



# A. Gabriela Rivera-Del Rio

Biomedical Illustrator / Animator • Science Communicator

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## Work Experience

### Medical Illustrator, Medtech Project Lead • Osso VR

Remote • 2022- 2025

- Led cross-functional team efforts to produce cutting-edge extended reality (XR) surgical training modules for healthcare providers and industry clients.
- Collaborated with global stakeholders to integrate adult learning principles, helping boost student outcomes 230% compared to traditional methods.
- Designed and developed a pharmaceutical training pilot that was leveraged for ~\$1.5M in new contracts with the client.
- Spearheaded the creation of a scalable new interaction and UI design framework that was adopted across multiple projects.
- Expanded market reach in early HCP training and aesthetic medicine while saving \$100K+ by optimizing and repurposing assets, graphics, and scripts.
- Streamlined development timelines by 20%, utilizing detailed UX storyboards that ensured efficient communication between remote teams.
- Managed fluid project schedules and challenging client communications, surpassing department goals by maintaining a 97% on-time delivery rate.

### Medical & Scientific Illustrator/Animator • Office for External Education, Harvard Medical School

Remote • Contract (2024-2025)

- Created vector-based 2D illustrations, animations, and graphics for use in Harvard's corporate and academic online medical education programs.

### Medical Animator • Center for Bioengineering Innovation & Design, Johns Hopkins University

Baltimore, MD • 2021

- Developed a vector-based 2D animation to showcase an innovative electro-chemotherapy catheter for pancreatic cancer treatment.
- Enhanced startup grant proposal visuals using Adobe Illustrator and AfterEffects, resulting in a winning pitch and \$5,000 in funding.

### Biological Illustrator • National Aquarium

Baltimore, MD • 2021

- Designed a triptych-style proposal poster illustrating the ecological history of the Baltimore Harbor, used to support environmental policy advocacy and a successful \$14M funding effort for the Harbor Wetland project.

### Scientific Illustrator • Center for Functional Anatomy & Evolution, Johns Hopkins University

Baltimore, MD • 2020-2022

- Contributed detailed neuroanatomical and morphological illustrations for the JHU School of Medicine, improving student outcomes in gross anatomy.
- Implemented fossil segmentation and retrodeformation techniques to create the first 3D reconstruction of a *Eunotosaurus africanus* skull.
- Designed an interactive web application using turtle evolution as a case study to teach evolutionary theory and phylogenetics.

## Summary

- Master's-trained biomedical communicator with 5 years experience in 2D/3D illustration, animation, UI/UX, and instructional design.
- Skilled in leading cross-functional teams and collaborative problem-solving to advance science education and communication.
- Strong track record of securing funding via high-impact visual storytelling.

## Education

### Master of Arts -

### Medical and Biological Illustration

Johns Hopkins University School of Medicine  
Baltimore, MD • 2022

### Bachelor of Science - Biology

### Bachelor of Arts - Interdisciplinary Studies

Florida International University  
Miami, FL • 2017

Minors in Art & English, *Cum Laude* (GPA: 3.699)

## Skills

### Software

- **Adobe Suite:** Photoshop, Illustrator, XD, After Effects, Premiere, InDesign, Audition
- **Microsoft Office Suite:** Word, Excel, Powerpoint, Outlook
- Unity
- Figma
- Maxon Cinema4D
- Pixologic ZBrush
- Autodesk Maya
- Blender
- Audacity
- Procreate
- Horos/Osiris
- PyMol, ePMV

### Technical

- Instructional Design & Learning Solutions
- UI/UX Design & User Research
- 2D & 3D Illustration & Animation
- Copywriting & Content Strategy
- Visual Communication
- Presentation Design



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## Research Compliance Specialist • *Office of the Vice Provost for Research, University of Miami*

Miami, FL • 2018-2020

- Reviewed human subject research grant proposals for Conflict of Interest policy compliance, analyzing study methods and goals.
- Scheduled, designed and conducted monthly policy seminars and presentations that improved faculty and staff compliance by 50%.
- Increased department output by 150% compared to previous years via process improvements like review tracking and chunking by investigator.
- Drafted copy documents and storyboards to streamline improvements in user-experience design for the department web site.

## Learning Assistant • *College of Arts, Sciences & Education, Florida International University*

Miami, FL • 2016-2017

- Facilitated group discussions for Vertebrate Zoology and Comparative Vertebrate Anatomy courses, utilizing collaborative learning theory to enhance student comprehension and engagement.
- Organized and led review sessions, collaborating on the creation of educational materials and visual aids to support classroom learning.
- Regularly evaluated and graded student assignments, providing constructive feedback to promote academic improvement.
- Participated in adult learning workshops focused on evidence-based educational theory to strengthen teaching effectiveness.

## Exhibitions & Presentations

Allergan Aesthetics 360 Signature, Virtuo • 2024

American Academy of Orthopedic Surgeons Annual Meeting • 2024

Johns Hopkins Functional Anatomy and Evolution Seminar Series • 2022

Art as Applied to Medicine Thesis Presentation • 2022

Art as Applied to Medicine Surgical Illustration Presentation • 2021

Association of Medical Illustrators Annual Salon • 2021-22

JHU BME Business Plan Competition: Plerion Medical, POET Catheter • 2021

UM OVPR Conflict of Interest Seminar Series (Monthly) • 2018

Emergent Frog-Killing Fungus and Climate Change: Is There a Link? • 2017

## Affiliations

Association of Medical Illustrators (AMI)  
Professional Member • 2022-Present

Association of Medical Illustrators (AMI)  
Student Member • 2021-22

Council on Graduate Education (COGE)  
Student Ambassador • 2021-22

Graduate Student Association (GSA) Program  
Representative • 2020-22

The Peer Collective (TPC)  
E-Board • 2021-22

Phi Delta Epsilon Pre-Medical Fraternity  
Member • 2015-17

## Honors

AMI Salon: Award of Merit • 2022

Vesalius Trust Research Grant • 2022

Ranice W. Crosby Scholarship • 2021-22

JHU Healthcare Design Competition • 2021

William P. Didusch Scholarship • 2020-22

W. B. Saunders Scholarship • 2020-22

School of Medicine Tuition Grant • 2020-22