



## Brenda Porter, MD, PhD

Professor of Neurology & Neurological Sciences (Pediatric Neurology) and of Pediatrics

### CLINICAL OFFICE (PRIMARY)

- **Child Neurology**

730 Welch Rd Ste 206

Palo Alto, CA 94304

Tel (650) 723-0993      Fax (650) 721-6350

### Bio

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#### CLINICAL FOCUS

- Neurology with Special Qualifications in Child Neurology
- Tuberous Sclerosis Complex
- Epilepsy
- Epilepsy Surgery
- SLC13A5 epilepsy disorder

#### ACADEMIC APPOINTMENTS

- Professor - University Medical Line, Pediatric Neurology
- Professor - University Medical Line, Pediatrics
- Member, Bio-X
- Member, Maternal & Child Health Research Institute (MCHRI)
- Member, Wu Tsai Neurosciences Institute

#### BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Co-PI for the UE5 Stanford Neurology and Neurosurgery resident and fellowship training program, NINDS (2024 - present)
- Executive Committee, CNCDPK12 (2016 - present)
- Scientific Board, TESS Research Foundation (2015 - present)

#### PROFESSIONAL EDUCATION

- Medical Education: Washington University School Of Medicine (1995) MO
- Board Certification: Neurology with Special Qualifications in Child Neurology, American Board of Psychiatry and Neurology (2002)
- Fellowship: Childrens Hospital of Philadelphia (2002) PA
- Board Certification: Epilepsy, American Board of Psychiatry and Neurology (2016)
- Residency: Hospital of the University of Pennsylvania (2000) PA

- Residency: St Louis Childrens Hospital (1997) MO
- Internship: St Louis Childrens Hospital (1996) MO
- Board Certification: Clinical Neurophysiology, American Board of Psychiatry and Neurology (2003)
- MD, PhD, Washington University School of Medicine , Neurobiology and Medicine (1995)

## LINKS

- SLC13A5: <https://tessresearch.org/>
- Early therapy with sirolimus in patients with Tuberous Sclerosis: <https://www.clinicaltrials.gov/study/NCT05104983>
- Treatment of Seizures with Carisbamate in Lennox Gastaut Syndrome: <https://clinicaltrials.gov/study/NCT05219617>
- Get a Second Opinion: <https://stanfordhealthcare.org/second-opinion/overview.html>

## Research & Scholarship

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### CLINICAL TRIALS

- Investigate Efficacy and Safety of Carisbamate as Adjunctive Treatment for Seizures Associated With LGS in Children and Adults, Recruiting
- SLC13A5 deficiency (Citrate Transporter Disorder, EIEE 25) , Recruiting
- TSC-Steps, Recruiting

## Teaching

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### STANFORD ADVISEES

#### Postdoctoral Research Mentor

Yiming Gan

## Publications

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### PUBLICATIONS

- **Early Vigabatrin Treatment Before Seizure Onset Decreased Interictal Epileptiform Discharges Over the Duration of the PREVeNT Study.** *Pediatric neurology*  
McPherson, T. O., Bebin, E. M., Farach, L. S., Wulsin, A. C., Davis, P., Au, K. S., Sahin, M., Wu, J. Y., Taub, K. S., Rajaraman, R., Randle, S., McClintock, W. M., Koenig, et al  
2026; 179: 30-36
- **SLC13A5 citrate transporter disorder epilepsy phenotype.** *Epilepsy research*  
Ozlu, C., Spelbrink, E. M., Brown, T. L., Nye, K. L., Solidum, R. M., Cooper, S., Best, C. R., Armstrong, D., Liu, J., Goodspeed, K., Porter, B. E.  
2025; 220: 107718
- **Association of earlier surgery with improved postoperative language development in children with tuberous sclerosis complex.** *Journal of neurosurgery. Pediatrics*  
Sadeghzadeh, S., Johnstone, T. M., Peters, J. M., Porter, B. E., Ihnen, S. K.  
2024: 1-9
- **Characterizing a rare neurogenetic disease, SLC13A5 citrate transporter disorder, utilizing clinical data in a cloud-based medical record collection system.** *Frontiers in genetics*  
Spelbrink, E. M., Brown, T. L., Brimble, E., Blanco, K. A., Nye, K. L., Porter, B. E.  
2023; 14: 1109547
- **Practical Advice on Surviving and Thriving as an Academic Physician-Neuroscientist.** *JAMA neurology*  
Knowles, J. K., Porter, B. E.  
2021

- **Caregivers' impression of epilepsy surgery in patients with tuberous sclerosis complex.** *Epilepsy & behavior : E&B*  
Nguyen, T. n., Porter, B. E.  
2020; 111: 107331
- **Safety, feasibility, and technique of stereo-electroencephalography in children younger than 3 years.** *Journal of neurosurgery. Pediatrics*  
Uchitel, J., Fariyike, O. A., Rockwood, S. J., Steeman, S., Kim, L. H., Choi, J., Berg, A., Ren, A., Teeyagura, P., Grant, G., Buch, V., Mahaney, K. B., Prolo, et al  
2026: 1-10
- **Optimal stimulation of the thalamic centromedian nucleus in children with Lennox-Gastaut syndrome: patient series.** *Journal of neurosurgery. Case lessons*  
Warren, A. E., Xu, A., Barros Guinle, M. I., Johnstone, T., Teeyagura, P., Solidum, R., Hyslop, A., Kim, H., Grant, G., Parker, J. J., Buch, V., Porter, B. E., Knowles, et al  
2025; 10 (12)
- **Neurodevelopmental Outcomes From the PREVeNT Trial.** *Pediatric neurology*  
O'Kelley, S. E., Capal, J. K., McPherson, T. O., Patrick, K. E., Pearson, D. A., Davis, P. E., Currans, K., Byars, A. W., Porter, B. E., Sahin, M., Taub, K. S., Rajaraman, R., Randle, et al  
2025; 173: 88-97
- **Electroencephalogram (EEG) Spike Metrics Discriminate Impending Epileptic Spasms From Other Seizures in Children With Tuberous Sclerosis Complex: A Pilot Study.** *Journal of child neurology*  
Brandon Bravo Bruinsma, P. J., Hadjinicolaou, A., Rajaraman, R. R., Hussain, S. A., Krueger, D. A., Sahin, M., Northrup, H., Porter, B. E., Wu, J. Y., Bebin, E. M., Peters, J. M.  
2025: 8830738251347523
- **mTORC1 activation drives astrocyte reactivity in cortical tubers and brain organoid models of TSC.** *bioRxiv : the preprint server for biology*  
Li, T. L., Blair, J. D., Yoo, T., Grant, G. A., Hockemeyer, D., Porter, B. E., Bateup, H. S.  
2025
- **Developmental phenotype and quality of life in SLC13A5 citrate transporter disorder.** *Developmental medicine and child neurology*  
Ozlu, C., Adams, R. M., Solidum, R. M., Cooper, S., Best, C. R., Elacio, J., Kavanaugh, B. C., Spelbrink, E. M., Brown, T. L., Nye, K., Liu, J. S., Bailey, R. M., Goodspeed, et al  
2024
- **Efficacy and safety of perampanel in patients with seizures associated with Lennox-Gastaut syndrome: A randomized trial.** *Epilepsia*  
Vossler, D. G., Porter, B. E., Kira, R., Lee, J., Aeby, A., Patten, A., Cheng, J. Y., Ngo, L. Y., 338 Study Investigators  
2024
- **Sleep Abnormalities in SLC13A5 Citrate Transporter Disorder.** *Genes*  
Adams, R. M., Ozlu, C., Bailey, L. E., Solidum, R. M., Cooper, S., Best, C. R., Elacio, J., Kavanaugh, B. C., Brown, T. L., Nye, K., Liu, J., Porter, B. E., Goodspeed, et al  
2024; 15 (10)
- **Drug-Resistant Epilepsy in Tuberous Sclerosis Complex Is Associated With TSC2 Genotype: More Findings From the Preventing Epilepsy Using Vigatrin (PREVeNT) Trial.** *Pediatric neurology*  
Farach, L. S., Richard, M. A., Wulsin, A. C., Bebin, E. M., Krueger, D. A., Sahin, M., Porter, B. E., McPherson, T. O., Peters, J. M., O'Kelley, S., Taub, K. S., Rajaraman, R., Randle, et al  
2024; 159: 62-71
- **Response Letter to the Editor: "Expanding eligibility for intracranial electroencephalography using dexmedetomidine hydrochloride in children with behavioral dyscontrol".** *Epilepsy & behavior : E&B*  
Johnstone, T., Guinle, M. I., Grant, G. A., Porter, B. E.  
2024; 153: 109657
- **The growing research toolbox for SLC13A5 citrate transporter disorder: a rare disease with animal models, cell lines, an ongoing Natural History Study and an engaged patient advocacy organization.** *Therapeutic advances in rare disease*  
Brown, T. L., Bainbridge, M. N., Zahn, G., Nye, K. L., Porter, B. E.  
2024; 5: 26330040241263972
- **Efficacy and safety of perampanel in a randomized, placebo-controlled trial with an open-label extension in patients with seizures associated with Lennox-Gastaut syndrome (LGS)**

Porter, B., Kira, R., Lee, J., Aeby, A., Patten, A., Ngo, L.  
ELSEVIER.2023

- **Expanding eligibility for intracranial electroencephalography using Dexmedetomidine Hydrochloride in children with behavioral dyscontrol.** *Epilepsy & behavior : E&B*  
Johnstone, T., Isabel Barros Guinle, M., Grant, G. A., Porter, B. E.  
2023; 150: 109541
- **Approach, complications, and outcomes for 37 consecutive pediatric patients undergoing laser ablation for medically refractory epilepsy at Stanford Children's Health.** *Journal of neurosurgery. Pediatrics*  
Barros Guinle, M. I., Johnstone, T., Li, D., Kaur, H., Porter, B. E., Grant, G. A.  
2023: 1-11
- **Early Treatment with Vigabatrin Does Not Decrease Focal Seizures or Improve Cognition in Tuberous Sclerosis Complex: The PREVeNT Trial.** *Annals of neurology*  
Bebin, E. M., Peters, J. M., Porter, B. E., McPherson, T. O., O'Kelley, S., Sahin, M., Taub, K. S., Rajaraman, R., Randle, S. C., McClintock, W. M., Koenig, M. K., Frost, M. D., Northrup, et al  
2023
- **Comparing Laser Interstitial Thermal Therapy to Open Surgical Resection in Pediatric Tuberous Sclerosis Complex Patients: A Single-Institution's Experience**  
Johnstone, T., Guinle, M., Porter, B., Grant, G.  
AMER ASSOC NEUROLOGICAL SURGEONS.2023
- **Comparing Laser Interstitial Thermal Therapy to Open Surgical Resection in Pediatric Tuberous Sclerosis Complex Patients: A Single-Institution's Experience**  
Johnstone, T., Guinle, M., Porter, B., Grant, G.  
AMER ASSOC NEUROLOGICAL SURGEONS.2023
- **Comparing Laser Interstitial Thermal Therapy to Open Surgical Resection in Pediatric Tuberous Sclerosis Complex Patients: A Single-Institution's Experience**  
Johnstone, T., Guinle, M., Porter, B., Grant, G.  
AMER ASSOC NEUROLOGICAL SURGEONS.2023
- **GNAO1-related neurodevelopmental disorder: Literature review and caregiver survey.** *Epilepsy & behavior reports*  
JoJo Yang, Q., Porter, B. E., Axteen, E. T.  
2023; 21: 100582
- **Clinical Features, Neuropathology, and Surgical Outcome in Patients With Refractory Epilepsy and Brain Somatic Variants in the SLC35A2 Gene.** *Neurology*  
Barba, C., Blumcke, I., Winawer, M. R., Hartlieb, T., Kang, H., Grisotto, L., Chipaux, M., Bien, C. G., Hermanovska, B., Porter, B. E., Lidov, H. G., Cetica, V., Woermann, et al  
2022
- **Neurodevelopmental and Epilepsy Phenotypes in Individuals With Missense Variants in the Voltage Sensing and Pore Domain of KCNH5.** *Neurology*  
Happ, H. C., Sadleir, L. G., Zemel, M., de Valles-Ibanez, G., Hildebrand, M. S., McConkie-Rosell, A., McDonald, M., May, H., Sands, T., Aggarwal, V., Elder, C., Feyma, T., Bayat, et al  
2022
- **Connectivity increases during spikes and spike-free periods in self-limited epilepsy with centrotemporal spikes.** *Clinical neurophysiology : official journal of the International Federation of Clinical Neurophysiology*  
Goad, B. S., Lee-Messer, C., He, Z., Porter, B. E., Baumer, F. M.  
2022
- **Limited utility of structural MRI to identify the epileptogenic zone in young children with tuberous sclerosis.** *Journal of neuroimaging : official journal of the American Society of Neuroimaging*  
Nijman, M., Yang, E., Jaimes, C., Prohl, A. K., Sahin, M., Krueger, D. A., Wu, J. Y., Northrup, H., Stone, S. S., Madsen, J. R., Fallah, A., Blount, J. P., Weiner, et al  
2022
- **Somatic variants in diverse genes leads to a spectrum of focal cortical malformations.** *Brain : a journal of neurology*

- Lai, D., Gade, M., Yang, E., Koh, H. Y., Lu, J., Walley, N. M., Buckley, A. F., Sands, T. T., Akman, C. I., Mikati, M. A., McKhann, G. M., Goldman, J. E., Canoll, et al  
2022
- **Antiseizure medication use and medical resource utilization after resective epilepsy surgery in children in the United States: A contemporary nationwide cross-sectional cohort analysis.** *Epilepsia*  
Parker, J. J., Zhang, Y., Fatemi, P., Halpern, C. H., Porter, B. E., Grant, G. A.  
2022
  - **An Atlas of the Quantitative Protein Expression of Anti-Epileptic-Drug Transporters, Metabolizing Enzymes and Tight Junctions at the Blood-Brain Barrier in Epileptic Patients.** *Pharmaceutics*  
Sato, R., Ohmori, K., Umetsu, M., Takao, M., Tano, M., Grant, G., Porter, B., Bet, A., Terasaki, T., Uchida, Y.  
1800; 13 (12)
  - **Growth and Overall Health of Patients with SLC13A5 Citrate Transporter Disorder.** *Metabolites*  
Brown, T. L., Nye, K. L., Porter, B. E.  
2021; 11 (11)
  - **Real-World Preliminary Experience With Responsive Neurostimulation in Pediatric Epilepsy: A Multicenter Retrospective Observational Study.** *Neurosurgery*  
Nagahama, Y., Zervos, T. M., Murata, K. K., Holman, L., Karsonovich, T., Parker, J. J., Chen, J., Phillips, H. W., Fajardo, M., Nariai, H., Hussain, S. A., Porter, B. E., Grant, et al  
2021
  - **A Standardized Protocol to Improve Acute Seizure Management in Hospitalized Pediatric Patients.** *Hospital pediatrics*  
Pavitt, S., Carley, A., Porter, B., Knowles, J. K.  
2021
  - **Lacosamide-Induced Dyskinesia in Children With Intractable Epilepsy.** *Journal of child neurology*  
Madani, N., O'Malley, J. A., Porter, B. E., Baumer, F. M.  
2020: 883073820926634
  - **Pilot Study of Neurodevelopmental Impact of Early Epilepsy Surgery in Tuberous Sclerosis Complex.** *Pediatric neurology*  
Grayson, L. E., Peters, J. M., McPherson, T., Krueger, D. A., Sahin, M., Wu, J. Y., Northrup, H. A., Porter, B., Cutter, G. R., O'Kelley, S. E., Krefting, J., Stone, S. S., Madsen, et al  
2020
  - **Pathogenic Variants in CEP85L Cause Sporadic and Familial Posterior Predominant Lissencephaly.** *Neuron*  
Tsai, M., Muir, A. M., Wang, W., Kang, Y., Yang, K., Chao, N., Wu, M., Chang, Y., Porter, B. E., Jansen, L. A., Sebire, G., Deconinck, N., Fan, et al  
2020
  - **Postoperative outcomes following pediatric intracranial electrode monitoring: A case for stereoelectroencephalography (SEEG).** *Epilepsy & behavior: E&B*  
Kim, L. H., Parker, J. J., Ho, A. L., Pendharkar, A. V., Sussman, E. S., Halpern, C. H., Porter, B. n., Grant, G. A.  
2020; 104 (Pt A): 106905
  - **Epilepsy and EEG Phenotype of SLC13A5 Citrate Transporter Disorder.** *Child neurology open*  
Yang, Q. Z., Spelbrink, E. M., Nye, K. L., Hsu, E. R., Porter, B. E.  
2020; 7: 2329048X20931361
  - **The Epilepsy Genetics Initiative: Systematic reanalysis of diagnostic exomes increases yield** *EPILEPSIA*  
Berkovic, S. F., Goldstein, D. B., Heinzen, E. L., Laughlin, B. L., Lowenstein, D. H., Lubbers, L., Stewart, R., Whittemore, V., Angione, K., Bazil, C. W., Bier, L., Bluvstein, J., Brimble, et al  
2019; 60 (5): 797–806
  - **Stereotactic laser ablation for completion corpus callosotomy.** *Journal of neurosurgery. Pediatrics*  
Huang, Y. n., Yecies, D. n., Bruckert, L. n., Parker, J. J., Ho, A. L., Kim, L. H., Fornoff, L. n., Wintermark, M. n., Porter, B. n., Yeom, K. W., Halpern, C. H., Grant, G. A.  
2019: 1–9
  - **Robot guided pediatric stereoelectroencephalography: single-institution experience** *JOURNAL OF NEUROSURGERY-PEDIATRICS*

- Ho, A. L., Muftuoglu, Y., Pendharkar, A., Sussman, E. S., Porter, B. E., Halpern, C. H., Grant, G. A.  
2018; 22 (5): 489–96
- **Robot-guided pediatric stereoelectroencephalography: single-institution experience.** *Journal of neurosurgery. Pediatrics*  
Ho, A. L., Muftuoglu, Y., Pendharkar, A. V., Sussman, E. S., Porter, B. E., Halpern, C. H., Grant, G. A.  
2018: 1–8
  - **Normal Development of the Perineuronal Net in Humans; In Patients with and without Epilepsy** *NEUROSCIENCE*  
Rogers, S. L., Rankin-Gee, E., Risbud, R. M., Porter, B. E., Marsh, E. D.  
2018; 384: 350–60
  - **Alterations of network synchrony after epileptic seizures: An analysis of post-ictal intracranial recordings in pediatric epilepsy patients** *EPILEPSY RESEARCH*  
Tomlinson, S. B., Khambhati, A. N., Bermudez, C., Kamens, R. M., Heuer, G. G., Porter, B. E., Marsh, E. D.  
2018; 143: 41–49
  - **Somatic SLC35A2 variants in the brain are associated with intractable neocortical epilepsy** *ANNALS OF NEUROLOGY*  
Winawer, M. R., Griffin, N. G., Samanamud, J., Baugh, E. H., Rathakrishnan, D., Ramalingam, S., Zagzag, D., Schevon, C. A., Dugan, P., Hegde, M., Sheth, S. A., McKhann, G. M., Doyle, et al  
2018; 83 (6): 1133–46
  - **Clinical and electrographic features of sunflower syndrome** *EPILEPSY RESEARCH*  
Baumer, F. M., Porter, B. E.  
2018; 142: 58–63
  - **Refractory focal epilepsy in a paediatric patient with primary familial brain calcification** *SEIZURE-EUROPEAN JOURNAL OF EPILEPSY*  
Knowles, J. K., Santoro, J. D., Porter, B. E., Baumer, F. M.  
2018; 56: 50–52
  - **De novo variants in the alternative exon 5 of SCN8A cause epileptic encephalopathy** *GENETICS IN MEDICINE*  
Berkovic, S. F., Dixon-Salazar, T., Goldstein, D. B., Heinzen, E. L., Laughlin, B. L., Lowenstein, D. H., Lubbers, L., Milder, J., Stewart, R., Whittemore, V., Angione, K., Bazil, C. W., Bier, et al  
2018; 20 (2): 275–81
  - **Clinical and electrographic features of sunflower syndrome.** *Epilepsy research*  
Baumer, F. M., Porter, B. E.  
2018; 142: 58–63
  - **Delay in pediatric epilepsy surgery: A caregiver's perspective.** *Epilepsy & behavior : E&B*  
Shen, A. n., Quaid, K. T., Porter, B. E.  
2018; 78: 175–78
  - **Language Dysfunction in Pediatric Epilepsy.** *The Journal of pediatrics*  
Baumer, F. M., Cardon, A. L., Porter, B. E.  
2018; 194: 13–21
  - **Refractory focal epilepsy in a paediatric patient with primary familial brain calcification.** *Seizure*  
Knowles, J. K., Santoro, J. D., Porter, B. E., Baumer, F. M.  
2018; 56: 50–52
  - **Clinical spectrum and genotype-phenotype associations of KCNA2-related encephalopathies** *BRAIN*  
Masnada, S., Hedrich, U. B. S., Gardella, E., Schubert, J., Kaiwar, C., Klee, E. W., Lanpher, B. C., Gavrilova, R. H., Synofzik, M., Bast, T., Gorman, K., King, M. D., Allen, et al  
2017; 140: 2337–54
  - **Analyses of SLC13A5-epilepsy patients reveal perturbations of TCA cycle** *MOLECULAR GENETICS AND METABOLISM*  
Bainbridge, M. N., Cooney, E., Miller, M., Kennedy, A. D., Wulff, J. E., Donti, T., Jhangiani, S. N., Gibbs, R. A., Elsea, S. H., Porter, B. E., Graham, B. H.  
2017; 121 (4): 314–19
  - **R-SCAN: Imaging for Pediatric Simple Febrile Seizures.** *Journal of the American College of Radiology*

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- Lee, S., Fisher, P., Grant, G. A., Porter, B., Dannenberg, B., Wintermark, M.  
2017
- **Increased metalloproteinase activity in the hippocampus following status epilepticus** *EPILEPSY RESEARCH*  
Dubey, D., McRae, P. A., Rankin-Gee, E. K., Baranov, E., Wandrey, L., Rogers, S., Porter, B. E.  
2017; 132: 50-58
  - **Interictal network synchrony and local heterogeneity predict seizure relief following pediatric epilepsy surgery**  
Tomlinson, S., Marsh, E., Porter, B.  
LIPPINCOTT WILLIAMS & WILKINS.2017
  - **Interictal network synchrony and local heterogeneity predict epilepsy surgery outcome among pediatric patients** *EPILEPSIA*  
Tomlinson, S. B., Porter, B. E., Marsh, E. D.  
2017; 58 (3): 402-11
  - **Spatiotemporal Mapping of Interictal Spike Propagation: A Novel Methodology Applied to Pediatric Intracranial EEG Recordings** *FRONTIERS IN NEUROLOGY*  
Tomlinson, S. B., Bermudez, C., Conley, C., Brown, M. W., Porter, B. E., Marsh, E. D.  
2016; 7
  - **Increased precursor microRNA-21 following status epilepticus can compete with mature microRNA-21 to alter translation.** *Experimental neurology*  
Chak, K., Roy-Chaudhuri, B., Kim, H. K., Kemp, K. C., Porter, B. E., Kay, M. A.  
2016; 286: 137-146
  - **KCNQ2 encephalopathy Features, mutational hot spots, and ezogabine treatment of 11 patients** *NEUROLOGY-GENETICS*  
Millichap, J. J., Park, K. L., Tsuchida, T., Ben-Zeev, B., Carmant, L., Flamini, R., Joshi, N., Levisohn, P. M., Marsh, E., Nangia, S., Narayanan, V., Ortiz-Gonzalez, X. R., Patterson, et al  
2016; 2 (5): e96
  - **Diagnosis of adenylosuccinate lyase deficiency by metabolomic profiling in plasma reveals a phenotypic spectrum.** *Molecular genetics and metabolism reports*  
Donti, T. R., Cappuccio, G., Hubert, L., Neira, J., Atwal, P. S., Miller, M. J., Cardon, A. L., Sutton, V. R., Porter, B. E., Baumer, F. M., Wangler, M. F., Sun, Q., Emrick, et al  
2016; 8: 61-66
  - **A Potential Role for Glia-Derived Extracellular Matrix Remodeling in Postinjury Epilepsy** *JOURNAL OF NEUROSCIENCE RESEARCH*  
Kim, S. Y., Porter, B. E., Friedman, A., Kaufer, D.  
2016; 94 (9): 794-803
  - **Plasma taurine levels are not affected by vigabatrin in pediatric patients.** *Epilepsia*  
Spelbrink, E. M., Mabud, T. S., Reimer, R., Porter, B. E.  
2016; 57 (8): e168-72
  - **CRTC1 NUCLEAR LOCALIZATION IN THE HIPPOCAMPUS OF THE PILOCARPINE-INDUCED STATUS EPILEPTICUS MODEL OF TEMPORAL LOBE EPILEPSY** *NEUROSCIENCE*  
Dubey, D., Porter, B. E.  
2016; 320: 57-68
  - **Mutations in the Na(+)/citrate cotransporter NaCT (SLC13A5) in pediatric patients with epilepsy and developmental delay.** *Molecular medicine*  
Klotz, J., Porter, B. E., Colas, C., Schlessinger, A., Pajor, A. M.  
2016; 22
  - **Suppressing cAMP response element-binding protein transcription shortens the duration of status epilepticus and decreases the number of spontaneous seizures in the pilocarpine model of epilepsy** *EPILEPSIA*  
Zhu, X., Dubey, D., Bermudez, C., Porter, B. E.  
2015; 56 (12): 1870-1878
  - **INCREASED SENSITIVITY TO KINDLING IN MICE LACKING TSP1** *NEUROSCIENCE*  
Mendus, D., Rankin-Gee, E. K., Mustapha, M., Porter, B. E.

2015; 305: 302-308

- **Perineuronal net degradation in epilepsy.** *Epilepsia*  
Rankin-Gee, E. K., McRae, P. A., Baranov, E., Rogers, S., Wandrey, L., Porter, B. E.  
2015; 56 (7): 1124-1133
- **50 years ago in the journal of pediatrics: convulsive equivalent syndrome of childhood.** *journal of pediatrics*  
Maclean, J., Porter, B.  
2014; 164 (5): 1050-?
- **Report of a parent survey of cannabidiol-enriched cannabis use in pediatric treatment-resistant epilepsy** *EPILEPSY & BEHAVIOR*  
Porter, B. E., Jacobson, C.  
2013; 29 (3): 574-577
- **MEF2C Haploinsufficiency features consistent hyperkinesia, variable epilepsy, and has a role in dorsal and ventral neuronal developmental pathways** *NEUROGENETICS*  
Paciorkowski, A. R., Traylor, R. N., Rosenfeld, J. A., Hoover, J. M., Harris, C. J., Winter, S., Lacassie, Y., Bialer, M., Lamb, A. N., Schultz, R. A., Berry-Kravis, E., Porter, B. E., Falk, et al  
2013; 14 (2): 99-111
- **Focal cortical dysplasia is more common in boys than in girls** *EPILEPSY & BEHAVIOR*  
Ortiz-Gonzalez, X. R., Poduri, A., Roberts, C. M., Sullivan, J. E., Marsh, E. D., Porter, B. E.  
2013; 27 (1): 121-123
- **Changes in MicroRNA Expression in the Whole Hippocampus and Hippocampal Synaptoneurosomes following Pilocarpine Induced Status Epilepticus** *PLOS ONE*  
Risbud, R. M., Porter, B. E.  
2013; 8 (1)
- **Persistent decrease in multiple components of the perineuronal net following status epilepticus** *EUROPEAN JOURNAL OF NEUROSCIENCE*  
McRae, P. A., Baranov, E., Rogers, S. L., Porter, B. E.  
2012; 36 (11): 3471-3482
- **The perineuronal net component of the extracellular matrix in plasticity and epilepsy** *NEUROCHEMISTRY INTERNATIONAL*  
McRae, P. A., Porter, B. E.  
2012; 61 (7): 963-972
- **Decreased CREB levels suppress epilepsy** *NEUROBIOLOGY OF DISEASE*  
Zhu, X., Han, X., Blendy, J. A., Porter, B. E.  
2012; 45 (1): 253-263
- **Neurotrophin-3 mRNA a putative target of miR21 following status epilepticus** *BRAIN RESEARCH*  
Risbud, R. M., Lee, C., Porter, B. E.  
2011; 1424: 53-59
- **Ganglioglioma arising from dysplastic cortex** *EPILEPSIA*  
Ortiz-Gonzalez, X. R., Venneti, S., Biegel, J. A., Rorke-Adams, L. B., Porter, B. E.  
2011; 52 (9): E106-E108
- **Subependymal Giant Cell Astrocytoma (SEGA) Treatment Update** *CURRENT TREATMENT OPTIONS IN NEUROLOGY*  
Campen, C. J., Porter, B. E.  
2011; 13 (4): 380-385
- **Group I mGluR-regulated translation of the neuronal glutamate transporter, excitatory amino acid carrier 1** *JOURNAL OF NEUROCHEMISTRY*  
Ross, J. R., Ramakrishnan, H., Porter, B. E., Robinson, M. B.  
2011; 117 (5): 812-823
- **mRNA for the EAAC1 subtype of glutamate transporter is present in neuronal dendrites in vitro and dramatically increases in vivo after a seizure** *NEUROCHEMISTRY INTERNATIONAL*

- Ross, J. R., Porter, B. E., Buckley, P. T., Eberwine, J. H., Robinson, M. B.  
2011; 58 (3): 366-375
- **Discrete gamma oscillations identify the seizure onset zone in some pediatric epilepsy patients** *33rd Annual International Conference of the IEEE Engineering-in-Medicine-and-Biology-Society (EMBS)*  
Gupta, J. R., Marsh, E. D., Nieh, H. E., Porter, B. E., Litt, B.  
IEEE.2011: 3095-3098
  - **Aggrecan expression, a component of the inhibitory interneuron perineuronal net, is altered following an early-life seizure** *NEUROBIOLOGY OF DISEASE*  
McRae, P. A., Baranov, E., Sarode, S., Brooks-Kayal, A. R., Porter, B. E.  
2010; 39 (3): 439-448
  - **Interictal EEG spikes identify the region of electrographic seizure onset in some, but not all, pediatric epilepsy patients** *EPILEPSIA*  
Marsh, E. D., Peltzer, B., Brown, M. W., Wusthoff, C., Storm, P. B., Litt, B., Porter, B. E.  
2010; 51 (4): 592-601
  - **Seizures increase cell proliferation in the dentate gyrus by shortening progenitor cell-cycle length** *EPILEPSIA*  
Varodayan, F. P., Zhu, X., Cui, X., Porter, B. E.  
2009; 50 (12): 2638-2647
  - **Topiramate and Adrenocorticotrophic Hormone (ACTH) as Initial Treatment for Infantile Spasms** *JOURNAL OF CHILD NEUROLOGY*  
Peltzer, B., Alonso, W. D., Porter, B. E.  
2009; 24 (4): 400-405
  - **The role of transcription factors cyclic-AMP responsive element modulator (CREM) and inducible cyclic-amp early repressor (ICER) in epileptogenesis** *NEUROSCIENCE*  
Porter, B. E., Lund, I. V., Varodayan, F. P., Wallace, R. W., Blendy, J. A.  
2008; 152 (3): 829-836
  - **Neurogenesis and epilepsy in the developing brain** *EPILEPSIA*  
Porter, B. E.  
2008; 49: 50-54
  - **Comparison of novel computer detectors and human performance for spike detection in intracranial EEG** *CLINICAL NEUROPHYSIOLOGY*  
Brown, M. W., Porter, B. E., Dlugos, D. J., Keating, J., Gardner, A. B., Storm, P. B., Marsh, E. D.  
2007; 118 (8): 1744-1752
  - **Seizures and antiepileptic drugs: Does exposure alter normal brain development ?** *EPILEPSIA*  
Marsh, E. D., Brooks-Kayal, A. R., Porter, B. E.  
2006; 47 (12): 1999-2010
  - **Increased GABA(A)-receptor alpha 1-subunit expression in hippocampal dentate gyrus after early-life status epilepticus** *EPILEPSIA*  
Raol, Y. H., Zhang, G., Lund, I. V., Porter, B. E., Maronski, M. A., Brooks-Kayal, A. R.  
2006; 47 (10): 1665-1673
  - **Dystrophic neuritic processes in epileptic cortex** *EPILEPSY RESEARCH*  
Judkins, A. R., Porter, B. E., Cook, N., Clancy, R. R., Duhaime, A. C., Golden, J. A.  
2006; 70 (1): 49-58
  - **Status epilepticus differentially alters AMPA and kainate receptor subunit expression in mature and immature dentate granule neurons** *EUROPEAN JOURNAL OF NEUROSCIENCE*  
Porter, B. E., Cui, X., Brooks-Kayal, A. R.  
2006; 23 (11): 2857-2863
  - **Heterogeneous GABA(A) receptor subunit expression in pediatric epilepsy patients** *NEUROBIOLOGY OF DISEASE*  
Porter, B. E., Zhang, G. J., Celix, J., Hsu, F. C., Raol, Y. S., Telfeian, A., Gallagher, P. R., Coulter, D. A., Brooks-Kayal, A. R.  
2005; 18 (3): 484-491
  - **Fate of newborn dentate granule cells after early life status epilepticus** *EPILEPSIA*  
Porter, B. E., Maronski, M., Brooks-Kayal, A. R.

2004; 45 (1): 13-19

- **Dysplasia - A common finding in intractable pediatric temporal lobe epilepsy** *NEUROLOGY*  
Porter, B. E., Judkins, A. R., Clancy, R. R., Duhaime, A., Dlugos, D. J., Golden, J. A.  
2003; 61 (3): 365-368
- **Disorders of cortical development and epilepsy** *ARCHIVES OF NEUROLOGY*  
Porter, B. E., Brooks-Kayal, A., Golden, J. A.  
2002; 59 (3): 361-365
- **Myelin and disorders that affect the formation and maintenance of this sheath** *MENTAL RETARDATION AND DEVELOPMENTAL DISABILITIES RESEARCH REVIEWS*  
Porter, B. E., Tennekoon, G.  
2000; 6 (1): 47-58
- **Distinct structures and functions of related pre- and postsynaptic carbohydrates at the mammalian neuromuscular junction** *MOLECULAR AND CELLULAR NEUROSCIENCE*  
Martin, P. T., Scott, L. J., Porter, B. E., Sanes, J. R.  
1999; 13 (2): 105-118
- **DISTINCT ADHESIVE PROPERTIES OF CILIARY AND CHOROID NEURONS FROM THE AVIAN CILIARY GANGLION** *JOURNAL OF NEUROBIOLOGY*  
Porter, B. E., Sanes, J. R.  
1995; 28 (3): 381-390
- **A MOTONEURON-SELECTIVE STOP SIGNAL IN THE SYNAPTIC PROTEIN S-LAMININ** *NEURON*  
Porter, B. E., Weis, J., Sanes, J. R.  
1995; 14 (3): 549-559
- **GATED MIGRATION - NEURONS MIGRATE ON BUT NOT ONTO SUBSTRATES CONTAINING S-LAMININ** *DEVELOPMENTAL BIOLOGY*  
Porter, B. E., Sanes, J. R.  
1995; 167 (2): 609-616
- **S-LAMININ - MAPPING TO MOUSE CHROMOSOME-9 AND EXPRESSION IN THE LINKED MUTANTS TIPPY AND DUCKY** *GENOMICS*  
Porter, B. E., JUSTICE, M. J., Copeland, N. G., Jenkins, N. A., Hunter, D. D., Merlie, J. P., Sanes, J. R.  
1993; 16 (1): 278-281
- **PRIMARY SEQUENCE OF A MOTOR NEURON SELECTIVE ADHESIVE SITE IN THE SYNAPTIC BASAL LAMINA PROTEIN S-LAMININ** *CELL*  
Hunter, D. D., Porter, B. E., BULLOCK, J. W., Adams, S. P., Merlie, J. P., Sanes, J. R.  
1989; 59 (5): 905-913
- **RESTORATION OF CELL-VOLUME AND THE REVERSAL OF CARBOHYDRATE TRANSPORT AND GROWTH-INHIBITION OF OSMOTICALLY UP-SHOCKED ESCHERICHIA-COLI** *BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS*  
ROTH, W. G., Porter, S. E., LECKIE, M. P., Porter, B. E., DIETZLER, D. N.  
1985; 126 (1): 442-449