



Sarrah Hussain

Contact

mbiportfolio.com/sarrahussain

84hussains@gmail.com

Instagram: @sarrahdraws

Skills

Adobe Photoshop
Adobe Illustrator
Adobe After Effects
Adobe InDesign

Maxon Cinema4D
Maxon ZBrush
Maxon Red Giant
PyMol, EPMV
Wordpress
UNITY

Pen & Ink, Graphite
Watercolor, Oil

Associations

Association of Medical Illustrators - *student member*

Saifee Burhani Medical Association - *student member*

Awards & Exhibitions

Andrew W. Mellon Foundation Humanities Lab Research Grant [\$10,000] - 2020

W. B. Saunders Scholarship- 2022-2024

William P. Didusch Scholarship - 2022-2024

Senior Thesis Exhibition - *Lehigh University, March-May 2021*

“Portraits of the Brain: Visualizing Behavior” - *Lehigh University, May-August 2020*

Education

Johns Hopkins University School of Medicine (SOM) - Baltimore, MD

- M.A., Medical and Biological Illustration, Aug 2022 - present
 - **Thesis:** *Using 3D Multimedia to Visualize a Novel Potential Therapeutic Target for Parkinson's Disease*

Lehigh University - Bethlehem, PA

- M.S., Business Management, President's Scholar, 2021-2022
- B.A., Behavioral Neuroscience, Dean's List, High Honors, 2017-2021
- B.A., Fine Art, Dean's List, High Honors, 2017-2021

Project Experience

Medical Animator - Baltimore, MD, 2023

Center for Bioengineering Innovation & Design, Johns Hopkins University

- Visualizing a novel solution to treat severe obstructive sleep apnea

Biological Illustrator - Baltimore, MD, 2023

National Aquarium

- Illustrated morphology and behavior of *Gobiesox strumosus*

Medical Illustrator - Baltimore, MD, 2023

Dept. of Otolaryngology, Head and Neck Surgery, Johns Hopkins SOM

- Illustrated anatomy of a Level II-IV Radical Neck Dissection, for Johns Hopkins surgical residents

Dept. of Interventional Neuroradiology, Johns Hopkins SOM

- Visualized occurrence and behavior of a novel form of spinal osteo-epidural arteriovenous fistula, for research publication

Professional Experience

Medical Illustrator - Padua, Italy, 2021

Piccin Medical Publishing Company

- Created illustrations of digestive tract, oral cavity, pancreatic duct, arterial system, and mesenteric venous system for poster print

Scientific Illustrator & Research Author - Bethlehem, PA, 2019-2021

The Babcock Lab for Neurogenetics, Lehigh University

- Discovered a new gene in *D. melanogaster* whose loss-of-function mutation causes degeneration of the neuromuscular junction (NMJ)

Publications

- “Genome-Wide Analysis Reveals Novel Regulators of Synaptic Maintenance in *Drosophila*” - *Genetics*, April 2023 (Author and Illustrator)

- “Mayday sustains trans-synaptic BMP signaling required for synaptic maintenance with age” - *eLife*, March 2021 (Author and Illustrator)

- “Scholarly Bridges: SciComm Skill-Building with Student-Created Open Educational Resources” - *Milne Library SUNY Geneseo*, 2020 (Illustrator)