



Jessica Hsueh

- Affiliate, Department Funds
- Fellow in Pediatrics - Peds/Critical Care

Bio

BIO

Current combined adult and pediatric critical care fellow physician interested in medical education, curriculum design, and health services for adolescent and young adults with childhood-onset chronic conditions and medical complexity.

Most recently, I pursued my internal medicine and pediatrics (MedPeds) residency, chief residency and a medical education fellowship at the University of Illinois in Chicago. During this time, I helped implement our new X+Y resident schedule, created a multidisciplinary medical education track for residents, revamped curricula on resident mistreatment and self-advocacy, and worked with both the pediatric and adult critical care teams to develop resuscitation simulation bootcamps. My academic and institutional service interests revolved around the evolution of expertise and belonging over the course of training, particularly as it pertains to critical care resuscitation, medical educators in training, and underrepresented groups in medicine.

CLINICAL FOCUS

- Fellow
- Pediatric Critical Care
- Adult Critical Care
- Transfer from Pediatric to Adult Care

PROFESSIONAL EDUCATION

- Certificate, University of Illinois at Chicago School of Health Professions Education , Curriculum Design and Assessment (2024)
- Fellowship, University of Illinois at Chicago College of Medicine , Clinical Leaders and Academic Scholars - Educational Leadership (2024)
- Residency, University of Illinois at Chicago College of Medicine , Internal Medicine & Pediatrics (2023)
- M.D., Northwestern University Feinberg School of Medicine , Doctor of Medicine (2019)
- B.S., University of California, San Diego , Biochemistry and Cell Biology (2012)

Research & Scholarship

RESEARCH INTERESTS

- Adolescence
- Assessment, Testing and Measurement
- Collaborative Learning
- Curriculum and Instruction

- Diversity and Identity
- Equity in Education
- Leadership and Organization
- Parents and Family Issues
- Professional Development
- Technology and Education

Publications

PUBLICATIONS

- **Holes in the Glycan Shield of the Native HIV Envelope Are a Target of Trimer-Elicited Neutralizing Antibodies** *CELL REPORTS*
McCoy, L. E., van Gils, M. J., Ozorowski, G., Messmer, T., Briney, B., Voss, J. E., Kulp, D. W., Macauley, M. S., Sok, D., Pauthner, M., Menis, S., Cottrell, C. A., Torres, et al
2016; 16 (9): 2327-2338
- **Minimally Mutated HIV-1 Broadly Neutralizing Antibodies to Guide Reductionist Vaccine Design** *PLOS PATHOGENS*
Jardine, J. G., Sok, D., Julien, J., Briney, B., Sarkar, A., Liang, C., Scherer, E. A., Dunand, C., Adachi, Y., Diwanji, D., Hsueh, J., Jones, M., Kalyuzhnyi, et al
2016; 12 (8): e1005815
- **A Prominent Site of Antibody Vulnerability on HIV Envelope Incorporates a Motif Associated with CCR5 Binding and Its Camouflaging Glycans** *IMMUNITY*
Sok, D., Pauthner, M., Briney, B., Lee, J., Saye-Francisco, K. L., Hsueh, J., Ramos, A., Le, K. M., Jones, M., Jardine, J. G., Bastidas, R., Sarkar, A., Liang, et al
2016; 45 (1): 31-45
- **Recombinant HIV envelope trimer selects for quaternary-dependent antibodies targeting the trimer apex.** *Proceedings of the National Academy of Sciences of the United States of America*
Sok, D., van Gils, M. J., Pauthner, M., Julien, J. P., Saye-Francisco, K. L., Hsueh, J., Briney, B., Lee, J. H., Le, K. M., Lee, P. S., Hua, Y., Seaman, M. S., Moore, et al
2014; 111 (49): 17624-9
- **Toward a more accurate view of human B-cell repertoire by next-generation sequencing, unbiased repertoire capture and single-molecule barcoding.** *Scientific reports*
He, L., Sok, D., Azadnia, P., Hsueh, J., Landais, E., Simek, M., Koff, W. C., Poignard, P., Burton, D. R., Zhu, J.
2014; 4: 6778
- **A Recombinant HIV Envelope Trimer Selects for Quaternary Dependent Antibodies Targeting the Trimer Apex**
Sok, D., van Gils, M. J., Pauthner, M., Saye-Francisco, K. L., Hsueh, J., Briney, B., Julien, J., Lee, P. S., Hua, Y., Moore, J. P., Wilson, I. A., Sanders, R. W., Burton, et al
MARY ANN LIEBERT, INC.2014: A7-A8