

Stanford



Justin Meyerowitz

Postdoctoral Scholar, Anesthesiology, Perioperative and Pain Medicine

CLINICAL OFFICES

- **Medicine**

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Bio

CLINICAL FOCUS

- Anesthesia

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Voting Member, Pharmacy and Therapeutics Committee, Stanford Hospital and Clinics (2020 - present)

PROFESSIONAL EDUCATION

- Residency: Stanford University Anesthesiology Residency (2020) CA
- Internship: Stanford University Internal Medicine Residency (2017) CA
- Doctor of Medicine, University of California San Francisco (2016)
- Doctor of Philosophy, University of California San Francisco, Chemistry and Chemical Biology (2014)
- Bachelor of Science, Haverford College, Biology (major), Biochemistry (concentration), and Mathematics (minor) (2009)

STANFORD ADVISORS

- Georgios Skiniotis, Postdoctoral Research Mentor

LINKS

- Lab Website: <http://med.stanford.edu/skiniotislab/about.html>

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Pharmacology and structural biology of G protein-coupled receptors

Publications

PUBLICATIONS

- **Drugging MYCN through an Allosteric Transition in Aurora Kinase A.** *Cancer cell*
Gustafson, W. C., Meyerowitz, J. G., Nekritz, E. A., Chen, J. n., Benes, C. n., Charron, E. n., Simonds, E. F., Seeger, R. n., Matthay, K. K., Hertz, N. T., Eilers, M. n., Shokat, K. M., Weiss, et al
2014; 26 (3): 414–27
- **G-protein activation by a metabotropic glutamate receptor.** *Nature*
Seven, A. B., Barros-Álvarez, X., de Lapeyrière, M., Papasergi-Scott, M. M., Robertson, M. J., Zhang, C., Nwokonko, R. M., Gao, Y., Meyerowitz, J. G., Rocher, J. P., Schelshorn, D., Kobilka, B. K., Mathiesen, et al
2021
- **Asymmetric activation of the calcium-sensing receptor homodimer.** *Nature*
Gao, Y., Robertson, M. J., Rahman, S. N., Seven, A. B., Zhang, C., Meyerowitz, J. G., Panova, O., Hannan, F. M., Thakker, R. V., Bräuner-Osborne, H., Mathiesen, J. M., Skiniotis, G.
2021
- **BRAF Status in Personalizing Treatment Approaches for Pediatric Gliomas.** *Clinical cancer research*
Olow, A., Mueller, S., Yang, X., Hashizume, R., Meyerowitz, J., Weiss, W., Resnick, A. C., Waanders, A. J., Stalpers, L. J., Berger, M. S., Gupta, N., James, C. D., Petritsch, et al
2016; 22 (21): 5312-5321
- **N-Myc Drives Neuroendocrine Prostate Cancer Initiated from Human Prostate Epithelial Cells.** *Cancer cell*
Lee, J. K., Phillips, J. W., Smith, B. A., Park, J. W., Stoyanova, T., McCaffrey, E. F., Baertsch, R., Sokolov, A., Meyerowitz, J. G., Mathis, C., Cheng, D., Stuart, J. M., Shokat, et al
2016; 29 (4): 536-547
- **A new "angle" on kinase inhibitor design: Prioritizing amphosteric activity above kinase inhibition.** *Molecular & cellular oncology*
Meyerowitz, J. G., Weiss, W. A., Gustafson, W. C.
2015; 2 (2)
- **The prenatal origins of cancer** *NATURE REVIEWS CANCER*
Marshall, G. M., Carter, D. R., Cheung, B. B., Liu, T., Mateos, M. K., Meyerowitz, J. G., Weiss, W. A.
2014; 14 (4): 277-289
- **Epithelial carbonic anhydrases facilitate P-CO₂ and pH regulation in rat duodenal mucosa** *JOURNAL OF PHYSIOLOGY-LONDON*
Mizumori, M., Meyerowitz, J., Takeuchi, T., Lim, S., Lee, P., Supuran, C. T., Guth, P. H., Engel, E., Kaunitz, J. D., Akiba, Y.
2006; 573 (3): 827-842