

ODELIA CHENG

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EDUCATION

University of Illinois, Chicago, IL May 2023
Master of Science in Biomedical Visualization

Carnegie Mellon University, Pittsburgh, PA May 2019
Bachelor of Science and Arts in Biological Sciences and Art

WORK EXPERIENCE

Medical Illustrator Aug 2023-Present
Body Scientific International

- Create scientifically accurate medical illustrations, completing over 50 figures
- Digital archiving of finished projects and create metadata for digital assets

Teaching Assistant Jan 2022-May 2023
Biological Sciences Department, University of Illinois Chicago

- Assisted students in learning and understanding the material through in-person and remote correspondences, including teaching and preparing lecture material following lab manual content

Research Technician in the Busczak Lab Sept 2019-May 2021
Molecular Biology Department, UT Southwestern Medical Center

- Created illustrations, figures, and diagrams for use in lab publications using Adobe Illustrator and Photoshop
- Developed platform for in vitro gametogenesis using human iPSC via PGCLC induction

Scientific Illustration Intern May 2018-Aug 2018
Carnegie Museum of Natural History, Pittsburgh, PA

- Created digital line illustrations of specimens and photographed vertebrate fossils in collaboration with paleontologists

Undergraduate Researcher in the McCartney Lab Jan 2017-May 2019
Biological Sciences Department, Carnegie Mellon University

- Established *Drosophila melanogaster* as ideal models for sTBI (severe traumatic brain injury) and analyzed the role of microbiota in sTBI and heat shock (chronic and acute) through 24-hour mortality, negative geotaxis, and locomotion assays
- Isolated, identified, and compared microbiomes between wild type and laboratory raised flies

SKILLS

Software

Adobe Creative Suite

- Photoshop, Illustrator, After Effects, Premiere, Audition, InDesign

3D Programs

- Maya, 3DS Max, Pixologic ZBrush, Blender, Cinema4D, Rhino

Bio/Chem

- VMD, Motic Images, Image J, HCLImage

Language

- HTML, CSS, C#, Python, Chinese (Mandarin)

Team Management

- Figma, Mirro, Notion, Slack, Microsoft Teams, Google Drive, Box

ACTIVITIES

Professional Member, Association of Medical Illustrators

Jan 2024-Present

Secretary, Student Association of Medical Artists

University of Illinois Chicago

Aug 2022-May 2023

Storyboarder, Vesalius Trust-a-thon Challenge

University of Illinois Chicago

Sep 2022

Art Asset & Interaction Designer, Health Tech Jam

University of Illinois Chicago

Feb 2022

Lead Designer and Painter of Children's Hall Mural

Frisco Community Bible Church

Jan-Aug 2021

Oral Research Presentation (BXA Capstone: Let's Vaccinate!), Meeting of the Minds

Carnegie Mellon University

May 2019

Undergraduate Research Poster Presentations, Meeting of the Minds

Carnegie Mellon University

May 2019, May 2018

Bounce! (Senior Art Exhibition)

Miller Gallery, Carnegie Mellon University

May 2019

Disequilibrium (Solo Art Exhibition)

Ellis Gallery, Carnegie Mellon University

April 2019

Open Studios Exhibitions

College of Fine Arts, Carnegie Mellon University

Dec 2018, Dec 2017

Kaleidoscope Show Intern

BXA Intercollege Degree Programs, Carnegie Mellon University

March-April 2018

Oral Presentation (Fusing Art and Biology in my Personal Practice), B*A Lecture Series

Carnegie Mellon University

April 2017

PUBLICATIONS

Cover Illustration for:

The American Journal of Bioethics, March 2023, Volume 23, Number 3

Contributed to Illustrations in:

Mercer M, Jang S, Ni C, Buszczak M. (2021). The Dynamic Regulation of mRNA Translation and Ribosome Biogenesis During Germ Cell Development and Reproductive Aging. *Front Cell Dev Biol*. <https://doi.org/10.3389/fcell.2021.710186>

Ni C, Schmitz DA, Lee J, Pawłowski K, Wu J, Buszczak M. (2022). Labeling of heterochronic ribosomes reveals C1ORF109 and SPATA5 control a late step in human ribosome assembly. *Cell Rep.*, 38(13). <https://doi.org/10.1016/j.celrep.2022.110597>.

Lamanna, M. C., Casal, G. A., Martinez, R. D. F., Ibiricu, L. M. (2020). Megaraptorid (Theropoda: Tetanurae) partial skeletons from the Upper Cretaceous Bajo Barreal Formation of Central Patagonia, Argentina: Implications for the evolution of large body size in Gondwanan Megaraptorans. *Annals of Carnegie Museum*, 86(3), 255-294. <https://doi.org/10.2992/007.086.0302>

AWARDS

Chancellor's Student Service Award

April 2023

Mellon College of Science, BXA Intercollege, & University Honors

May 2019

Senior Leadership Recognition

May 2019

BXA Small Grant and Capstone Grant

Spring 2018 & 2019

BSA Student Speaker at BXA Diploma Ceremony

May 2019

Summer Internship Experience Fund

May 2018