



Erina He

Scientific Visual Communicator
Medical illustrator | Animator

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 www.erinah.com

EDUCATION

University of Toronto
2016

MS Biomedical Communications

University of California San Diego
2011

BS Neuroscience and Physiology

TOOLS

2D

Photoshop
Illustrator
InDesign
AfterEffects
Encoder

Others

Microsoft Suite
HTML / CSS

3D

Autodesk Maya
Cinema 4D
Chimera
OsiriX
Molecular Maya
ePMV

ABOUT: Multimedia visual communicator specializing in anatomy, molecular biology, cellular biology, surgery, and other scientific topics. Over 10 years of experience in digital illustration. Graduate from one of the four accredited medical illustration Master's programs in North America. Highly motivated and fast to learn new technology. **I can help you distill complex information into something that is both accurate and beautiful.**

WORK EXPERIENCE

Contract Medical Animator
2016-



Princess Margaret Cancer Centre - Movember Canada

- Collaborated with two other medical animators in the creation of 3 short animations for prostate cancer awareness.
- Responsible for research, asset creation, animation, and composition of the contents.

Chief Art/Layout Director
2016-



Essentials of Clinical Examination Handbook 8th edition

- Responsible for coordinating with content editors and medical illustrators in organizing the content of the handbook, as well as improving the overall layout design from the previous edition
- Collaborated with medical students, faculty, and other members of the creative team on the publication of the handbook's 8th edition

ORISE Research Fellow
June-September, 2015



National Institutes of Health - Lister Hill Center for Biomedical Communications

- Collaborated with other branches of the NIH on illustrating projects such as the Genetics Home Reference, and the visualization of FIB-SEM (Focused Ion Beam Scanning Electron Microscopy)
- Created a 3D animation describing the FIB-SEM process.
- Animation published in Nature Methods 12, 1021-1031 (2015) - Focused ion beams in biology

Contract Medical Illustrator
2015-2016



Toronto Notes - University of Toronto, Faculty of Medicine

- Created and revised anatomically accurate illustrations intended to be used by medical students at University of Toronto.

Research Associate I
2012-2014

Prognosis Biosciences

- Conducted research, experimental design, and data analysis for advancement of diagnosis biotechnology dealing with DNA sequencing and DNA/RNA modification.
- Delivered high quality DNA sequencing data for both in-house projects and customers using Next Generation Sequencing technology.

Senior Graphic Designer

UC San Diego

2008–2011

University Events Office, University of California – San Diego

- Designed brochures, postcards, web pages, and more for The Loft, and ArtPower!
- Worked along with other marketing assistants in branding for The Loft and ArtPower! such as The Loft membership campaign, Loft Off 2009, ArtPower! Spark Party 2010, Wonderland Dance Festival 2010, and more

OTHER ACTIVITIES

The Visual Molecular Decision Tree – An Animated Assessment

2015–2016

Research Committee: Jodie Jenkinson, Gael McGill, Michael Corrin

Examined the impact of using short, non-photorealistic animations on an assessment of common molecular misconceptions. Participants included 71 undergraduate biology students from the University of Toronto, randomly assorted into either a text-only control group, or visual-treatment test group. Publication in progress.



Social Sciences and Humanities
Research Council of Canada

Conseil de recherches en
sciences humaines du Canada

Canada

Poster: The Visual Molecular Decision Tree – An Animated Assessment

2016

Results from the study were presented at the Association of Medical Illustrators annual conference on July 21st, 2016 during the Vesalius Trust poster presentation session.

Poster: The Animation of Focused Ion Beams in Biology

2015

Presenters: Erina He and April Brust

Content Advisors: Donny Bliss, Kedar Narayan, Sriram Subramaniam

Presented the creation process of the FIB-SEM animation at Natcher Conference Center at the National Institute of Health.

AWARDS & HONORS

- 2015 Oak Ridge Institute for Science and Education Fellowship
- 2014 University of Toronto Entrance Award
- 2011 University of California San Diego – Cum Laude
- 2007–2011 University of California San Diego – Provost Honors
- 2008 Science and Mathematics Access to Retain Talent Grant

MEMBERSHIPS

- Association of Medical Illustrators
- Kappa Phi Beta

Have a story
to tell?
Let me help
you with that!