Saman Seyed Ahmadian, MD



Assistant Professor
Autopsy and Neuropathology
Director of Autopsy
Department of Pathology
Virginia Commonwealth University Health System
Email: Saman.Ahmadian@vcuhealth.org

Education

2019 - 2021 Stanford University, Neuropathology Fellowship, Stanford, CA

2018 - 2019 Cytopathology Fellowship, University of Miami, Miami, FL

2014 - 2018 Anatomic and Clinical Pathology Residency, University of Chicago, NorthShore Program, Evanston, IL

2004 - 2006 Internship, Iran University of Medical Sciences, Tehran, Iran

1998 - 2004 MD, Iran University of Medical Sciences, Tehran, Iran

Licenses & Certifications

Active
State of Ohio, Medical License

Selected Awards & Honors

2019 Plaque of Honor for significant efforts and contribution to the care of patients received from the University of Miami Miller School of Medicine

Recent Invited Presentations

2023 Bay Area Neuropathology Meeting, UCSF Division of Neuropathology, case presenter, virtual conference

2023 Update on Sellar and suprasellar lesions based on the new CNS WHO 5th edition, The Ohio State University Pathology Update Course, Columbus, Ohio

2021 Comparison of PRAME Immunohistochemistry (IHC) and PRAME RT-PCR in 14 Uveal Melanomas. Oral Presentation, United States and Canadian College of Pathology, Virtual Meeting

2020 Multiple Acyl-CoA Dehydrogenase Deficiency, and Review of Lipid Myopathies. Oral Presentation, American Association of Neuropathologist, Virtual Meeting

2016 Follicular dendritic cell sarcoma (FDCS), with epithelioid morphology. Oral Presentation, Illinois Registry of Anatomic Pathology meeting, Chicago IL

2015 Pleomorphic Xanthoastrocytoma (PXA), an unusual presentation. Oral Presentation, Illinois Registry of Anatomic Pathology meeting, Chicago IL

Selected Publications

Glaucia Maria de Mendonca Fernandes, Wesley Wang, **Saman Seyed Ahmadian**, Daniel Jones, Jing Peng, Pierre Giglio, Monica Venere, José Javier Otero. Epitranscriptomic Analysis Reveals Clinical and Molecular Signatures in Glioblastoma. Acta Neuropathol Commun. 11;13(1):74, 2025, In Press.

Jie Pan, Jaume Fores-Martos, Claire Delpirou Nouh, Tanner D Jensen, Kristen Vallejo, Romain Cayrol, **Saman Ahmadian**, Euan A Ashley, Michael D Greicius, Inma Cobos. Spatial Profiling Reveals Equivalence-Derived Molecular Signatures of Brain Mimicry and Adaptation, in Breast Cancer Brain Metastases. bioRxiv [Preprint], 2025 Jan 17:2025.01.13.631781. doi: 10.1101/2025.01.13.631781. PMID: 39868142; PMCID: PMC11760734.

Jie Pan, Jaume Fores-Martos, Claire Delpirou Nouh, Tanner D Jensen, Kristen Vallejo, Romain Cayrol, **Saman Ahmadian**, Euan A Ashley, Michael D Greicius, Inma Cobos. Deciphering glial contributions to CSF1R-related disorder via single-nuclear transcriptomic profiling: a case study. Acta Neuropathol Commun. 12(1):139, 2024.

Nada Shaker, Rulong Shen, Abberly Lott Limbach, Swati Satturwar, Peter Kobalka, **Saman Ahmadian**, Shaoli Sun, Wei Chen, Giovanni Lujan, Ashwini Esnakula, Anil Parwani, Zaibo Li. Automated imaging analysis of Ki-67 immunohistochemistry on whole slide images of cell blocks from pancreatic neuroendocrine neoplasms. J Am Soc Cytopatho 13, 205-12, 2024.

SS Ahmadian, D Jones, P Wakely Jr, Thyroid poorly differentiated carcinoma metastatic to pancreas diagnosed by fine-needle aspiration and demonstrating a novel BRAF fusion. Abberly A Lott Limbach, Cytopathology: Official Journal of the British Society for Clinical Cytology, 5(3):408-11, 2024

Omkar Singh, Kenneth Aldape, Zied Abdullaev, Rust Turakulov, Felipe Andreiuolo, Felipe D'Almeida Costa, Sandra Camelo-Piragua, Peter Pytel, Daniel Zhang, Ewa Borys, Stephen Nix, Igor Fernandes, Emily Sloan, Kester Phillips, Luciano Neder Serafini, Jorge TrejoLopez, Joe Mendez, Charles Eberhart, Matthew Smith-Cohn, Stewart Neill, Brock Christensen, Robert Macaulay, Howard Colman, Aivi Nguyen, Caterina Giannini, Rong Li, James Mandell, Tobias Kessler, Wolfgang Wick, Chris Jones, Matthew Clarke, Alan MacKay, Jeffrey Helgager, Han Lee, Giselle Lopez, Arie Perry, **Saman Ahmadian**, Mohammad Haeri, Shih-Hsiu Wang, Sonika Dahiya, Andrea Souza, Joao Vitor Antunes Marques Gregorio, Hugo Sterman, MacLean P Nasrallah, Orwa Aboud. PATH-23 Clinicopathologic analysis of novel methylation clusters of idh-wildtype diffuse gliomas. Neuro Oncol, 0;25(Suppl 5):v172, 2023.

M Umeh-Garcia, B Godfrey, PN Perez, S Varma, **S Ahmadian**, A Toland, TMIC-75. Spatially-resolved transcriptome analysis of brain metastatic breast cancer, Reveal key mediators of brain-tropic metastatic potential. Neuro Oncol 10;25 (Supplement 5), v295, 2023.

Esther H Nie, **Saman S Ahmadian**, Sushma N Bharadwaj, Lehi Acosta-Alvarez, Zachary D Threlkeld, Matthew J Frank, David B Miklos, Michelle Monje, Brian J Scott, Hannes Vogel. Multifocal demyelinating leukoencephalopathy and oligodendroglial lineage cell loss with immune effector cell-associated neurotoxicity syndrome (ICANS) following CD19 CAR T lymphoma therapy. J Neuropathol Exp Neurol 82 (2), 160-68, 2023.

Xiao-Ping Liu, Xiaoqing Jin, **Saman Seyed Ahmadian**, Xu Yang, Su-Fang Tian, Yu-Xiang Cai, Kuldeep Chawla, Antoine M Snijders, Yankai Xia, Paul J van Diest, William A Weiss, Jian-Hua Mao, Zhi-Qiang Li, Hannes Vogel, Hang Chang. Clinical significance and molecular annotation of cellular morphometric subtypes in lower-grade gliomas discovered by machine learning. Neuro Oncol 25, 68-81, 2023.

Michael Zhang, Samuel W Wong, Jason N Wright, Matthias W Wagner, Sebastian Toescu, Michelle Han, Lydia T Tam, Quan Zhou, **Saman S Ahmadian**, Katie Shpanskaya, Seth Lummus, Hollie Lai, Azam Eghbal, Alireza Radmanesh, Jordan Nemelka, Stephen Harward, Michael Malinzak, Suzanne Laughlin, Sébastien Perreault, Kristina RM Braun, Robert M Lober, Yoon Jae Cho, Birgit Ertl-Wagner, Chang Y Ho, Kshitij Mankad, Hannes Vogel, Samuel H Cheshier, Thomas S Jacques, Kristian Aquilina, Paul G Fisher, Michael Taylor, Tina Poussaint, Nicholas A Vitanza, Gerald A Grant, Stefan Pfister, Eric Thompson, Alok Jaju, Vijay Ramaswamy, Kristen W Yeom. MRI radiogenomics of pediatric medulloblastoma: a multicenter study. Radiology 304 (2), 406-16, 2022.