melody
MEDICAL MEDIA

Melody Zhang
Medical Media

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Skills

Software

2D
- Photoshop
- Illustrator
- Aftereffects
- Procreate
- Indesign
- Figma

3D
- Cinema4D
- ZBrush
- Pymol / ePMV
- Horos
- 3D Slicer
- Substance Painter

Traditional Media

Graphite · Pen & Ink
Watercolor · Oil

Interactive Media

Figma · Unity

Awards

2025 AMI Student Salon Award of Merit:
Biological/Molecular Media
Butterworts: Stealthy Carnivorous Plants

2024-2026 Johns Hopkins SOM
- Ranice W. Crosby Scholarship
- William P. Didusch Scholarship
- W.B. Saunders Scholarship
- Johns Hopkins SOM Tuition Grant

University of California Los Angeles
- 2022 cum laude
- 2018-2022 Deans List
- 2022 2nd Place Science is Art UCLA

Presentations/Exhibitions

2025 Surgical Illustration Presentation
Presented a series of surgical sketches in front of a surgical and lay audience, collaborating with three Johns Hopkins surgeons

2026 In Vivo Exhibition
Exhibition of 3 pieces: "Ethmoidal Dural Arteriovenous Fistula", "Why do we dream", "What's a Heart Murmur?"

Education

2024–2026 Johns Hopkins University School of Medicine
Candidate for MA in Medical and Biological Illustration

2018–2022 University of California Los Angeles (UCLA)
BS in Biology, minor in Mathematical Biology

Experience

2024–2025 **BIOMEDICAL ILLUSTRATION**
Johns Hopkins Department of Art as Applied to Medicine

Department of Functional Anatomy and Evolution, Johns Hopkins SOM
Illustrated a poster of laryngeal muscles for first year medical students

Department of Neurosurgery, Johns Hopkins SOM
Illustrated a novel condition requiring surgical treatment, the Ethmoidal Dural Arteriovenous fistula, for surgical audiences

National Aquarium
Designed detailed illustrations of five reptile species within their native Australian habitats as an educational display for aquarium visitors

Department of Molecular Biology and Genetics
Used 3D models and Pymol to illustrate a synaptic scene depicting the binding mechanisms of the GluA2 receptor for researchers

2025 **MEDICAL ANIMATION**
Johns Hopkins Center for Bioengineering Innovation & Design

Produced a 2D animation exploring a potential bioengineering solution for Peripheral Artery Disease, aimed at educating stakeholders.

2023–2025 **DESIGN LEAD**
ILLUSTRATION/GRAPHIC DESIGN CONTRACTOR
Oxford Nanoimaging Institute

Created and directed scientific graphics, animations, and illustrations for marketing and informational purposes. Used Adobe Illustrator, Photoshop, and Indesign to market and explain the functions of super resolution microscopy technology.

2022 **NEUROIMAGING VISUALIZATION ASSISTANT**
Tward Lab- University of California, Los Angeles

Used visualization softwares (3D Slicer, Paraview, Blender, itk-SNAP) to create visualizations of brain structures using patient MRIs

Publications

2025 Wang, Y. et al. (2025). Molecular subtypes of hepatocellular carcinoma linked to liver cell lineages and clinical outcomes of combination immunotherapy, Submitted to Cell Reports Medicine

2023 Oxford Nanoimaging (ONI). Every Molecule Counts, Oxford, 2023

2022 Berkley, I., & Zhang, M. (2022). Sidenote: Everything nobody told you about college applications

2022 UCLA Undergraduate Science Journal 2022, vol. 35, Spring 2022

2018 Yang, H., Zhang, M., Mao, X. Y., Chang, H., Perez-Losada, J., & Mao, J. H. (2021). Distinct Clinical Impact and Biological Function of Angiopoietin and Angiopoietin-like Proteins in Human Breast Cancer