

## Emily M. Spelbrink

- Clinical Associate Professor, Pediatric Neurology
- Clinical Associate Professor (By courtesy), Pediatrics

### CLINICAL OFFICE (PRIMARY)

- **San Francisco Orthopedics and Sports Medicine Clinic**

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### Bio

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#### CLINICAL FOCUS

- Pediatric Epilepsy
- Epilepsy

#### ACADEMIC APPOINTMENTS

- Clinical Associate Professor, Pediatric Neurology
- Clinical Associate Professor (By courtesy), Pediatrics
- Member, Maternal & Child Health Research Institute (MCHRI)

#### PROFESSIONAL EDUCATION

- Board Certification: Neurology with Special Qualifications in Child Neurology, American Board of Psychiatry and Neurology (2015)
- Medical Education: University of California San Diego School of Medicine (2010) CA
- Board Certification: Epilepsy, American Board of Psychiatry and Neurology (2016)
- Fellowship: UCSF Pediatric Residency (2016) CA
- Residency: Stanford University Hospital and Clinics, Lucile Packard Children's Hospital (2015) CA
- Internship: Harbor UCLA Medical Center (2012) CA United States of America

#### LINKS

- Get a Second Opinion: <https://stanfordhealthcare.org/second-opinion/overview.html>

### Publications

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#### PUBLICATIONS

- **Neuropsychological referral practices in early life epilepsy (ELE): A survey of the pediatric epilepsy research Consortium.** *Epilepsy & behavior* : E&B  
Eschbach, K., Silveira, L., Spelbrink, E. M., Wirrell, E., Bhatia, S., Bearden, D. J., Ludwig, N. N.  
2026; 177: 110934

- **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
- **A Multicenter Training and Interrater Reliability Study of the BASED Score for Infantile Epileptic Spasms Syndrome.** *Journal of clinical neurophysiology : official publication of the American Electroencephalographic Society*  
Mytinger, J. R., Albert, D. V., Aylward, S. C., Beatty, C. W., Bhalla, S., Bhatia, S., Brock, G. N., Ciliberto, M. A., Choudhari, P. R., Clark, D. J., Cohen, J. M., Czech, T. M., Fredwall, et al  
2025; 42 (3): 230-234
- **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
- **A Multicenter Training and Interrater Reliability Study of the BASED Score for Infantile Epileptic Spasms Syndrome.** *Journal of clinical neurophysiology : official publication of the American Electroencephalographic Society*  
Mytinger, J. R., Albert, D. V., Aylward, S. C., Beatty, C. W., Bhalla, S., Bhatia, S., Brock, G. N., Ciliberto, M. A., Choudhari, P. R., Clark, D. J., Cohen, J. M., Czech, T. M., Fredwall, et al  
2024
- **Impact of an Interactive, Animation-Based Electroencephalography Curriculum on Learner Confidence and Knowledge.** *Pediatric neurology*  
Silverman, A., Hilgenberg, S., Shen, S., Spelbrink, E. M., Klotz, J.  
2023; 151: 96-103
- **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
- **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
- **Case Studies in Neuroscience: A Novel Amino Acid Duplication in the N-terminus of the Brain Sodium Channel NaV1.1 Underlying Dravet Syndrome.** *Journal of neurophysiology*  
Angus, M., Peters, C. H., Poburko, D., Brimble, E., Spelbrink, E. M., Ruben, P. C.  
2019
- **Seizures in Preterm Infants** *JOURNAL OF CLINICAL NEUROPHYSIOLOGY*  
Jacobs, J., Spelbrink, E. M.  
2016; 33 (5): 382-93
- **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
- **A Distinctive Layering Pattern of Mouse Dentate Granule Cells is Generated by Developmental and Adult Neurogenesis** *JOURNAL OF COMPARATIVE NEUROLOGY*  
Mathews, E. A., Morgenstern, N. A., Piatti, V. C., Zhao, C., Jessberger, S., Schinder, A. F., Gage, F. H.  
2010; 518 (22): 4479-90
- **Epigenetic modulation of seizure-induced neurogenesis and cognitive decline** *JOURNAL OF NEUROSCIENCE*  
Jessberger, S., Nakashima, K., Clemenson, G. D., Mejia, E., Mathews, E., Ure, K., Ogawa, S., Sinton, C. M., Gage, F. H., Hsieh, J.  
2007; 27 (22): 5967-75
- **Crosstalk between nitric oxide and zinc pathways to neuronal cell death involving mitochondrial dysfunction and p38-activated K<sup>+</sup> channels** *NEURON*  
Bossy-Wetzell, E., Talantova, M. V., Lee, W. D., Scholzke, M. N., Harrop, A., Mathews, E., Gotz, T., Han, J. H., Ellisman, M. H., Perkins, G. A., Lipton, S. A.  
2004; 41 (3): 351-65

- **Dominant-interfering forms of MEF2 generated by caspase cleavage contribute to NMDA-induced neuronal apoptosis** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*  
Okamoto, S., Li, Z., Ju, C., Scholzke, M. N., Mathews, E., Cui, J. K., Salvesen, G. S., Bossy-Wetzel, E., Lipton, S. A.  
2002; 99 (6): 3974–79