

Presentations, Writing, and Publishing

Printing your poster at UT-Austin

- [Poster Printing](#) (Harris Lab specific; restricted access)
 - [UT Brand Guidelines](#) - UT logo, color pallet, etc.
 - For the UT logo, go to "Identity". Then under "Logos", **read and follow the usage guidelines carefully**. Click "Download Assets". This will open a shared UT Box folder. "1_Primary.zip" or "5_Informal_Horizontal.zip" will fit the best for your poster. Use a PNG (for PowerPoint or Photoshop) or EPS (for Illustrator) file in RGB.
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Presentations

- [Designing effective scientific presentations](#) (Susan McConnell, Stanford Univ.)
- [Ten Simple Rules for a Good Poster Presentation](#)

Conference presentation opportunities for undergraduates

- Within UT-Austin
 - CNS Undergraduate Research Forum: <https://cns.utexas.edu/info-undergraduate-students/events-recognition/undergraduate-research-forum>
 - Capital of Texas Undergraduate Research Conference (CTURC): <https://senateofcollegecouncils.utexas.edu/cturc>
 - Outside UT-Austin
 - Gulf Coast Undergraduate Research Symposium: <https://gcurs.rice.edu/>
 - LSU Discover Day: <https://www.lsu.edu/discover/events/index.php>
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Writing papers

Writing

- [Writing Strategies](#)
- Strunk W. [The Elements of Style](#). (New York: bartleby.com, 1999)
- [Preparing a Manuscript for Submission to a Biomedical Journal](#) (ICMJE)
- [So you're writing a paper](#) (*Nature Methods* **14**, 1115 (2017))
- [How to Write an Accurate, Concise, and Meaningful Significance Statement](#) (Society for Neuroscience)
- [Living Science: Love Writing](#) (*eLife* **8**, e45734 (2021))
- Heard SB. [The Scientist's Guide to Writing](#) (Princeton University Press)
- Check your manuscript for plagiarism with [iThenticate](#) (UT EID required)
- Select key words using the US National Library of Medicine's Medical Subject Headings (MeSH) browser list at www.nlm.nih.gov/mesh.

Figures and videos

Image manipulation

- [What's in a picture? The temptation of image manipulation](#) (*J Cell Biol* **166**, 11 (2004))
 - [Potential fabrication in research images threatens key theory of Alzheimer's disease](#)

Data Visualization

- [SuperPlots: Communicating reproducibility and variability in cell biology](#) (*J Cell Biol* **219**, e202001064 (2020))
- [Violin SuperPlots: visualizing replicate heterogeneity in large data sets](#) (*Mol Biol Cell* **32**, 1333-4 (2021))
- [SuperPlotsOfData—a web app](#) (*Mol Biol Cell* **32**, 470-4 (2021))
- [Raincloud plots: a multi-platform tool for robust data visualization](#) (Wellcome Open Res **4**, 63 (2021))

Accessibility

- [Making graphics accessible to those with color vision deficiencies](#) (*Nature Methods* **8**, 441 (2011))
 - [Color Universal Design \(CUD\) - How to make figures and presentations that are friendly to Colorblind people -](#)
 - Refer to the Figure 16 – When generating an image in Reconstruct, use RGB values (0-255).
 - If you are using Adobe Illustrator or Photoshop: View Proof Setup Color blindness to set up color proof. Then View Proof Color to turn it on/ff.

How to Make Figure Plates

- [A basic workflow for putting together a figure](#)
- [Reconstruct Color Scheme](#)
- [Adobe Illustrator for Scientists](#) [YouTube]

Reporting requirements

- [The ARRIVE Guidelines for Reporting Animal Research](#)
- [RRID](#): for unique, persistent identification and tracking of key biological resources (e.g., antibody, software, etc.)
- [Reporting and reproducibility in microscopy](#) (Nature Methods)
 - [A guide to accurate reporting in digital image acquisition – can anyone replicate your microscopy data?](#) (*J Cell Sci* **134**, jcs254144 (2021))
 - [A guide to accurate reporting in digital image processing – can anyone reproduce your quantitative analysis?](#) (*J Cell Sci* **134**, jcs2541 (2021))

Data availability

- [Sharing Data through 3DEM.org](#) (Harris Lab specific; restricted)

Submitting

- [Comparing documents](#)
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Writing grants

- [Grant-writing blog](#) by Parker Derrington Ltd

Reviewing papers

- [Tricks of the Trade: How to Peer Review a Manuscript](#) (Society for Neuroscience)
- [Step-by-step guide to reviewing a manuscript](#) (John Wiley & Sons, Inc.)
- [Rookie review](#)
- [Reviewer Mentoring Program](#) (Society for Neuroscience)

Food for thought

- ["Why Is It so Hard to Do Good Science?"](#) by Ray Dingleline
- ["What Is the Question?"](#) by Leek and Peng
- ["On Fallacies in Neuroscience"](#) by Christophe Bernard
- [Promoting Awareness and Knowledge to Enhance Scientific Rigor in Neuroscience](#) (Society for Neuroscience)
- [Considerations and recommendations for experimental designs](#) by Journal of Neuroscience
- [Consideration of Sample Size in Neuroscience Studies](#) by Journal of Neuroscience