Stanford



Xavier Gaeta MD PhD

Instructor, Pediatrics - Nephrology

CLINICAL OFFICE (PRIMARY)

- **Nephrology**

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Bio

BIO

Dr. Xavier Gaeta is an Instructor in the division of Pediatric Nephrology and a postdoctoral fellow in the lab of Dr. Calvin J. Kuo. His research interests include using three-dimensional human kidney organoids and genetic engineering techniques to model human kidney disease, kidney development, and cancer in vitro.

CLINICAL FOCUS

- Pediatric Nephrology

ACADEMIC APPOINTMENTS

- Instructor, Pediatrics - Nephrology

HONORS AND AWARDS

- Pediatric Scientist Development Program (PSDP) Awardee, Association of Medical School Pediatric Department Chairs (AMSPDC) (2022-2025)
- Alice Litman Moss Outstanding Resident Award, UCLA Pediatrics Residency Program (2021)
- Emil Bogen Research Prize, UCLA David Geffen School of Medicine (2018)
- Inductee, Alpha Omega Alpha (ΑΩΑ) Medical Honor Society (2017)

PROFESSIONAL EDUCATION

- Board Certification: Pediatric Nephrology, American Board of Pediatrics (2026)
- Board Certification: Pediatrics, American Board of Pediatrics (2021)
- Fellowship, Stanford Pediatrics , Pediatric Nephrology (2024)
- Residency: Mattel Children's Hospital at UCLA (2021) CA
- Medical Education: UCLA David Geffen School Of Medicine (2018) CA
- PhD, UCLA , Molecular, Cellular, and Developmental Biology (2016)
- BS, Stanford University , Biological Sciences (2009)

Publications

PUBLICATIONS

- **A small molecule screen to identify regulators of let-7 targets** *SCIENTIFIC REPORTS*
  Cinkornpumin, J., Roos, M., Nguyen, L., Liu, X., Gaeta, X., Lin, S., Chan, D. N., Liu, A., Gregory, R. I., Jung, M., Chute, J., Zhu, H., Lowry, et al
  2017; 7: 15973

- **Defining Transcriptional Regulatory Mechanisms for Primary let-7 miRNAs** *PLOS ONE*
  Gaeta, X., Le, L., Lin, Y., Xie, Y., Lowry, W. E.
  2017; 12 (1): e0169237

- **Glycolytic Metabolism Plays a Functional Role in Regulating Human Pluripotent Stem Cell State** *CELL STEM CELL*
  Gu, W., Gaeta, X., Sahakyan, A., Chan, A. B., Hong, C. S., Kim, R., Braas, D., Plath, K., Lowry, W. E., Christofk, H. R.
  2016; 19 (4): 476–90

- **Identifying gene expression modules that define human cell fates** *STEM CELL RESEARCH*
  Germanguz, I., Listgarten, J., Cinkornpumin, J., Solomon, A., Gaeta, X., Lowry, W. E.
  2016; 16 (3): 712-724

- **Defining the Role of Oxygen Tension in Human Neural Progenitor Fate** *STEM CELL REPORTS*
  Xie, Y., Zhang, J., Lin, Y., Gaeta, X., Meng, X., Wisidagama, D. R. R., Cinkornpumin, J., Koehler, C. M., Malone, C. S., Teitell, M. A., Lowry, W. E.
  2014; 3 (5): 743–57

- **let-7 miRNAs Can Act through Notch to Regulate Human Gliogenesis** *STEM CELL REPORTS*
  Patterson, M., Gaeta, X., Loo, K., Edwards, M., Smale, S., Cinkornpumin, J., Xie, Y., Listgarten, J., Azghadi, S., Douglass, S. M., Pellegrini, M., Lowry, W. E.
  2014; 3 (5): 758-773

- **Sequential addition of reprogramming factors improves efficiency** *NATURE CELL BIOLOGY*
  Gaeta, X., Xie, Y., Lowry, W. E.
  2013; 15 (7): 725-727

- **The CCR2/CCL2 Interaction Mediates the Transendothelial Recruitment of Intravascularly Delivered Neural Stem Cells to the Ischemic Brain** *STROKE*
  Andres, R. H., Choi, R., Pendharkar, A. V., Gaeta, X., Wang, N., Nathan, J. K., Chua, J. Y., Lee, S. W., Palmer, T. D., Steinberg, G. K., Guzman, R.
  2011; 42 (10): 2923-U387

- **Intra-arterial injection of neural stem cells using a microneedle technique does not cause microembolic strokes** *JOURNAL OF CEREBRAL BLOOD FLOW AND METABOLISM*
  Chua, J. Y., Pendharkar, A. V., Wang, N., Choi, R., Andres, R. H., Gaeta, X., Zhang, J., Moseley, M. E., Guzman, R.
  2011; 31 (5): 1263-1271

- **Biodistribution of Neural Stem Cells After Intravascular Therapy for Hypoxic-Ischemia** *STROKE*
  Pendharkar, A. V., Chua, J. Y., Andres, R. H., Wang, N., Gaeta, X., Wang, H., De, A., Choi, R., Chen, S., Rutt, B. K., Gambhir, S. S., Guzman, R.
  2010; 41 (9): 2064-2070

- **Intracarotid delivery of CD49d FACS sorted neural stem cells enhances angiogenesis and improves functional outcome after experimental stroke**
  Guzman, R., Angeles, A., Choo, K., Gaeta, X., Cote, J., Cheshier, S., Steinberg, G. K.
  LIPPINCOTT WILLIAMS & WILKINS.2008: 540