



## Kelsie Eichel

Basic Life Res Scientist

Biology

 Curriculum Vitae available Online

### Bio

---

#### ACADEMIC APPOINTMENTS

- Basic Life Science Research Associate, Biology

#### HONORS AND AWARDS

- HHMI Hanna H. Gray Fellow, Howard Hughes Medical Institute (2019-present)
- Damon Runyon Postdoctoral Fellowship, Damon Runyon Cancer Research Foundation (2018-2019)

#### PROFESSIONAL EDUCATION

- B.A., Northwestern University , Biological Sciences (2010)

### Publications

---

#### PUBLICATIONS

- **Two intrinsic timing mechanisms set start and end times for dendritic arborization of a nociceptive neuron.** *Proceedings of the National Academy of Sciences of the United States of America*  
Suzuki, N., Zou, Y., Sun, H., Eichel, K., Shao, M., Shih, M., Shen, K., Chang, C.  
2022; 119 (45): e2210053119
- **Endocytosis in the axon initial segment maintains neuronal polarity.** *Nature*  
Eichel, K., Uenaka, T., Belapurkar, V., Lu, R., Cheng, S., Pak, J. S., Taylor, C. A., Sudhof, T. C., Malenka, R., Wernig, M., Ozkan, E., Perrais, D., Shen, et al  
2022
- **The function of the axon initial segment in neuronal polarity.** *Developmental biology*  
Eichel, K., Shen, K.  
2022
- **Catalytic activation of beta-arrestin by GPCRs** *NATURE*  
Eichel, K., Jullie, D., Barsi-Rhyne, B., Latorraca, N. R., Masureel, M., Sibarita, J., Dror, R. O., von Zastrow, M.  
2018; 557 (7705): 381+
- **Phosphorylated EGFR Dimers Are Not Sufficient to Activate Ras.** *Cell reports*  
Liang, S. I., van Lengerich, B., Eichel, K., Cha, M., Patterson, D. M., Yoon, T. Y., von Zastrow, M., Jura, N., Gartner, Z. J.  
2018; 22 (10): 2593-2600
- **Subcellular Organization of GPCR Signaling.** *Trends in pharmacological sciences*  
Eichel, K., von Zastrow, M.  
2018; 39 (2): 200-208
- **Genetic evidence that  $\beta$ -arrestins are dispensable for the initiation of  $\beta$ 2-adrenergic receptor signaling to ERK.** *Science signaling*  
O'Hayre, M., Eichel, K., Avino, S., Zhao, X., Steffen, D. J., Feng, X., Kawakami, K., Aoki, J., Messer, K., Sunahara, R., Inoue, A., von Zastrow, M., Gutkind, et al

2017; 10 (484)

- **An Approach to Spatiotemporally Resolve Protein Interaction Networks in Living Cells** *CELL*  
Lobingier, B. T., Huttenhain, R., Eichel, K., Miller, K. B., Ting, A. Y., von Zastrow, M., Krogan, N. J.  
2017; 169 (2): 350-360
- **beta-Arrestin drives MAP kinase signalling from clathrin-coated structures after GPCR dissociation** *NATURE CELL BIOLOGY*  
Eichel, K., Jullie, D., von Zastrow, M.  
2016; 18 (3): 303-?
- **Functional Conservation of Cis-Regulatory Elements of Heat-Shock Genes over Long Evolutionary Distances** *PLOS ONE*  
He, Z., Eichel, K., Ruvinsky, I.  
2011; 6 (7)