

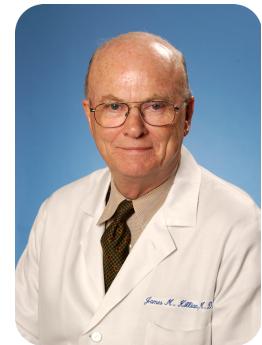
James M. Killian, M.D.

- **Professor of Neurology**

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CONTACT INFORMATION

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SPECIALITY

- EMG and Nerve Conduction Studies
- Musculoskeletal Disorders
- Neuromuscular Diseases
- Peripheral Neuropathy

CERTIFICATIONS

- American Board of Psychiatry and Neurology, Neurology
- American Board of Electrodiagnostic Medicine, Electrodiagnostic Medicine

EDUCATION

- M.D., Medical College of Wisconsin, Milwaukee, Wis.
- Internship, Internal Medicine, Charity Hospital of Louisiana, New Orleans, La.
- Residency, Neurology, Charity Hospital and Tulane School of Medicine, New Orleans, La.
- Fellowship, Neurology, Tulane University School of Medicine, New Orleans, La.
- Fellowship, , National Hospital for Nervous Diseases, Queen's Square, London, United Kingdom

CLINIC APPOINTMENTS

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CLINICAL INTERESTS

Peripheral neuropathy; EMG and nerve conduction studies in the evaluation of neuromuscular and musculoskeletal disorders; Neuromuscular ultrasound

BCM HONORS

- Master Clinician Lifetime Award, Baylor College of Medicine, 2015.

JOURNAL PUBLICATIONS

1. Bonadonna F, Killian JM. A knowledge-based system for evaluation of CIDP diagnostic criteria in a database with 26,000 nerve conduction studies: Computer-aided creation of heuristic rules and discovery of new diagnostic criteria. *Frontiers in ICT*. 2015;2(26):. DOI: 10.3389/fict.2015.00026.
2. Jones K, Wei C, Iakova P, Bugiardini E, Schneider-Gold C, Meola G, et al. GSK3beta mediates muscle pathology in myotonic dystrophy. *J Clin Invest*. 2012;122(12):4461-72. PMID: 23160194.
3. Killian JM, Smyth S, Guerra R, Adhikari I, Harati Y. Comparison of sudomotor and sensory nerve testing in painful sensory neuropathies. *J Clin Neuromuscul Dis*. 2011;12(3):138-42. PMID: 21321492.
4. Ward AJ, Rimer M, Killian JM, Dowling JJ, Cooper TA. CUGBP1 overexpression in mouse skeletal muscle reproduces features of myotonic dystrophy type 1. *Hum Mol Genet*. 2010;19(18):3614-22. PMID: 20603324.
5. Chen M, Chen G, Nie H, Zhang X, Niu X, Zang YC, et al. Regulatory effects of IFN-beta on production of osteopontin and IL-17 by CD4+ T Cells in MS. *Eur J Immunol*. 2009;39(9):2525-36. PMID: 19670379.
6. Hong J, Li H, Chen M, Zang YC, Skinner SM, Killian JM, et al. Regulatory and pro-inflammatory phenotypes of myelin basic protein-autoreactive T cells in multiple sclerosis. *Int Immunol*. 2009;21(12):1329-40. PMID: 19822525.
7. Zang YC, Li S, Rivera VM, Hong J, Robinson RR, Breitbach WT, et al. Increased CD8+ cytotoxic T cell responses to myelin basic protein in multiple sclerosis. *J Immunol*. 2004;172(8):5120-7. PMID: 15067096.
8. Smith RG, Roher AE, Appel SH, Doody RS, Killian JM, Corey-Bloom J, et al. Autonomic sudomotor dysfunction in Alzheimer's disease. *Curr Med Chem - Imun Endoc Metab Agents*. 2003;3(1):77-84.
9. Zang YC, Hong J, Rivera VM, Killian J, Zhang JZ. Human anti-idiotypic T cells induced by TCR peptides corresponding to a common CDR3 sequence motif in myelin basic protein-reactive T cells. *Int Immunol*. 2003;15(9):1073-80. PMID: 12917259.
10. Tejada-Simon MV, Zang YC, Hong J, Rivera VM, Killian JM, Zhang JZ. Detection of viral DNA and immune responses to the human herpesvirus 6 101-kilodalton virion protein in patients with multiple sclerosis and in controls. *J Virol*. 2002;76(12):6147-54. PMID: 12021348.
11. Zhang JZ, Rivera VM, Tejada-Simon MV, Yang D, Hong J, Li S, et al. T cell vaccination in multiple sclerosis: Results of a preliminary study. *J Neurol*. 2002;249(2):212-8. PMID: 11985389.
12. Killian JM, Foreman PJ. Clinical utility of dorsal sural nerve conduction studies. *Muscle Nerve*. 2001;24(6):817-20. PMID: 11360266.
13. Hong J, Zang YC, Tejada-Simon MV, Li S, Rivera VM, Killian J, et al. Reactivity and regulatory properties of human anti-idiotypic antibodies induced by T cell vaccination. *J Immunol*. 2000;165(12):6858-64. PMID: 11120809.
14. Tejada-Simon MV, Zang YC, Yang D, Hong J, Li S, Singh RA, et al. Aberrant T cell responses to myelin antigens during clinical exacerbation in patients with multiple sclerosis. *Int Immunol*. 2000;12(12):1641-50. PMID: 11099303.
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18. Kozovska ME, Hong J, Zang YC, Li S, Rivera VM, Killian JM, et al. Interferon beta induces T-helper 2 immune deviation in MS. *Neurology*. 1999;53(8):1692-7. PMID: 10563614.
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- Charcot-Marie-Tooth polyneuropathy. *Muscle Nerve*. 1996;19(1):74-8. PMID: 8538673.
23. Warner LE, Hilz MJ, Appel SH, Killian JM, Kolodry EH, Karpati G, et al. Clinical phenotypes of different MPZ (P0) mutations may include Charcot-Marie-Tooth type 1B, Dejerine-Sottas, and congenital hypomyelination. *Neuron*. 1996;17(3):451-60. PMID: 8816708.
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25. Roa BB, Garcia CA, Pentao L, Killian JM, Trask BJ, Suter U, et al. Evidence for a recessive PMP22 point mutation in Charcot-Marie-Tooth disease type 1A. *Nat Genet*. 1993;5(2):189-94. PMID: 8252046.
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27. Lupski JR, de Oca-Luna RM, Slaugenhoupt S, Pentao L, Guzzetta V, Trask BJ, et al. DNA duplication associated with Charcot-Marie-Tooth disease type 1A. *Cell*. 1991;66(2):219-32. PMID: 1677316.
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36. Killian JM, Fromm GH. A double-blind comparison of nitrazepam versus diazepam in myoclonic seizure disorders. *Dev Med Child Neurol*. 1971;13(1):32-9. PMID: 4995285.
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BOOK CHAPTERS and OTHER PUBLICATIONS

1. Killian JM. Electromyography. In: Kass JS, Mizrahi EM, editors. *Neurology secrets*. 6th ed. Philadelphia: Elsevier; 2016. p. 467-473.
2. Killian JM. Electromyography. In: Rolak LA, editor. *Neurology secrets*. 5th ed. Philadelphia: Mosby; 2010. p. 428-435.

POSTER and PLATFORM PRESENTATIONS

1. Bue B, Merényi E, Killian J. Classification and diagnosis of myopathy from EMG signals. Presented at the Society for Industrial and Applied Mathematics (SIAM), 13th International Conference on Data Mining in Austin, Texas (May 2-4, 2013). [Platform Presentation]
2. Satiya P, Clark G, Killian J. Diffuse painful muscle spasms. *J Clin Neuromuscular Disease*. 2008;9:374-5.
3. Sabbagh N, Smith RG, Lynn P, Doody RS, Appel SH, Killian JH. Pharmacologic evidence for autonomic sudomotor dysfunction in patients with Alzheimer's disease. *Neurology*. 1996;46(2):A162.