

Mikayla Eppert

UT Southwestern
PhD, Biomedical Science

The University of Iowa
BA, Biochemistry & Spanish

PROFESSIONAL EXPERIENCE

Postdoctoral Researcher

UT Southwestern | 11/25–06/26

- Led manuscript revisions for a first author paper at *Molecular Cell* independently after my PhD defense, responding to reviewer critiques and designing and running follow up experiments to address them.
- Served as the lab's resource for confocal microscopy and flow cytometry, training in image and flow analysis and troubleshooting these techniques for other lab members.

Doctoral Researcher

UT Southwestern | 08/21–10/25

- Led two first-author research projects (*Molecular Cell*, *Science Advances*) from concept to publication, coordinating biostatisticians, external collaborators, core facility staff, and lab members through internal and journal peer review
- Upheld methodological rigor and quality standards across experimental studies, from protocol design through data validation, ensuring reproducible results at every project phase
- Designed and executed original research studies, synthesizing large volumes of data and literature into findings published in top-tier journals and presented at national and international conferences through posters and talks
- Secured NIH F31 fellowship funding, ranking in the top 5th percentile nationally on first submission

Science Writer

Society for Dev. Biology | 09/25–05/26

- Tracked trends in primary scientific literature, translating technical materials into audience-centered content
- Owned full editorial lifecycle of 4 articles, independently managing research and writing under strict deadlines
- Conducted interviews with experts, and collaborated in editorial feedback cycles to meet publication standards

Market Research Consultant

Hatched Genetics | 05/25–08/25

- Conducted competitive and regulatory analysis on the global egg-laying chicken market for an early-stage agricultural biotech client, delivering an executive summary and organized data sets directly to the CEO
- Leveraged research tools, including PitchBook, to identify competitors, market trends, and regulatory precedents, building a comprehensive evidence base for client recommendations

Associate Editor

JSPG | 12/23–12/25

- Synthesized findings across 10+ policy manuscripts spanning health, climate, agriculture, and technology, extracting strategic takeaways for decision-maker audiences
- Provided critical feedback to improve policy analyses for clarity, coherence, and logical flow, sharpening how evidence was communicated to public and decision-maker audiences

Note: *Society for Dev. Biology*, *Hatched Genetics*, & *JSPG* roles were completed part-time, concurrent to the UTSW roles to diversify my skillset during PhD experience.

SELECTED BIOMEDICAL RESEARCH

- Led research demonstrating that condensates enhance gene activation by increasing the frequency and intensity of transcription; manuscript under revision at *Molecular Cell*
- Contributed to research identifying RNA Pol II partitioning as a shared mechanism across cancer-driving oncofusion condensates in kidney cancer; published in *Cell*
- Co-led research showing coactivator condensate formation drives cell fate decisions during cardiovascular development; published in *Science Advances*

Research Domains Competencies

Molecular Biology • Genomics (RNA/ ChIP / ATAC / MicroC) • Cancer •
Data synthesis • Competitive intelligence • Science translation • Stakeholder
communication • Project ownership • Cross-functional teamwork • Flow cytometry
GraphPad • EndNote • PubMed • NIH Reporter • GitHub • Adobe Creative Cloud
Manuscripts • Grant Proposals • Editorial/SciComm Articles • Executive Summaries

Research Tools Deliverables

LinkedIn: [/mikaylaeppert](https://www.linkedin.com/in/mikaylaeppert)

Dallas, TX