M. H., Chang, S. D.
2025; 141: 111602

- **Nanopore-based cell-free DNA fragmentation and methylation profiles from the cerebral spinal fluid of patients with lung cancer brain metastases.** *bioRxiv : the preprint server for biology*
Chen, T., Bai, X., Burnside, G., Trinh, T. T., Gephart, M. H., Lau, B. T., Ji, H. P.
2025
- **Stereotactic radiosurgery for intracranial and spinal adenoid cystic carcinoma: systematic review and illustrative case presentation.** *Journal of neuro-oncology*
Cardona, J. J., Park, D. J., Al Gharyani, M. F., Wang, J. Y., Hori, Y. S., Lam, F. C., Abu-Reesh, D., Ustrzynski, L., Emrich, S. C., Tayag, A., Li, G., Gephart, M. H., Chang, et al
2025
- **The Barriers to Neurosurgical Care in The Gambia** *NEUROSURGERY PRACTICE*
Ceesay, O. I., Vaca, S., Gephart, M. H., Park, J. J., Ramayya, A. G.
2025; 6 (1)
- **The Barriers to Neurosurgical Care in The Gambia.** *Neurosurgery practice*
Ceesay, O. I., Vaca, S., Gephart, M. H., Park, J. J., Ramayya, A. G.
2025; 6 (1): e00125
- **Single- versus multi-fraction spine stereotactic radiosurgery (ALL-STAR) for patients with spinal metastases: a randomized phase III trial protocol.** *BMC cancer*
Pratapneni, A., Klebaner, D., Soltys, S. G., Rahimy, E., Gibbs, I. C., Chang, S. D., Li, G., Hayden Gephart, M., Veeravagu, A., Szalkowski, G. A., Gu, X., Wang, L., Chuang, et al
2025; 25 (1): 323
- **Use of Carbon Fiber Implants to Improve the Safety and Efficacy of Radiation Therapy for Spine Tumor Patients.** *Brain sciences*
Lam, F. C., Guru, S., AbuReesh, D., Hori, Y. S., Chuang, C., Liu, L., Wang, L., Gu, X., Szalkowski, G. A., Wang, Z., Wohlers, C., Tayag, A., Emrich, et al
2025; 15 (2)
- **Monitoring of cancer ferroptosis with [18F]hGTS13, a system xc- specific radiotracer.** *Theranostics*
Moses, A., Malek, R., Kendirli, M. T., Cheung, P., Landry, M., Herrera-Barrera, M., Khojasteh, A., Granucci, M., Bukhari, S. A., Hooper, J. E., Hayden-Gephart, M., Dixon, S. J., Recht, et al
2025; 15 (3): 836-849
- **Optimization of leptomeningeal carcinomatosis treatment in lung cancer using cerebrospinal fluid tumor-derived DNA**
Nanjo, S., Tej, A., Jin, M., Yano, S., Hui, A., Nagpal, S., Gephart, M., Alizadeh, A., Diehn, M.
WILEY.2025: 1891
- **Brain metastases from esophageal cancer: A retrospective review from a single institution.** *World neurosurgery*
Touponse, G. C., Li, G., Tai, J. W., Rodrigues, A. J., Granucci, M., Burnside, G., Bhambhani, H. P., Han, S. S., Ji, H. P., Gephart, M. H.
2024
- **Quantification of cerebrospinal fluid tumor DNA in lung cancer patients with suspected leptomeningeal carcinomatosis.** *NPJ precision oncology*
Azad, T. D., Nanjo, S., Jin, M. C., Chabon, J. J., Kurtz, D. M., Chaudhuri, A. A., Connolly, I. D., Hui, A. B., Liu, C. L., Merriott, D., Ko, R., Yoo, C., Carter, et al
2024; 8 (1): 121
- **Cerebral perivascular spaces as predictors of dementia risk and accelerated brain atrophy.** *medRxiv : the preprint server for health sciences*
Barisano, G., Iv, M., Choupan, J., Hayden-Gephart, M.
2024
- **Repurposing mebendazole against triple-negative breast cancer CNS metastasis.** *Journal of neuro-oncology*
Rodrigues, A. J., Chernikova, S. B., Wang, Y., Trinh, T. T., Solow-Cordero, D. E., Alexandrova, L., Casey, K. M., Alli, E., Aggarwal, A., Quill, T., Koegel, A. K., Feldman, B. J., Ford, et al
2024
- **Executive Summary of the American Radium Society Appropriate Use Criteria for Brain Metastases in EGFR-mutated and ALK-fusion Non-Small Cell Lung Cancer.** *Neuro-oncology*

- Nagpal, S., Milano, M. T., Chiang, V. L., Soltys, S. G., Brackett, A., Halasz, L. M., Garg, A. K., Sahgal, A., Ahluwalia, M. S., Tom, M. C., Palmer, J. D., Knisley, J. P., Chao, et al
2024
- **Repurposing mebendazole against triple-negative breast cancer leptomeningeal disease.** *Research square*
Rodrigues, A., Chernikova, S. B., Wang, Y., Trinh, T. T., Solow-Cordero, D. E., Alexandrova, L., Casey, K. M., Alli, E., Aggarwal, A., Quill, T., Koegel, A., Feldman, B. J., Ford, et al
2024
 - **Neuroinvasive Francisella tularensis Infection: Report of 2 Cases and Review of the Literature.** *Clinical infectious diseases : an official publication of the Infectious Diseases Society of America*
Cash-Goldwasser, S., Beeson, A., Marzec, N., Ho, D. Y., Hogan, C. A., Budvytiene, I., Banaei, N., Born, D. E., Gephart, M. H., Patel, J., Dietrich, E. A., Nelson, C. A.
2024; 78 (Supplement_1): S55-S63
 - **Impact of language barriers and use of interpreters on hope among patients with Central Nervous System Malignancies and Bone Metastases.** *International journal of radiation oncology, biology, physics*
Hui, C., Hall, J., Fang, Z., Lefebvre, S., Hayden-Gephart, M., Li, G., Meola, A., Nagpal, S., Soltys, S., Pollom, E.
2023
 - **SPATIALLY-RESOLVED TRANSCRIPTOME ANALYSIS OF BRAIN METASTATIC BREAST CANCER REVEAL KEY MEDIATORS OF BRAIN-TROPIC METASTATIC POTENTIAL**
Umeh-Garcia, M., Godfrey, B., Perez, P., Varma, S., Ahmadian, S., Toland, A., Granucci, M., Averbukh, I., Tian, L., West, R., Angelo, M., Plevritis, S., Gephart, et al
OXFORD UNIV PRESS INC.2023
 - **INTERNAL CAROTID INJECTION MODEL OF BRAIN METASTASIS DESCRIBES LEPTOMENINGEAL DISEASE**
Chernikova, S., Tsau, S., Wang, Y., Hartmann, G., Polyak, D., Bhambhani, H., Kolluru, S., Thy Trinh, Casey, K., Johnson, E., Connolly, I., Recht, L., Ahn, G., et al
OXFORD UNIV PRESS INC.2023
 - **National Cancer Institute Collaborative Workshop on Shaping the Landscape of Brain Metastases Research: challenges and recommended priorities** *LANCET ONCOLOGY*
Kim, M. M., Mehta, M. P., Smart, D. K., Steeg, P. S., Hong, J. A., Espey, M. G., Prasanna, P. G., Crandon, L., Hodgdon, C., Kozak, N., Armstrong, T. S., Morikawa, A., Willmarth, et al
2023; 24 (8): E344-E354
 - **Stereotactic Radiosurgery for Brain Metastases in Patients With a Heterozygous Germline Ataxia Telangiectasia Mutated Gene.** *Cureus*
Hall, J. C., Chang, S. D., Gephart, M. H., Pollom, E., Butler, S.
2023; 15 (4): e37712
 - **Patterns of Progression in Patients with Newly Diagnosed Glioblastoma Treated with 5 mm Margins on a Phase I/II Trial of 5 Fraction Stereotactic Radiosurgery with Concurrent and Adjuvant Temozolomide.** *Practical radiation oncology*
Mendoza, M. G., Azoulay, M., Chang, S. D., Gibbs, I. C., Hancock, S. L., Pollom, E. L., Adler, J. R., Harraher, C., Li, G., Gephart, M. H., Nagpal, S., Thomas, R. P., Recht, et al
2023
 - **A Protocol for Reducing Intensive Care Utilization After Craniotomy: A 3-Year Assessment.** *Neurosurgery*
Ruiz Colón, G. D., Ohkuma, R., Pendharkar, A. V., Heifets, B. D., Li, G., Lu, A., Gephart, M. H., Ratliff, J. K.
2023
 - **Proof of Principle for Intracarotid Injection of Leukemia As Model for Late Stage Central Nervous System Leukemia**
Wang, C., Rodrigues, A., Chernikova, S., Davis, K. L., Gephart, M.
AMER SOC HEMATOLOGY.2022: 11522-11523
 - **Stereotactic radiosurgery for trigeminal neuralgia secondary to tumor: a single-institution retrospective series.** *Neurosurgical focus*
Hall, J. C., Ung, T. H., McCleary, T. L., Chuang, C., Gibbs, I. C., Soltys, S. G., Hayden Gephart, M., Li, G., Pollom, E. L., Chang, S. D., Meola, A.
2022; 53 (5): E3
 - **MICROGLIA REPLACEMENT CHANGES THE TRANSCRIPTIONAL PROFILE OF TUMOR ASSOCIATED MYELOID CELLS IN MURINE MODELS OF BRAIN MALIGNANCIES**
Mader, M., Rodrigues, A., Chernikova, S., Wong, Z., Wang, Y., Petritsch, C., Wernig, M., Gephart, M.

OXFORD UNIV PRESS INC.2022: 290

- **Intracranial Control With Combination BRAF and MEK Inhibitor Therapy in Patients With Metastatic Melanoma.** *Cureus*
Hui, C., Wu, Y. F., Liu, K., Sandhu, N., Blomain, E., Binkley, M. S., Gephart, M. H., Chang, S. D., Li, G. H., Reddy, S. A., Soltys, S. G., Pollom, E.
2022; 14 (11): e31838
- **Local Control of Brain Metastases with Osimertinib Alone in Patients with EGFR-Mutant Non-Small Cell Lung Cancer**
Hui, C., Qu, V., Wang, J. Y., Von Eyben, R., Chang, Y. C., Chiang, P. L., Liang, C. H., Lin, J. Y., Lu, J. T., Li, G., Hayden, M., Myall, N., Soltys, et al
ELSEVIER SCIENCE INC.2022: E54-E55
- **Elevated ETV6 Expression in Glioma Promotes an Aggressive In Vitro Phenotype Associated with Shorter Patient Survival.** *Genes*
Xiong, Z., Wu, S., Li, F., Luo, C., Jin, Q., Connolly, I. D., Hayden Gephart, M., You, L.
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