

Stanford

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Bio

PROFESSIONAL EDUCATION

- Bachelor of Science, Hong Kong University Of Science & Technology (2010)
- Doctor of Philosophy, University of Iowa (2015)

Publications

PUBLICATIONS

- **Activity Shapes Neural Circuit Form and Function: A Historical Perspective.** *The Journal of neuroscience : the official journal of the Society for Neuroscience*
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- **Genetic and genomic alterations differentially dictate low-grade glioma growth through cancer stem cell-specific chemokine recruitment of T cells and microglia.** *Neuro-oncology*
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- **Variability of Betweenness Centrality and Its Effect on Identifying Essential Genes.** *Bulletin of mathematical biology*
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- **Graph complexity analysis identifies an ETV5 tumor-specific network in human and murine low-grade glioma.** *PloS one*
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- **Increased Tissue Stiffness in Tumors from Mice with Neurofibromatosis-1 Optic Glioma.** *Biophysical journal*
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- **Whole tumor RNA-sequencing and deconvolution reveal a clinically-prognostic PTEN/PI3K-regulated glioma transcriptional signature.** *Oncotarget*
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- **The cell of origin dictates the temporal course of neurofibromatosis-1 (Nf1) low-grade glioma formation.** *Oncotarget*
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- **The power of the few.** *Genes & development*
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- **Ccl5 establishes an autocrine high-grade glioma growth regulatory circuit critical for mesenchymal glioblastoma survival.** *Oncotarget*
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- **Challenges in Drug Discovery for Neurofibromatosis Type 1-Associated Low-Grade Glioma.** *Frontiers in oncology*
Ricker, C. A., Pan, Y., Gutmann, D. H., Keller, C.
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- **A di-arginine ER retention signal regulates trafficking of HCN1 channels from the early secretory pathway to the plasma membrane.** *Cellular and molecular life sciences : CMLS*
Pan, Y., Laird, J. G., Yamaguchi, D. M., Baker, S. A.
2015; 72 (4): 833–43
- **Identification of a VxP Targeting Signal in the Flagellar Na⁺/K⁺ -ATPase.** *Traffic (Copenhagen, Denmark)*
Laird, J. G., Pan, Y., Modestou, M., Yamaguchi, D. M., Song, H., Sokolov, M., Baker, S. A.
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- **An N-Terminal ER Export Signal Facilitates the Plasma Membrane Targeting of HCN1 Channels in Photoreceptors.** *Investigative ophthalmology & visual science*
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- **TRIP8b is required for maximal expression of HCN1 in the mouse retina.** *PloS one*
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