



Shawna R Snyder

BIOMEDICAL ILLUSTRATOR ANIMATOR

EDUCATION

2016-18 **M.A. Medical & Biological Illustration**
Johns Hopkins University School of Medicine (JHU SOM), Department of Art as Applied to Medicine, Baltimore, MD

*Thesis: Stem Cell Orchestra:
Interactive Didactic Animation for
Cardiac Tissue Engineering*

2011-15 **B.A. Biological/Pre-Medical Illustration**
Iowa State University (ISU) College of Liberal Arts and Sciences, Ames, IA
GPA 3.64 *cum laude*

ASSOCIATIONS

2016-present **Association of Medical Illustrators (AMI)**
Professional Member, Student Member

2018-present **Artists Rights Society (ARS)**
Professional Member

2017-18 **JHU Graduate Student Association (GSA)**
Graduate Program Representative

2012-15 **ISU Biological /Pre-Medical Illustration Club**
Student Member, Figure Drawing Coordinator, Club Treasurer

PROFICIENCIES

Traditional Art

Graphite, Carbon Dust,
Pen & Ink, Watercolor

Adobe CC Suite

Photoshop, Illustrator,
After Effects, InDesign,
Animate, Bridge, Audition

Maxon Cinema 4D

Autodesk 3Ds Max

Pixologic ZBrush

Horos/Osiris

Digital2Print

PyMOL

Sciences

Human Anatomy
Human Physiology
Molecular Biology
Cellular Biology
Organic Chemistry
Plant Systematics
Ornithology
Entomology

VOLUNTEER & LEADERSHIP

2018 - Present **Vesalius Trust Scholarship Judge**
Critiqued and scored student scholarship applications

2018 **GSA Mural Painting Coordinator**
Oversaw design and production of mural for Conkling Street Garden in Baltimore, MD

2015-16 **Insect Expedition**
Assisted PhD student hunt and collect insects for research in the U.S. Pacific Northwest and Patagonia, Chile

EXPERIENCE

2018 - Present **Medical Animator** Rendia Inc., Baltimore, MD
Digitally painted and animated 3D and 2D art assets to tell story-driven patient education animations on ENT and ophthalmological conditions and treatments

Freelance Medical Illustrator

XVIVO - Storyboarded mechanism of action (MOA) molecular animation

2018 **Project Manager & Biomedical Animator**

Grayson Lab of Tissue Engineering, JHU SOM, Baltimore, MD
Animated a 3-minute 3D cellular animation on engineering a triculture cardiac patch. Animation was used to integrate interactive elements into a website

2017 **Medical Illustrator** Broadway Center for Addiction, Baltimore, MD
Designed a opioid rehabilitation app of gamified addiction recovery methods

Medical Sculptor Johns Hopkins Simulation Center, Baltimore, MD
Segmented infant DICOM data using beta D2P software and sculpted infant heart massage trainer prototype in ZBrush

Biological Illustrator National Aquarium, Baltimore, MD
Informational poster charting ecological, geolocial, and climate impacts of sea turtle life cycle and migration.

Medical Animator

The Sol Goldman Pancreatic Cancer Research Center, Baltimore, MD
Digitally painted and animated PanIN lesion growth, development and spread in the pancreas for pathology residents.

Medical Illustrator Neuroradiology, JHU SOM, Baltimore, MD
Illustrated the 3rd ventricle of the brain and surrounding landmarks for medical student neuroanatomy lectures

2016 **Botanical Illustrator**

Howard Peters Rawlings Conservatory, Baltimore, MD
Painted two orchids in watercolor for Les Kirkegaard orchid collection

2015 **Entomological Illustrator**

Centro de Investigación en Ecosistemas de la Patagonia, Coyhaique, Chile
Created botanical and insect illustrations for public outreach events with park rangers at Queulat National Park in Patagonia, Chile

2014-15 **Junior Museum Curator & Illustrator**

ISU Insect Collection, Ames, IA
Illustrated *Diptera* habitus and preservation technique protocols

Entomological Illustrator Dr. Courtney and Dr. Curler, Ames, IA
Inked *Blephariceridae* wing venation and habitus of 65 million-year-old *Psychodidae* specimen preserved in amber

Undergraduate Research Assistant

BioMedical Sciences Lab, ISU, Ames, IA
Cell culture, gel electrophoresis and image for novel HIV vaccine

SCHOLARSHIPS & AWARDS

2018 **Award of Excellence** AMI Student Salon
Ahmed Glaucoma Drainage Valve: Concept for Trade show Booth Display

2018 **Vesalius Research Grant** Vesalius Trust
Stem Cell Orchestra: Didactic Interactive Animation for Building a Cardiac Patch

2017 **Orville Parks Best in Show** AMI Student Salon
Vasculature of the Uterus

2017 **Award of Excellence** AMI Student Salon
Vasculature of the Uterus

2016-17 **W.B. Saunders Company Scholarship** JHU SOM, 2016-17

2016-17 **William P. Didusch Scholarship** JHU SOM, 2016-17

2014-15 **Dorris M. Ehret Tendall Scholarship** ISU