Alica M. Goldman, M.D., Ph.D.

- **Assistant Professor of Neurology**

Clinical Service Area

Neurology

Specialty

Clinical Neurophysiology
Epilepsy
Seizure Disorders

Board Certification

American Board of Psychiatry and Neurology, Neurology

Clinic Appointments

713-798-8259

Consult

713-798-8259

Medical School

M.D./Ph.D., Jesenius Medical Faculty, Comenius University, Martin, Slovakia

Internship

Internal Medicine, University of Texas, Health Science Center at Houston, Texas

Residency

Neurology, University of Texas, Health Science Center at Houston, Texas

Clinical Fellowship

EEG / Epilepsy, University of Texas, Health Science Center at Houston, Texas

Clinic Location

Baylor Neurology
Smith Tower
6550 Fannin, Suite 1801
Houston, Texas 77030

Clinical Interests

Genetics of epilepsy

Contact Information

Alica M. Goldman, M.D., Ph.D.

Department of Neurology
Baylor College of Medicine
One Baylor Plaza, MS NB302
Houston, Texas 77030

Tel: 713-798-0980
Fax: 713-798-0984

Journal Publications

1. Heck CN, King-Stephens D, Massey AD, Nair DR, Jobst BC, Barkley GL, et al. Two-year seizure reduction in adults with medically intractable partial onset epilepsy treated with responsive neurostimulation: Final results of the RNS System Pivotal trial. Epilepsia. 2014;55(3):432-41. [View journal article]
2. Klassen TL, Bomben VC, Patel A, Drabek J, Chen TT, Gu W, et al. High-resolution molecular genomic autopsy reveals complex sudden unexpected death in epilepsy risk profile. Epilepsia. 2014;55(2):e6-e12. [View journal article]
3. Chen TT, Klassen TL, Goldman AM, Marini C, Guerrini R, Noebels JL. Novel brain expression of ClC-1 chloride channels and enrichment of CLCN1 variants in epilepsy. Neurology. 2013;80(12):1078-85. [View journal article]
4. Hirose S, Scheffer IE, Marini C, De Jonghe P, Andermann E, Goldman AM, et al. SCN1A testing for epilepsy: application in clinical practice. Epilepsia. 2013;54(5):946-52. [View journal article]
5. Klassen TL, Drabek J, Tomson T, Sveinsson O, von Dobeln U, Noebels JL, et al. Visual automated fluorescence electrophoresis provides simultaneous quality, quantity, and molecular weight spectra for genomic DNA from archived neonatal blood spots. J Mol Diagn. 2013;15(3):283-90. [View journal article]
6. Klassen TL, von Ruden EL, Drabek J, Noebels JL, Goldman AM. Comparative analytical utility of DNA derived from alternative human specimens for molecular autopsy and diagnostics. J Mol Diagn. 2012;14(5):451-7. [View journal article]
7. Klassen T, Davis C, Goldman A, Burgess D, Chen T, Wheeler D, et al. Exome sequencing of ion channel genes reveals complex profiles confounding personal risk assessment in epilepsy. Cell. 2011;145(7):1036-48. [View journal article]
8. McGuire AL, Oliver JM, Slashinski MJ, Graves JL, Wang T, Kelly PA, et al. To share or not to share: a randomized trial of consent for data sharing in genome research. Genet Med. 2011;13(11):948-55. [View journal article]
9. Dulay MF, Levin HS, York MK, Li X, Mizrahi EM, Goldsmith I, et al. Changes in individual and group spatial and verbal learning characteristics after anterior temporal lobectomy. Epilepsia. 2009;50(6):1385-95. [View journal article]
10. Goldman AM, Glasscock E, Yoo J, Chen TT, Klassen TL, Noebels JL. Arrhythmia in heart and brain: KCNQ1 mutations link epilepsy and sudden unexplained death. Sci Transl Med. 2009;1(2):2ra6. [View journal article]
11. Bi W, Yan J, Shi X, Yuva-Paylor LA, Antalffy BA, Goldman A, et al. Rai1 deficiency in mice causes learning impairment and motor dysfunction, whereas Rai1 heterozygous mice display minimal behavioral phenotypes. Hum Mol Genet. 2007;16(15):1802-13. [View journal article]
12. Goldman A, Noebels J. Invited comments on the Shostak and Ottman review. Epilepsia. 2006;47(10):1750-1; author reply 1755-6. [View journal article]
13. Goldman AM, Potocki L, Walz K, Lynch JK, Glaze DG, Lupski JR, et al. Epilepsy and chromosomal rearrangements in Smith-Magenis Syndrome [del(17)(p11.2p11.2)]. J Child Neurol. 2006;21(2):93-8. [View journal article]
14. Levin HS, Williams D, Crofford MJ, High WM, Jr, Eisenberg HM, et al. Relationship of depth of brain lesions to consciousness and outcome after closed head injury. J Neurosurg. 1988;69(6):861-6. [View journal article]
15. Levin HS, Lippold SC, Goldman A, Handel S, High WM, Jr, et al. Neurobehavioral functioning and magnetic resonance imaging findings in young boxers. J Neurosurg. 1987;67(5):657-67. [View journal article]

Book Chapters and Other Publications

1. Goldman A. Basic mechanisms of SUDEP. In: Chapman D, Panelli R, Hanna J, Jeffs T, editors. Sudden

unexpected death in epilepsy: continuing the global conversation. Camberwell, Australia: Epilepsy Australia, Epilepsy Bereaved & SUDEP Aware; 2011.

Poster and Platform Presentations

1. Karas L, Goldsmith C, Ruppelt SC, Goldman A. Epidemiological pilot analysis of epilepsy patients in a community clinic aims to inform effective care. Neurology. 2014;82(Meeting Abstracts 1):P5.046.
2. Klassen TL, Tomson T, Sveinsson O, von Dobeln U, Drabek J, Noebels J, et al. STOP SUDEP Program: Application of visual automated fluorescence electrophoresis in the qualitative profiling of archived SUDEP samples. Abstract No 1.053, 2013, American Epilepsy Society Annual Meeting, www.aesnet.org.
3. Goldman A. Sudden unexplained death in epilepsy: Can genomics help? Presented at the American Neurological Association (ANA), 138th Annual Meeting in New Orleans, La. (Oct. 13-15, 2013). [Plenary Talk]
4. Goldman AM. SUDEP Tissue Donation Program (STOP): Collaborative network in support of SUDEP registry, tissue repository and human translational research. Abstract No 1.030, 2012, American Epilepsy Society Annual Meeting, www.aesnet.org.
5. Klassen TL, Chen TT, Reed JG, Kole MJ, Goldman AM, Marini C, et al. Myotonia in brain: 'Skeletal' chloride channel ClC-1 linked to idiopathic generalized epilepsy with focal myotonia. Abstract No 3.312, 2012, American Epilepsy Society Annual Meeting, www.aesnet.org.
6. Goldman A, Klassen T, Gu W, Zhang F, Bomben V, Chen T, et al. High resolution copy number variation of ion channel genes in epilepsy. Abstract No 2.001, 2010, American Epilepsy Society Annual Meeting, www.aesnet.org.
7. Goldman A, Glasscock E, Yoo J, Chen T, Klassen T, Noebels J. Long QT mouse model links the dual phenotype of cardiac arrhythmias and epilepsy with sudden unexplained death in epilepsy. Epilepsia. 2009;50(Suppl 11):373-4.
8. Goldman A, Glasscock E, Yoo J, Chen T, Klassen T, Noebels J. Human KvLQT1 mutations in mice link the dual phenotype of cardiac arrhythmias and epilepsy with sudden unexplained death in epilepsy. Epilepsia. 2009;50(Suppl 10):7-8.
9. Dulay MF, Levin HS, York MK, Mizrahi EM, Goldsmith IL, Goldman A, et al. Predictors of individual visual memory decline after right anterior temporal lobe resection. Epilepsia. 2008;49(Suppl 7):132. [View poster]
10. Dulay MF, Levin HS, Mizrahi EM, York MK, Li X, Goldsmith IL, et al. Growth curve analysis of changes in spatial and verbal learning characteristics after anterior temporal lobectomy. Epilepsia. 2007;48(Suppl 6):226-7.
11. Goldman AM, McGuire AL, Hilsenbeck SG, Noebels JL. Genomic research in the era of identifiable genetic information. Epilepsia. 2007;48(Suppl 6):375.
12. Goldman AM, Burgess DL, Gibbs RA, Chapman KE, Wilfong AA, Hrachovy RA, et al. The prevalence of inter-ictal cardiac arrhythmias and LQT gene variants in patients with idiopathic epilepsy. Epilepsia. 2006;47(Suppl 4):366-7.
13. Goldman AM, Burgess DL, Armstrong DD, Mori M, Noebels JL. Regional and developmental localization of ion-channel genes coexpressed in heart and brain. Epilepsia. 2003;44(Suppl 9):69-70.

- Goldman AM, Burgess DL, Armstrong DD, Mori M, Noebels JL. Expression pattern of candidate epilepsy ion channel genes in mouse and human brains. Epilepsia. 2003;44(Suppl 8):170.