

Neurology Faculty Publications

Below is a sampling of the published scholarly works of our faculty members. Many recent articles, presentations, and book chapters are not yet listed, but this will show some of the topics they pursue.

Dr. Daniel Birnbaum, DO

Boller, F. Birnbaum, D. Caputi, N. *Charles Bonnet Syndrome and Other Hallucinatory Phenomena*. Bogousslavsky J (ed): Neurologic-Psychiatric Syndromes in Focus. Part II – From Psychiatry to Neurology. Front Neurol Neurosci, 42, pp 126–133.

Birnbaum, D. Koubeissi, M. (2016, Nov). *Unmasking of Myoclonus by Lacosamide in Generalized Epilepsy*. Epilepsy & Behavior Case Reports.

Boller F, Birnbaum D. (2016, April). *Silas Weir Mitchell: Neurologists and Neurology during the American Civil War*. Front Neurol Neurosci, 38. 93-106. (Epub).

Rotenberg A, Muller P, Birnbaum D, Harrington M, Riviello JJ, Pascual-Leone A, Jensen FE. (2008, December). *Seizure suppression by EEG-guided repetitive transcranial magnetic stimulation in the rat*. Clinical Neurophysiology, 119, 12. 2697-702. (Epub).

Rotenberg A, Harrington M, Birnbaum D, Glass I, Jensen FE, Riviello JJ, Pascual-Leone A. (2007, November). *Minimal heating of titanium skull plates during 1 Hz repetitive transcranial magnetic stimulation*. Clinical Neurophysiology, 118, 11. 2536-2538.

Swann, AC, Birnbaum, D, Jagar, AA, Dougherty, DM, & Moeller, FG (2005). *Acute yohimbine increases laboratory-measured impulsivity in normal subjects*. Biological Psychiatry, 57. 1209-1211.

Dr. Christopher Bradley, MD, PhD

Cohen-Gadol, A.A., Bradley, C.C., Williamson, A., Kim, J.H., Westerveld, M., Duckrow, R.B., Spencer, D.D. (2005 May) *Normal magnetic resonance imaging and medial temporal lobe epilepsy: the clinical syndrome of paradoxical temporal lobe epilepsy*. J. Neurosurg. 102(5):902-909.

Bradley, C. C. (1998): Doctoral Thesis: *Structure, Regulation and Expression of the Human Serotonin Transporter Gene*, Emory University.

Bradley, C. C., and Blakely, R.D. (1997 Oct.): *Alternative splicing of the human serotonin transporter gene*, J. Neurochem. 69(4):1356-67.

Bradley, C., Paige, L., Chang, D., Studholme, C., Stokking, R., Norden, A., Zubal, G. I., Spencer, S. S., and Blumenfeld, H. (2000): *Thalamic and pontomesencephalic reticular formation involvement in seizures studied by SPECT ictal-interictal difference imaging*. Society for Neuroscience, 26:376.1, New Orleans, LA.

Dr. Rabia Choudry, MD

Salameh J, Goyal N, Choudry R, Camelo-Piragua S and Chong, pST. *Phosphoglycerate mutase deficiency with tubular aggregates in a patient from Panama*. Muscle and Nerve, 2013 Jan; 47(11): 138-140.

Choudry, RB, Galvez-Jiminez, N and Cudkowicz, ME. *Pharmacologic treatment of amyotrophic lateral sclerosis*. In: UpToDate, Rose, BD (Ed), UpToDate, Wellesley, MA.

Choudry RB and Cudkowicz ME. *Clinical trials in amyotrophic lateral sclerosis: the tenuous past and the promising future*. *Journal of Clinical Pharmacology*. 2005 Dec;45(12):1334-44.

Dr. Jonathan Dissin, MD

Newman GC, Dissin J. *Compartmentalizing Oxidative Stress*. *Futur. Lipidol.* 3:229-231, 2008.

Rubinstein J, Moghe R, Mizrahi A, Dissin J. *Triptan Induced Use Preceding Life Threatening Arrhythmias In Charcot-Marie Tooth: A Case Report And Review Of The Literature*. *J Clin Neuropharm* 27: 14-16, 2004.

Tanvetyanon T, Dissin J, Selcer UM. *Hyperthermia and Chronic Pancerebellar Syndrome After Cocaine Abuse*. *Arch Intern Med* 161: 608-610, 2001.

Dissin J, Mills LR, Mains DL, Black O, Webster PD. *Experimental Induction of Pancreatic Adenocarcinoma*. *J Nat. Cancer Inst* 55: 857-869, 1975.

The Effect of Low-Dose Warfarin on the risk of Stroke In-Patients with Non-Rheumatic Atrial Fibrillation, Boston Area Trial for Atrial Fibrillation Study Group. *NEJM* 223: 1505-1511, Nov 1990.

Dr. Ananda Fine, MD

Fine, A.S., Nicholls, D.P., and Mogul, D.J. 2009. *Modulation of instantaneous synchrony during seizures by deep brain stimulation*. Conf. Proc. IEEE Eng. Biol. Soc., 3310-3313.

Larson, J., Jessen, R.E., Kim, D., Fine, A.-K.S., and du Hoffman, J. 2005. *Age-dependent and selective impairment of LTP in anterior piriform cortex of mice lacking the fragile X mental retardation protein*. J. Neurosci, 25(41): 9460-9.

Fine, A.S., Nicholls, D.P., and Mogul, D.J. 2010. *Assessing Instantaneous Synchrony of nonlinear nonstationary oscillators in the brain*. J. Neurosci. Methods, 186(1): 42-51.

Mogul, D.J., Fine, A.S., and Canavero, S. 2009. Cortical stimulation for medically refractory epilepsy. In: *Textbook of Therapeutic Cortical Stimulation*. Nova Science. ed. S. Canavero.

Dr. Anahid Kabasakalian

Kabasakalian, A., Finney, G. *Reversible Dementias* in Neurobiology of Dementia, Volume 84 International Review of Neurobiology, [Minagar](#) A. (Editor), 2009.

Kabasakalian A, Hollander E. *Neuropeptides in Obsessive-Compulsive Disorder* in Obsessive Compulsive Disorder: Phenomenology, Pathophysiology, and Treatment, Ed. Pittenger C. (2017) Oxford University Press.

Kabasakalian A, Ferretti CJ, Hollander E. *Oxytocin and Prader Willi Syndrome* in Behavioral Pharmacology of Neuropeptides: Oxytocin, Eds. Hurlemann R, Grinevich V.

Behavioral phenotype in a child with Prader-Willi syndrome and comorbid 47, XYY.
Palkar P, Kabasakalian A, Taylor B, Doernberg E, Ferretti CJ, Uzunova G, Hollander E.
Intractable Rare Dis Res. 2016 Aug;5(3):235-7.

Kabasakalian A, Kesayan T, Williamson JB, Skidmore FM, Falchook AD, Harciarek M, Heilman KM. *Hypometric allocentric and egocentric distance estimates in Parkinson disease.* *Cogn Behav Neurol*. 2013 Sep;26(3):133-9.

Eppig J, Wambach D, Nieves C, Price CC, Lamar M, Delano-Wood L, Giovannetti T, Bettcher BM, Penney DL, Swenson R, Lippa C, Kabasakalian A, Bondi MW, Libon DJ. *Dysexecutive functioning in mild cognitive impairment: derailment in temporal gradients.* J Int Neuropsychol Soc. 2012 Jan;18(1):20-8.

Dr. George Newman, MD

Newman GC, Hospod FE, Patlak CS, Trowbridge SD, Wilke RJ, Fuhrman M, Jones KW. *Calcium Compartments in Brain*. J Cereb Blood Flow Metab 22:479-489, 2002

Newman GC, Delucia-Deranja E, Tudorica A, Hospod FE, Patlak CS. *Cerebral Blood Volume Measurements by T2*-Weighted MRI and Contrast Infusion*. MRM 50:844-855, 2003.

Whelly-Wilson CM, Newman GC. *A Stroke Scale for Emergency Triage*. J Stroke Cerebrovasc Dis 13(6):247-253, 2005.

Moftakhar R, Hussein S, Niemann DB, Newman GC, Kienitz BA, Turski P, Turk A. *Effects of Carotid or Vertebrobasilar Stent Placement on Cerebral Perfusion and Cognition*. AJNR 26:1772-1780, 2005

Newman GC, Hospod FE, Patlak CS, Fain SE, Pulfer K, Cook T, O'Sullivan F. *Experimental Estimates of the Constants Relating Signal Change to Contrast Concentration for Cerebral Blood Volume by Dynamic T2* MRI*. J Cereb Blood Flow Metab 26:760-70, 2006

Validation of an Acute Ischemic Stroke Model: Does DWI lesion volume offer a clinically significant improvement in prediction of outcome? Johnston KC, Wagner DP, Wang XQ, Newman GC, Thijs V, Sen, S, Warach S, for the GAIN, Citicoline and ASAP Investigators. Stroke 38:1820-5, 2007

Newman GC, Fain S, Hospod FE. *Optimizing Dynamic T2* MRI for Measurement of Cerebral Blood Flow Using Infusions for Cerebral Blood Volume*. Am J Neuroradiology 27:1239-40, 2006.

Newman GC, Bang H, Hussain S, Toole J. *Associations of diabetes, homocysteine, and HDL with cognition and disability after stroke*. Neurology 69:2065-62, 2007.

Newman GC, Dissin J. *Compartmentalizing Oxidative Stress*. Future Lipidology 3:229-231, 2008.

Dr. Aparna Prabhu, MD

Prabhu AM, Saman Zafar, Annie Hseih, Sridhara Yaddanapudi. *Chapter on Neuroinfectious diseases*. Cambridge University Press. May 2019

Choudry R, Awad N, Prabhu AM, Dissin J. *Importance of technical preparation of intra-arterial shunts to prevent iatrogenic arterial injury during urgent procedures*. Vascular and Endovascular Surgery Volume 47 Issue 2, February 2013, 105 – 107.

Prabhu A.M., Pathak S., Khurana D, Legido A, Carvalho K., Valencia I. *Nocturnal variant of Benign myoclonic epilepsy of infancy*. Epileptic Disorders March 2014; 16 (1): 45-9.

Prabhu A.M., Raghupathi R, Dissin J. *Myriad Manifestations of a Global Infectious Disease*. Neurology June 7, 2016 vol. 86 no. 23 e234-e238

Newman GC., Prabhu A.M. *Stroke and Hemorrhagic Syndromes*. In Neurological Differential Diagnosis: A case based approach (pp 414-431). Cambridge, Cambridge University Press. 2014

Multani S., Yaddanapudi S., Prabhu A.M., Dissin J, Newman GC. *An Unusual Case of Carotid Artery Dissection*, Society of Vascular and interventional Neurology. 6th annual meeting, 2013. https://www.svin.org/files/SVIN_13_ABSTRACTS_FINAL_PDF.pdf

Ritenuti M., Choudry R., Prabhu A. M. *Peripheral Neuropathy as Presentation of Lyme Disease*, Journal of Clinical Neuromuscular Disease, Volume 15, Number 3, March 2014.P-5, page 5.

Sheharyar A, Edara A, Choudry R, Prabhu A. M. *Tachycardia, Twitches and the Thymus: What's the Link?*, Journal of Clinical Neuromuscular Disease, Volume 17, Number 3, March 2016. P-6, page 9.

Dr. David S. Roby, MD

Roby DS, Greenberg, J, *Electroencephalographic Effects of Sleep Deprivation*. J. Clin. Psychiat. 39: 542-543, 1978

Varki AP, Roby DS, Watts, Zatuchni, J *Serum Myoglobin in Acute Myocardial Infarction.*; Am. Heart J, 96: 680-688, 1975

RobyDS, Zatuchni, J *Cardiopulmonary Effects of Acute Thallium Poisoning*, Abstract, Clin. Res; 1982

Roby, DS, Zatuchni, J, Fein, A., Lippman, et al. *Cardiopulmonary Effects of Acute Thallium Poisoning*. Chest, 85: 236-240, 1984

Roby DS, Urtecho, Dakakni T, Lim MRC, D'Alonzo G *Critical Care Neurology, Chapter, Critical Care Study Guide Text and Review 2nd Edition*. Criner GJ, Barnette RE, D'Alonzo GE (eds), Springer, 2010, 524-541

Sandulescu MC, Roby D, Multami S, Dissin J *Subacute bulbar failure with blown pupils due to wound botulism: Case report accepted for poster presentation at 2013 American Neurological Association Meeting, New Orleans 10/2013*

Patel, P, Roby D, "Generalized Muscular Pain Due to HyperThyroidism", PA Pain Society Meeting 10/2018

Leishangthem L, SirDeshpande P, Zafar S, Cardenas YM, Prabhu A, Roby D. *Longitudinally Extensive Transverse Myelitis - The Borderline of Neuromyelitis Optica and Systemic Lupus Erythematosus*. Practical Neurology. January 2019

Dr. Yan Zhang, MD

Steven Yang, HesamMostafaviToroghi, Annie Hsieh, Maria Virginia Diaz, Yan Zhang: *An Unusual Presentation of Hemicrania Continua*. Poster presentation American Academy of Neurology Annual meeting, Los Angeles, April 2018

Steven Yang, Annie Hsieh, Maria Diaz, Yan Zhang *Reversible Cerebral Vasoconstriction Syndrome*: Poster presentation American Neurological Association Annual meeting, Atlanta, October 2018

Pavan Patel, Christopher Edwards, Yan Zhang: *A Case of Sporadic Erythromelalgia Presenting with Small Fiber Neuropathy*. Poster presentation American Academy of Neurology Annual meeting, Philadelphia, May 2019

Ylec M Cardenas; Aparna Prabhu; Yan Zhang *TeachingNeuroImages: The Heart Sign in a patient presenting as a locked in syndrome*, Neurology, accepted.

Van Reeth O., Zhang Y., Zee PC., Turek FW: (1992) *Aging Alters Feedback Effects of the Activity-Rest Cycle on the Circadian Clock*. Amer. J. Physiol. 263: R981-986.

Zhang Y., Zee PC., Kirby JD., Takahashi JS., Turek FW: (1993) *A cholinergic antagonist, mecamylamine, blocks light induced Fos immunoreactivity in specific regions of the hamster suprachiasmatic nucleus*. Brain Res. 615 (1): 107-112.

Van Reeth O., Zhang Y., Reedy A., Zee PC., Turek FW: (1993) *Aging alters the entraining effects of an activity-inducing stimulus on the circadian clock*. Brain Res. 607 (1-2): 286-292.

Zhang Y., Takahashi JS., Turek FW: (1996) *Critical period for cycloheximide blockade of light-induced phase advances of the circadian locomotor activity rhythm in golden hamsters*. Brain Res. 740 (1-2):285-290.

Van Reeth O., Olivares E., Zhang Y., Zee PC., Mocaer E., DeFrance R., Tarek FW: (1997) *Comparative effects of a melatonin agonist on the circadian system in mice and Syrian hamsters*. Brain Res. 762 (1-2): 185-194.

Zhang Y., Brainard GC., Zee PC., Pinto LH., Takahashi JS., Turek FW: (1998) *Effects of aging on lens transmittance and retinal input to the suprachiasmatic nucleus in golden hamsters*. Neurosci. Lett. 258 (3) 167-170.