



DEVELOPMENTAL BIOLOGY PROGRAM

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# The Jennifer Zallen Lab

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## Research

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Jennifer A. Zallen, PhD

Member, Developmental Biology Program, SKI; Investigator, Howard Hughes Medical Institute

Professor

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Our lab focuses on the generation of tissue structure through the collective action of cell populations.

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# Publications Highlights

[Brooks ER, Moorman AR, Bhattacharya B, Prudhomme IS, Land M, Alcorn HL, Sharma R, Pe'er D, Zallen JA. A single-cell atlas of spatial and temporal gene expression in the mouse cranial neural plate. bioRxiv. 2024. Dec 12:2024.08.25.609458 .](#)

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[Gredler ML, Zallen JA. Multicellular rosettes link mesenchymal-epithelial transition to radial intercalation in the mouse axial mesoderm. Dev Cell. 2023; 58\(11\):933-50.e5.](#)

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[Tamada M, Shi J, Bourdot KS, Supriyatno S, Palmquist KH, Gutierrez-Ruiz OL, Zallen JA. Toll receptors remodel epithelia by directing planar-polarized Src and PI3K activity. Developmental Cell. 2021; S1534-5807\(21\)00321-X.](#)

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[Yu HH, Zallen JA. Abl and Canoe/Afadin mediate mechanotransduction at tricellular junctions. Science. 2020; 370\(6520\).](#)

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[Brooks ER, Islam MT, Anderson KV, Zallen JA. Sonic hedgehog signaling directs patterned cell remodeling during cranial neural tube closure. Elife. 2020;9:e60234.](#)

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# People



## Jennifer A. Zallen, PhD

*Member, Developmental Biology Program, SKI; Investigator, Howard Hughes Medical Institute*

*Professor*

- The Zallen laboratory focuses on the generation of tissue structure through the collective action of cell populations.
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Research Technician



Kazi Hossain  
Research Technician



Claire Looney  
Research Technician I



Meriel McGovern  
Research Technician



Lila Neahring  
Postdoctoral Research Fellow

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## Disclosures

Members of the MSK Community often work with pharmaceutical, device, biotechnology, and life sciences companies, and other organizations outside of MSK, to find safe and effective cancer treatments, to improve patient care, and to educate the health care community. These activities outside of MSK further our mission, provide productive collaborations, and promote the practical application of scientific discoveries.

MSK requires doctors, faculty members, and leaders to report

(“disclose”) the relationships and financial interests they have with external entities. As a commitment to transparency with our community, we make that information available to the public. Not all disclosed interests and relationships present conflicts of interest. MSK reviews all disclosed interests and relationships to assess whether a conflict of interest exists and whether formal COI management is needed.

Jennifer A. Zallen discloses the following relationships and financial interests:

*No disclosures meeting criteria for time period*

The information published here is a complement to other publicly reported data and is for a specific annual disclosure period. There may be differences between information on this and other public

sites as a result of different reporting periods and/or the various ways relationships and financial interests are categorized by organizations that publish such data.

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This page and data include information for a specific MSK annual disclosure period (January 1, 2024 through disclosure submission in spring 2025). This data reflects interests that may or may not still exist. This data is updated annually.

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