

## PROJECT MANAGER — BIOMEDICAL VISUALIZATION

Project Manager with 20+ years of experience in biotech research and medical visualization, with hands-on expertise in delivering healthcare and pharmaceutical communication projects. Strong foundation in biomedical science, creative direction, cross-functional project management, and client engagement. Actively pursuing PMP® certification to further strengthen project leadership skills. Proven track record of aligning deliverables with strategic objectives across pharmaceutical, biotech, and healthcare settings.

## PROFESSIONAL EXPERIENCES

### Project Manager

Scientific Animations

Jan 2025 — Present | Remote

Leading cross-functional scientific communication projects from intake to delivery for biotech, pharmaceutical, and healthcare system clients, ensuring all deliverables met regulatory, creative, and timeline requirements.

- Delivered three full-cycle pharmaceutical animation projects in 7 months, earning outstanding client feedback while managing designers, animators, reviewers, and account teams. Including successfully completed a \$60K Mechanism of Disease animations project for a pharmaceutical client.
- Co-managing a \$100K animation project for a major healthcare system's neurosurgery division to promote their minimally invasive procedures through high-impact animations.
- Utilize AI tools such as ChatGPT and Midjourney to streamline workflows, including script writing, and rapid feedback cycles, cutting storyboarding time from two weeks to just one day.
- Managing projects across diverse therapeutic areas, translating complex scientific content into creative briefs.

### Scientific Animator & Business Development Associate

Smart Biology

June 2024 — Present | Remote

Managed the production and delivery of animated scientific content for academic clients.

- Created educational animations that are highly accurate and visually compelling.
- Led academic outreach and business development efforts—identifying new opportunities, cultivating institutional partnerships, and representing the company at networking events and on-site campus visits.

### Freelance Medical Illustrator & Creative Director

Jan 2014 — Present | Remote

Provided full-service medical communication consulting, including project planning, visual design, and scientific storytelling.

- Created visually compelling illustrations in collaboration with a design agency for re-branding of Inozyme Pharma's website and slide deck.
- Provided strategic guidance to the Chief Scientific Officer of NK Gen Biotech in creating illustrations for their website and marketing materials.
- Reviewed scientific materials, branding guidelines, and client goals to fully understand and execute the scientific story, target audience, and messaging for creative deliverables.

### Biomedical Communicator

Baylis Medical Technologies

June — Sept 2024 | Mississauga, ON

Managed marketing material development for new products, supporting physician and sales enablement.

- Collaborated with marketing and product teams to create digital content and campaign visuals.
- Contributed to project planning, scope discussions, and alignment of deliverables with business objectives.

### 3D Medical Artist

AXS Studio

May 2023 — Feb 2024 | Toronto, ON

Delivered creative concepts and animations for major biotech/pharma accounts, integrating art direction, brand strategy, and scientific storytelling.

- Contributed to team knowledge by delivering technical showcases on molecular modeling using Chimera. Which was utilized in new website marketing campaigns for Vertex.
- Supported account and project teams with content development, visual strategy, and timeline planning.

## Scientific Animator

The Animation Lab at the University of Utah

Oct 2018 — Apr 2023 | Salt Lake City, UT

Translated molecular biology research into compelling scientific animations featured in high-profile publications (e.g., Nature Reviews, FEBS Letters).

- Collaborated with faculty and lab researchers to storyboard, model, and animate complex biological mechanisms.
- Art-directed the eukaryotic ribosome animation displayed at the Natural History Museum of Utah, celebrating Nobel laureate Venki Ramakrishnan's work.
- Managed the full production cycle independently, from intake meetings to archive, while effectively communicating with scientific collaborators and providing mentorship to team members.

## Experiential Instructional Designer-Developer

Jump Simulation & Education Center

Sep 2016 — Oct 2018 | Peoria, IL

Designed immersive and interactive learning experiences to improve clinical decision-making and patient safety for healthcare professionals.

- Designed and created engaging instructional materials, including interactive eLearning, medical illustrations, and animations using Adobe After Effects and Captivate.
- Developed recommendations for the design of educational materials and activities, including AR/VR modules, ensuring alignment with instructional design principles.
- Led stakeholder interviews with SMEs and senior leadership to inform and align content strategy for continuing medical education (CME) initiatives.
- Contributed to the instructional design of curricula used in simulation labs across various medical specialties.
- Applied user-centered design principles and learning theory to optimize learner engagement and knowledge retention in high-stakes medical contexts.

## Creative and Communications Lead

LifeLearn Inc

Feb — July 2016 | Guelph, ON

Led creative development and communications strategy for client-facing educational content within the veterinary and animal health sectors.

- Oversaw the production of medical illustrations, and marketing materials for web-based platforms.
- Coordinated with medical writers, product managers, and designers to ensure messaging accuracy, visual clarity, and client alignment.

## EDUCATION

University of Illinois at Chicago | Chicago, IL – Master of Science in Biomedical visualization, 2015

Harvard University | Cambridge, MA – Master of Liberal Arts in Biotechnology, 2013

University of Waterloo | Waterloo, ON – Bachelor of Science, Biochemistry Co-op, 2004

## CORE SKILLS

Project Management, Cross-Functional Team Coordination, Resource Planning, Project Intake & Workflow Trafficking, Stakeholder Communication & Client Engagement, Visual Storytelling, Branding and Marketing Strategy, Storyboards, Art Director, Scientific Communication

## TOOLS & TECHNOLOGIES

Project Management: Zoho, Teamwork.com, Asana, Miro, Milanote

Creative Tools: Adobe Creative Cloud, Autodesk Maya, Blender, Chimera

Presentation: Google Workspace, Microsoft Office

Other: Medical Illustration, Storyboarding, Stakeholder Interviews, Generative AI for Project Management

## CERTIFICATIONS

- Certified Medical Illustrator
- Generative AI Overview for Project Managers by PMI
- Talking to AI: Prompt Engineering for Project Managers by PMI

## AWARDS & GRANTS

2<sup>nd</sup> place Cell Bio 2020 image competition video award for animation of [TRIM5α Forming a Lattice around HIV Capsid](#)

Obtained \$35K in ASCB Public Engagement Grant: Finding a Refuge in Visualization: teaching scientific animation to high school students from refugee background. 2020-2021

Science Communication Fellow at Natural History Museum of Utah, 2019-2020

Jump ARCHES grant recipient for KneeVIEW: A Virtual Education Window for Musculoskeletal Training , 2017

Nelva B. Richardson Scholarship from Biomedical Visualization Program at UIC, 2015

Awarded the Vesalius Trust Research Grant in recognition of outstanding visual research advancing the health sciences, 2015

UIC Women In Science and Engineering Graduate Student Research Award Honorable Mention, 2015

## VOLUNTEER & MEMBERSHIPS

Member of the Project Management Institute, Current

Vesalius Trust Board, Director, Social Media Committee, June 2022 – present

Interaction Design Foundation Member, 2022 – 2023

GNSI online exhibition coordinator, Annual Meeting 2022

American Society for Cell Biology Member, 2019-2020

AMI Annual Conference Workshop Co-Chair, 2019

Association of Medical Illustrators Professional Member, 2013 – 2020

Society for Simulation in Healthcare Member, 2016 – 2017

American Medical Informatics Association Student Member, Jan 2015 – Jan 2016

Association of Medical Illustrators Meeting Student Volunteer, 2014

Treasurer of the Student Association of Medical Artists, UIC, May 2014 – May 2015

Representative on the Harvard Graduate Council, Sep 2012 – Apr 2013