

# Sam Desmond Schulman

Curriculum Vitae · PhD Student in Integrative Biology, LSU New Orleans

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## Education

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| <b>PhD, Integrative Biology</b><br>LSU New Orleans (formerly the University of New Orleans) · Advisor: Dr. Cheng Shi | 2024–present |
| <b>B.S., Molecular Biology</b><br>University of New Orleans                                                          | 2024         |

## Research Positions

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| <b>Graduate Research Assistant</b><br>Shi Lab, Department of Biological Sciences, LSU New Orleans | 2025–present |
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## Honors and Selections

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| <b>AGE VOYAGER Training Award</b><br>American Aging Association                                                                                                 |      |
| <b>Selected participant, Introduction to Metabolomics Analysis</b><br>EMBL-EBI, Wellcome Genome Campus, Hinxton, UK · one of 30 participants selected worldwide | 2026 |

## Training

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| <b>Introduction to Metabolomics Analysis</b><br>EMBL-EBI, Hinxton, UK | Apr–May 2026 |
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## Presentations

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| <b>Poster: <i>icl-1</i> and trehalose in acute stress survival in <i>C. elegans</i></b><br>Introduction to Metabolomics Analysis, EMBL-EBI, Hinxton, UK | 2026 |
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## Teaching and Mentoring

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| <b>Teaching Assistant, Cellular and Molecular Biology</b><br>University of New Orleans |              |
| <b>Mentor to undergraduate researchers</b><br>Shi Lab, LSU New Orleans                 | 2025–present |

## Technical Skills

- *C. elegans* husbandry, lifespan and healthspan assays, acute heat and cold stress assays
- Oil Red O staining; microscopy on the Olympus IX85 with cellSens
- Image analysis: CellProfiler, ImageJ/Fiji
- Data analysis: Python, GraphPad Prism
- Untargeted metabolomics; single-cell RNA-seq analysis

## Memberships

- American Aging Association