

# Stanford

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## Maia Kinnebrew

Postdoctoral Scholar, Biochemistry

### Bio

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#### STANFORD ADVISORS

- Rajat Rohatgi, Postdoctoral Faculty Sponsor

### Publications

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#### PUBLICATIONS

- **A cholesterol-binding bacterial toxin provides a strategy for identifying a specific Scap inhibitor that blocks lipid synthesis in animal cells.** *Proceedings of the National Academy of Sciences of the United States of America*  
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- **Patched 1 regulates Smoothened by controlling sterol binding to its extracellular cysteine-rich domain.** *Science advances*  
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- **Measuring and Manipulating Membrane Cholesterol for the Study of Hedgehog Signaling.** *Methods in molecular biology (Clifton, N.J.)*  
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- **Human-chimpanzee fused cells reveal cis-regulatory divergence underlying skeletal evolution.** *Nature genetics*  
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- **Structures of vertebrate Patched and Smoothened reveal intimate links between cholesterol and Hedgehog signalling.** *Current opinion in structural biology*  
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- **Cholesterol accessibility at the ciliary membrane controls Hedgehog signaling.** *eLife*  
Kinnebrew, M. n., Iverson, E. J., Patel, B. B., Pusapati, G. V., Kong, J. H., Johnson, K. A., Luchetti, G. n., Eckert, K. M., McDonald, J. G., Covey, D. F., Siebold, C. n., Radhakrishnan, A. n., Rohatgi, et al  
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• **The morphogen Sonic hedgehog inhibits its receptor Patched by a pincer grasp mechanism.** *Nature chemical biology*

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• **CRISPR Screens Uncover Genes that Regulate Target Cell Sensitivity to the Morphogen Sonic Hedgehog.** *Developmental cell*

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