



Fredric Austin Gorin, M.D., Ph.D.

Research/Academic Interests Dr. Gorin is a board-certified neurologist, who recently retired as chairperson of the Department of Neurology, School of Medicine and currently is professor emeritus recalled without salary (WOS) in the Departments of Neurology and Molecular Biosciences, Veterinary School at UC Davis. Over the past decade, he requested the Neurology department to focus upon diagnostically challenging individuals, many having systemic inflammatory/immune disorders with neurological symptoms analogous to “long Covid”. These patients have stimulated his research interest focusing on communication between the peripheral inflammatory system and neuroinflammation.

Title Professor Emeritus, Departments of Neurology (MED) and Molecular Biosciences (VET)

Specialty Neurology, Dysautonomias, Research Neuroinflammation, Blood Brain Barrier, Drug Discovery

Department [Neurology](#)

Division Neurology

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Education M.D., Washington University School of Medicine, St. Louis MI 1979
B.S., UC Davis, Davis CA 1973

Internships Jewish Hospital of St. Louis, St. Louis MI 1979-1980

Residency UC San Francisco Medical Center, San Francisco CA 1980-1983

Professional Memberships American Association for the Advancement of Science
American College of Physicians and Surgeons
American Medical Association
American Physiological Society
American Society for Neurological Investigation
Society for Experimental Biology and Medicine
Society for Neuroscience
The American Academy of Neurology
The American Neurological Association

Select Recent Publications Gorin FA, Pasupuleti N, Mahajan D, Dugar S. Killing Glioma 'Stem-like' Cells via Drug-Induced Relocation of Endosomal Urokinase Proteins. Anticancer Agents Med Chem. 2017;17(1):40-47. PMID:27357540.



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Gorin F, Hogarth M, Gertz M. The challenges and rewards of integrating diverse neuroscience information. *Neuroscientist*. 2001 Feb;7(1):18-27. doi:10.1177/107385840100700106. PMID: 11486341.

Simkins TJ, Bissig D, Moreno G, Kahlon NPK, Gorin F, Duffy A. A clinical decision rule predicting outcomes of emergency department patients with altered mental status. *J Am Coll Emerg Physicians Open*. 2021 Sep 10;2(5):e12522. doi:10.1002/emp2.12522. PMID:34528023.

Comparison of vector space model methodologies to reconcile cross-species neuroanatomical concepts. Srinivas PR, Wei SH, Cristianini N, Jones EG, Gorin FA. *Neuroinformatics*. 2005;3(2): 115-31. doi:10.1385/NI:3:2:115. PMID:15988041.

Hartl BA, Ma HSW, Sridharan S, Hansen KS, Kent MS, Gorin F, Fragoso RC, Marcu L. Label-free fluorescence lifetime spectroscopy detects radiation-induced necrotic changes in live brain in real-time. *Biomed Opt Express*. 2018 Jul 5;9(8):3559-3580. doi:10.1364/BOE.9.003559. eCollection 2018 Aug 1. PMID:30338140.

Pasupuleti N, Grodzki AC, Gorin F. Mis-trafficking of endosomal urokinase proteins triggers drug-induced glioma nonapoptotic cell death. *Mol Pharmacol*. 2015 Apr;87(4):683-96. doi:10.1124/mol.114.096602. Epub 2015 Jan 29. PMID:25634671.

Srinivas PR, Gusfield D, Mason O, Gertz M, Hogarth M, Stone J, Jones EG, Gorin FA. Neuroanatomical term generation and comparison between two terminologies. *Neuroinformatics*. 2003;1(2):177-92. doi:10.1007/s12021-003-0004-z. PMID:15046240.

Schnier JB, Nishi K, Gumerlock PH, Gorin FA, Bradbury EM. Glycogen synthesis correlates with androgen-dependent growth arrest in prostate cancer. *BMC Urol*. 2005 Mar 24;5:6. doi:10.1186



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/1471-2490-5-6. PMID:15790394.

Pasupuleti N, Leon L, Carraway KL 3rd, Gorin F. 5-Benzylglyciny-amiloride kills proliferating and nonproliferating malignant glioma cells through caspase-independent necroptosis mediated by apoptosis-inducing factor. *J Pharmacol Exp Ther*. 2013 Mar;344(3):600-15. doi:10.1124/jpet.112.200519. Epub 2012 Dec 14. PMID:23241369.

List of publications

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