

Stanford



Pei Liu

Postdoctoral Research Fellow, Molecular Imaging Program at Stanford

 NIH Biosketch available Online

Bio

HONORS AND AWARDS

- Best Poster Presentation, International Chemical Biology Society, Madison, Wisconsin (2016)
- National Science Scholarship (PhD), A*STAR, Singapore (2014-2019)
- Edna H Graham '41 Prize, Mount Holyoke College (2013)
- Phi Beta Kappa, Mount Holyoke College (2013)
- Roll of Honors, A*STAR, Singapore (2013)
- Abby Howe Turner Award for Excellence in Biological Sciences, Mount Holyoke College (2012)
- Louisa Stone Stephenson Prizes for Excellence in Chemistry, Mount Holyoke College (2012)
- Chairman's Honors List, A*STAR, Singapore (2011-2013)
- Bernice MacLean Award for Excellence in Biological Sciences, Mount Holyoke College (2011-2012)
- National Science Scholarship (BS), A*STAR, Singapore (2010-2013)

PROFESSIONAL EDUCATION

- Doctor of Philosophy, University of California Berkeley (2019)
- BA, Mount Holyoke College, Biochemistry (2013)
- PhD, University of California, Berkeley, Chemistry (2019)

STANFORD ADVISORS

- Stanley Qi, Postdoctoral Research Mentor
- Katherine Ferrara, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **Electrophysiology, Unplugged: Imaging Membrane Potential with Fluorescent Indicators.** *Accounts of chemical research*
Liu, P., Miller, E. W.
2020; 53 (1): 11–19
- **Water-Soluble BODIPY Photocages with Tunable Cellular Localization.** *Journal of the American Chemical Society*
Kand, D., Liu, P., Navarro, M. X., Fischer, L. J., Rouso-Noori, L., Friedmann-Morvinski, D., Winter, A. H., Miller, E. W., Weinstain, R.
2020; 142 (11): 4970–74
- **Spying on Neuronal Membrane Potential with Genetically Targetable Voltage Indicators.** *Journal of the American Chemical Society*

Grenier, V., Daws, B. R., Liu, P., Miller, E. W.

2019; 141 (3): 1349–58

- **Covalently tethered rhodamine voltage reporters for high speed functional imaging in brain tissue.** *Journal of the American Chemical Society*
Deal, P. E., Liu, P., Al-Abdullatif, S. H., Muller, V. R., Shamardani, K., Adesnik, H., Miller, E. W.
2019
- **Synthesis of Sulfonated Carbofluoresceins for Voltage Imaging.** *Journal of the American Chemical Society*
Ortiz, G., Liu, P., Naing, S. H., Muller, V. R., Miller, E. W.
2019; 141 (16): 6631–38
- **Directing GDNF-mediated neuronal signaling with proactively programmable cell-surface saccharide-free glycosaminoglycan mimetics.** *Chemical communications (Cambridge, England)*
Cai, S., Lukamto, D. H., Toh, J. K., Huber, R. G., Bond, P. J., Jee, J. E., Lim, T. C., Liu, P., Chen, L., Qu, Q. V., Lee, S. S., Lee, S. G.
2019; 55 (9): 1259–62
- **Fluorogenic Targeting of Voltage-Sensitive Dyes to Neurons.** *Journal of the American Chemical Society*
Liu, P., Grenier, V., Hong, W., Muller, V. R., Miller, E. W.
2017; 139 (48): 17334–40
- **Tailored chondroitin sulfate glycomimetics via a tunable multivalent scaffold for potentiating NGF/TrkA-induced neurogenesis.** *Chemical science*
Liu, P., Chen, L., Toh, J. K., Ang, Y. L., Jee, J. E., Lim, J., Lee, S. S., Lee, S. G.
2015; 6 (1): 450–56
- **meso-Methylhydroxy BODIPY: a scaffold for photo-labile protecting groups.** *Chemical communications (Cambridge, England)*
Rubinstein, N., Liu, P., Miller, E. W., Weinstain, R.
2015; 51 (29): 6369–72