

EDUCATION

Johns Hopkins University
School of Medicine,
Baltimore, MD
**M.A. in Medical and
Biological Illustration,**
*Thesis: Molecular Mechanism
of HIV Entry, 2014*

Smith College,
Northampton, MA
B.A. in Biological Sciences
with Highest Honors,
Studio Art minor,
magna cum laude, 2012

SKILLS

Animation & 3D

Storyboarding
Scripting
ZBrush
Cinema 4D
ePMV
Osirix
After Effects
UCSF Chimera

Illustration & Design

Photoshop
Illustrator
InDesign
Graphite pencil
Watercolor
Pen & ink

General

Project management
Telecollaboration
Presentation design
Research
Writing

Scientific Expertise

Anatomy
Histology
Physiology
Structural Biology
Cell Biology
Immunology

WORK EXPERIENCE

Principal, Illustrator and Animator, 2014 - present

Falconieri Visuals, North Bethesda, MD

Created engaging and effective visuals for broad range of clients using advanced animation, illustration, and design techniques.

Biomedical Illustrator, 2014 - present

Subramaniam Lab, National Institutes of Health, Bethesda, MD

Collaborated with researchers to create illustrations and animations of molecular and cellular subject matter for publication and outreach. Designed print and electronic materials for presentations and lab reviews.

Animator and Research Assistant, 2013 - 2014

Subramaniam Lab, National Institutes of Health, Bethesda, MD

Produced 3D animation about HIV entry . Collaborated with researchers to postulate and create model of HIV's envelope glycoprotein mechanism. Adapted complex molecular knowledge into format appropriate for lay audience.

2D Animator, 2013

Johns Hopkins Hospital, Baltimore, MD

Scripted, storyboarded, and produced *Celiac Plexus Block for Pancreatic Cancer Pain* animation for *The Johns Hopkins iCareBook for Pancreatic Cancer iPad App*.

Honors Thesis and Research, 2010 - 2012

Scordilis Lab, Smith College, Northampton, MA

Researched protein localization using immunofluorescent labelling, epifluorescent, and laser scanning confocal microscopy. Analyzed 3D models of cells and calculated protein colocalization. Optimized protocols and developed new techniques.

AWARDS & HONORS

2014 Alan Cole Scholarship, *The Vesalius Trust*

2013 Frank H. Netter, M.D. Memorial Scholarship in Medical Art, *Johns Hopkins University*

Ranice W. Crosby Scholarship, *Johns Hopkins University*

William P. Didusch Scholarship, *Johns Hopkins University*

Elinor Widmont Bodian Scholarship in Medical Art, *Johns Hopkins University*

The Third Dimension Juried Art Show, *3DCamp Houston*

2012 Drescher Award for Graduate Medical Research, *Johns Hopkins University*

Excellence in Leadership Award, *Smith College Residence Life*

2011 Phi Beta Kappa Honors Society, *Smith College*

PRESENTATIONS

2015 **Workshop: Advanced ePMV Techniques**

• July 22nd, Association of Medical Illustrators Conference, Cleveland, OH

The Cryo-Revolution: Cryo-EM's Impact on Structural Biology

• July 24th, Association of Medical Illustrators Conference, Cleveland, OH

Molecular Research Strategies

• May 1st, Johns Hopkins Art as Applied to Medicine, Baltimore, MD

2014 **The Molecular Mechanism of HIV Entry**

• April 26th Biocommunications Academic Meeting, Toronto, Ontario

• July 25th, Association of Medical Illustrators Conference, Rochester, MN

Making Sense of Molecular Databases: Using the PDB and EMDB

• May 19th, Johns Hopkins Art as Applied to Medicine, Baltimore, MD

2013 **From X to Z: Taking X-Ray CT Data from Osirix to ZBrush**

• July 20th, Association of Medical Illustrators Conference, Salt Lake City, UT

• August 1st, XVIVO Scientific Animation, Wethersfield, CT