


# Stanford

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## John Christopher Janetzko

Instructor, Molecular & Cellular Physiology

 Curriculum Vitae available Online

### Bio

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#### ACADEMIC APPOINTMENTS

- Instructor, Molecular & Cellular Physiology

#### HONORS AND AWARDS

- NIH Pathway to Independence Award (K99/R00), National Institutes of Health, NIGMS (2022-07-01 - Present)
- Damon Runyon Cancer Research Foundation Postdoctoral Fellowship, Damon Runyon Cancer Research Foundation (2018-01-01 - 2022-06-30)

#### LINKS

- website: <https://jjanetzko.github.io/jjanetzko-github-io/>

### Publications

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#### PUBLICATIONS

- **Viewpoint on the Second Transatlantic GPCR Symposium for Early Career Investigators** *ACS PHARMACOLOGY & TRANSLATIONAL SCIENCE*  
Janetzko, J., Johnson, C. P., Morales, P., Scharf, M. M.  
2022
- **Membrane phosphoinositides regulate GPCR-beta-arrestin complex assembly and dynamics.** *Cell*  
Janetzko, J., Kise, R., Barsi-Rhyné, B., Siepe, D. H., Heydenreich, F. M., Kawakami, K., Masureel, M., Maeda, S., Garcia, K. C., von Zastrow, M., Inoue, A., Kobilka, B. K.  
2022
- **Membrane Phosphoinositides Stabilize GPCR-arrestin Complexes and Provide Temporal Control of Complex Assembly and Dynamics.** *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*  
Janetzko, J., Kise, R., Barsi-Rhyné, B., Siepe, D. H., Heydenreich, F. M., Masureel, M., Kawakami, K., Garcia, K. C., von Zastrow, M., Inoue, A., Kobilka, B. K.  
2022; 36 Suppl 1
- **Protein Substrates Engage the Lumen of O-GlcNAc Transferase's Tetratricopeptide Repeat Domain in Different Ways.** *Biochemistry*  
Joiner, C. M., Hammel, F. A., Janetzko, J., Walker, S.  
2021
- **Structure of the neurotensin receptor 1 in complex with  $\beta$ -arrestin 1.** *Nature*  
Huang, W. n., Masureel, M. n., Qianhui, Q. n., Janetzko, J. n., Inoue, A. n., Kato, H. E., Robertson, M. J., Nguyen, K. C., Glenn, J. S., Skiniotis, G. n., Kobilka, B. K.  
2020
- **Structure-Based Evolution of Low Nanomolar O-GlcNAc Transferase Inhibitors.** *Journal of the American Chemical Society*  
Martin, S. E., Tan, Z., Itkonen, H. M., Duveau, D. Y., Paulo, J. A., Janetzko, J., Boutz, P. L., Tork, L., Moss, F. A., Thomas, C. J., Gygi, S. P., Lazarus, M. B., Walker, et al

2018

- **Aspartate Glycosylation Triggers Isomerization to Isoaspartate** *JOURNAL OF THE AMERICAN CHEMICAL SOCIETY*  
Janetzko, J., Walker, S.  
2017; 139 (9): 3332-3335
- **How the glycosyltransferase OGT catalyzes amide bond cleavage** *NATURE CHEMICAL BIOLOGY*  
Janetzko, J., Trauger, S. A., Lazarus, M. B., Walker, S.  
2016; 12 (11): 899-?
- **Development and Characterization of Potent Cyclic Acyldepsipeptide Analogues with Increased Antimicrobial Activity** *JOURNAL OF MEDICINAL CHEMISTRY*  
Goodreid, J. D., Janetzko, J., Maria, J. P., Wong, K. S., Leung, E., Eger, B. T., Bryson, S., Pai, E. F., Gray-Owen, S. D., Walker, S., Houry, W. A., Batey, R. A.  
2016; 59 (2): 624-646
- **A Small Molecule That Inhibits OGT Activity in Cells** *ACS CHEMICAL BIOLOGY*  
Ortiz-Meoz, R. F., Jiang, J., Lazarus, M. B., Orman, M., Janetzko, J., Fan, C., Duveau, D. Y., Tan, Z., Thomas, C. J., Walker, S.  
2015; 10 (6): 1392-1397
- **The Making of a Sweet Modification: Structure and Function of O-GlcNAc Transferase** *JOURNAL OF BIOLOGICAL CHEMISTRY*  
Janetzko, J., Walker, S.  
2014; 289 (50): 34424-34432
- **Organoboron-Based Allylation Approach to the Total Synthesis of the Medium-Ring Dilactone (+)-Antimycin A(1b)** *JOURNAL OF ORGANIC CHEMISTRY*  
Janetzko, J., Batey, R. A.  
2014; 79 (16): 7415-7424
- **HCF-1 Is Cleaved in the Active Site of O-GlcNAc Transferase** *SCIENCE*  
Lazarus, M. B., Jiang, J., Kapuria, V., Bhuiyan, T., Janetzko, J., Zandberg, W. F., Vocadlo, D. J., Herr, W., Walker, S.  
2013; 342 (6163): 1235-1239
- **Palladium beta-diiminate chemistry: Reactivity towards monodentate ligands and arylboronic acids** *INORGANICA CHIMICA ACTA*  
Annibale, V. T., Tan, R., Janetzko, J., Lund, L. M., Song, D.  
2012; 380: 308-321
- **Indium-Promoted Chemo- and Diastereoselective Allylation of alpha,beta-Epoxy Ketones with Potassium Allyltrifluoroborate** *ORGANIC LETTERS*  
Nowrouzi, F., Janetzko, J., Batey, R. A.  
2010; 12 (23): 5490-5493
- **Novel dinuclear and trinuclear palladium beta-diiminate complexes containing amido-chloro double-bridges** *DALTON TRANSACTIONS*  
Hadzovic, A., Janetzko, J., Song, D.  
2008: 3279-3281