

Research Highlights & News

Stem Cell Research Center, Fall 2026

Thompson-Peer Lab

Publications

1. Optimizing CRISPR/Cas9 Mutagenesis in Drosophila Dendritic Arborization Neurons to Avoid Cytotoxicity

G3 | Genes Genomes Genetics

Sep 3, 2026 · doi: 10.1093/g3journal/jkag211

<https://doi.org/10.1093/g3journal/jkag211>

2. Epidermal and ECM Damage Following Pinch Injury Restricts Dendrite Regeneration in Drosophila

eNeuro

Sep 16, 2026 · doi: 10.1523/ENEURO.0058-26.2026

<https://doi.org/10.1523/ENEURO.0058-26.2026>

3. Late Endosome Trafficking is Slower in Regenerated Dendrites

Developmental Neuroscience

2026 — In Press · doi: 10.1159/dne/aclag007

<https://doi.org/10.1159/dne/aclag007>

Ardona Lab

Publications

1. Spatially Resolved Photostimulation of Cardiac Activity Using Optoelectronic Peptides

ACS Central Science

Features the CIRM SRL-funded bioprinting core. CIRM predoctoral trainee Natalie Celt is a co-author.

<https://pubs.acs.org/doi/10.1021/acscentsci.6c00713>

2. Single-Walled Carbon Nanotubes as Near-Infrared Fluorescent Multiplexed Optical Reporters for Trigger-Induced π -Conjugated Peptide Self-Assembly

ACS Applied Materials & Interfaces

<https://pubs.acs.org/doi/10.1021/acsami.6c14027>

Watanabe Lab

Publication

Recent Publication from the Watanabe Lab

ScienceDirect

<https://www.sciencedirect.com/science/article/pii/S1934590926002742>

Scholar Award

Bella Fleming Named ARCS Foundation Scholar

Congratulations to Bella Fleming, PhD student in the Watanabe Lab, on being selected as an ARCS Foundation Scholar — a prestigious national award recognizing outstanding U.S. scientists and researchers.

<https://grad.uci.edu/fellowships/arcs-scholar-awards-i/>

<https://orange-county.arcsfoundation.org/>