Stanford

Esther H. Nie

Clinical Instructor, Neurology & Neurological Sciences

CLINICAL OFFICE (PRIMARY)

- **Neurology**

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ACADEMIC CONTACT INFORMATION

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Bio

BIO

Esther Nie MD, PhD is currently a Neuroimmunology Fellow with a special focus on neuroimmuno-oncology. She completed Adult Neurology Residency at Stanford. Dr. Nie's clinical interests include neurological presentations of CAR-T neurotoxicity, BITE therapies, and CNS/PNS demyelinating diseases. Her research interests include: microglial response in CAR-T therapy, steroid effects on the CAR-T/neurological outcomes, and enhancing repair after brain injury.

CLINICAL FOCUS

- Neuroimmunology
- Neurology

ACADEMIC APPOINTMENTS

- Clinical Instructor, Neurology & Neurological Sciences

PROFESSIONAL EDUCATION

- Fellowship: Stanford University Dept of Neurology (2023) CA
- Board Certification: Neurology, American Board of Psychiatry and Neurology (2022)
- Residency: Stanford University Neurology Residency (2022) CA
- Internship: Cedars Sinai Medical Center Internal Medicine Residency (2019) CA
- Medical Education: UCLA David Geffen School Of Medicine Registrar (2018) CA
- M.D., UCLA David Geffen School of Medicine , Medicine (2018)
- Ph.D., UCLA David Geffen School of Medicine , Neuroscience (2016)
- B.S., Yale University , Molecular Biophysics and Biochemistry (2009)

Research & Scholarship

CLINICAL TRIALS

- A Study of Anti-CD19 Chimeric Antigen Receptor T-Cell (CAR-T) Therapy in Subjects With Non-relapsing and Progressive Forms of Multiple Sclerosis, Recruiting

Publications

PUBLICATIONS

- **Clinical Features of Neurotoxicity Following CD19 CAR T-cell Therapy in Mantle Cell Lymphoma.** *Blood advances*
  Nie, E. H., Su, Y. J., Baird, J. H., Agarwal, N., Bharadwaj, S., Weng, W. K., Smith, M., Dahiya, S., Han, M. H., Dunn, J. E., Kipp, L. B., Miklos, D. B., Scott, et al
  2024
- **A rare non-gadolinium enhancing sarcoma brain metastasis with microenvironment dominated by tumor-associated macrophages.** *Acta neuropathologica communications*
  Rogawski, D., Wheeler, J., Nie, E., Zhu, W., Villanueva, E., Coffey, G., Ma, Q., Ganjoo, K., Fischbein, N., Iv, M., Vogel, H., Nagpal, S.
  2024; 12 (1): 15
- **Epidemiological and Clinical Outcome Determinants of Post-COVID-19 Myelopathy**
  Sumera, J., Sarkar, T., McDonald, J., Sattarnezhad, N., Nie, E., Kipp, L., Dunn, J., Han, M., Joseph, Y., Tomczak, A., Lock, C.
  SAGE PUBLICATIONS LTD.2023: 719
- **SARS-CoV-2 Vaccine Immune Response on Anti-Complement Therapy, Eculizumab**
  Sattarnezhad, N., Sumera, J., McDonald, J., Nie, E., Tomczak, A., Joseph, Y., Kalle, S., Sarkar, T., Kipp, L., Lock, C., Dunn, J. E., Han, M.
  LIPPINCOTT WILLIAMS & WILKINS.2023
- **Myelin Oligodendrocyte Glycoprotein Antibody Disease (MOGAD) in conjunction with Allogeneic Bone Marrow Transplantation and Autoimmune Neutropenia: A study of two companion cases and institutional review of the MOGAD clinical phenotype spectrum**
  Nie, E., McDonald, J., Dunn, J., Han, M.
  LIPPINCOTT WILLIAMS & WILKINS.2023
- **Multifocal demyelinating leukoencephalopathy and oligodendroglial lineage cell loss with immune effector cell-associated neurotoxicity syndrome (ICANS) following CD19 CAR T-cell therapy for mantle cell lymphoma.** *Journal of neuropathology and experimental neurology*
  Nie, E. H., Ahmadian, S. S., Bharadwaj, S. N., Acosta-Alvarez, L., Threlkeld, Z. D., Frank, M. J., Miklos, D. B., Monje, M., Scott, B. J., Vogel, H.
  2023
- **A rare neuromyelitis optica mimic: Primary CNS histiocytic sarcoma.** *Multiple sclerosis (Houndmills, Basingstoke, England)*
  Rogawski, D. S., Nirschl, J. J., McDonald, J., Nie, E., Schwartz, N. U., Vogel, H., Scott, B. J., Gold, C. A., Kipp, L. B.
  2022; 28 (10): 1651-1654
- **Major tumor regressions in H3K27M-mutated diffuse midline glioma (DMG) following sequential intravenous (IV) and intracerebroventricular (ICV) delivery of GD2-CAR T cells**
  Majzner, R. G., Mahdi, J., Ramakrishna, S., Patel, S., Chinnasamy, H., Yeom, K., Schultz, L., Barsan, V., Richards, R., Campen, C., Reschke, A., Toland, A., Baggott, et al
  AMER ASSOC CANCER RESEARCH.2022
- **MAJOR TUMOR REGRESSIONS IN H3K27M-MUTATED DIFFUSE MIDLINE GLIOMA (DMG) FOLLOWING SEQUENTIAL INTRAVENOUS (IV) AND INTRACEREBROVENTRICULAR (ICV) DELIVERY OF GD2-CAR T-CELLS**
  Monje, M., Majzner, R., Mahdi, J., Ramakrishna, S., Patel, S., Chinnasamy, H., Yeom, K., Schultz, L., Barsan, V., Richards, R., Campen, C., Reschke, A., Toland, et al
  OXFORD UNIV PRESS INC.2022: 20-21
- **Multifocal demyelinating leukoencephalopathy and oligodendroglial lineage cell loss with CD19 CAR T-cell lymphoma therapy**
  Nie, E., Ahmadian, S., Bharadwaj, S., Acosta-Alvarez, L., Threlkeld, Z., Frank, M., Miklos, D., Born, D., Scott, B., Monje, M., Vogel, H.
  OXFORD UNIV PRESS INC.2022: 464
- **Primary central nervous system histiocytic sarcoma presenting as neuromyelitis optica**
  Nirschl, J., Rogawski, D., McDonald, J., Nie, E., Schwartz, N., Scott, B., Gratzinger, D., Gold, C., Kipp, L., Vogel, H.

OXFORD UNIV PRESS INC.2022: 491

- **HLA-DR4-positive Vogt-Koyanagi-Harada (VKH) Syndrome: Review of pathophysiology and clinical correlation (P1-1.Virtual)**
  Loeffler, J., Nie, E., Han, M.
  LIPPINCOTT WILLIAMS & WILKINS.2022

- **GD2-CAR T cell therapy for H3K27M-mutated diffuse midline gliomas.** *Nature*
  Majzner, R. G., Ramakrishna, S., Yeom, K. W., Patel, S., Chinnasamy, H., Schultz, L. M., Richards, R. M., Jiang, L., Barsan, V., Mancusi, R., Geraghty, A. C., Good, Z., Mochizuki, et al
  2022

- **Molecular, cellular and functional events in axonal sprouting after stroke.** *Experimental neurology*
  Carmichael, S. T., Kathirvelu, B., Schweppe, C. A., Nie, E. H.
  2017; 287 (Pt 3): 384-394

- **GDF10 is a signal for axonal sprouting and functional recovery after stroke** *NATURE NEUROSCIENCE*
  Li, S., Nie, E. H., Yin, Y., Benowitz, L. I., Tung, S., Vinters, H. V., Bahjat, F. R., Stenzel-Poore, M. P., Kawaguchi, R., Coppola, G., Carmichael, S. T.
  2015; 18 (12): 1737-1745

- **###-Synuclein triple knockout mice reveal age-dependent neuronal dysfunction.** *Proceedings of the National Academy of Sciences of the United States of America*
  Greten-Harrison, B., Polydoro, M., Morimoto-Tomita, M., Diao, L., Williams, A. M., Nie, E. H., Makani, S., Tian, N., Castillo, P. E., Buchman, V. L., Chandra, S. S.
  2010; 107 (45): 19573-8