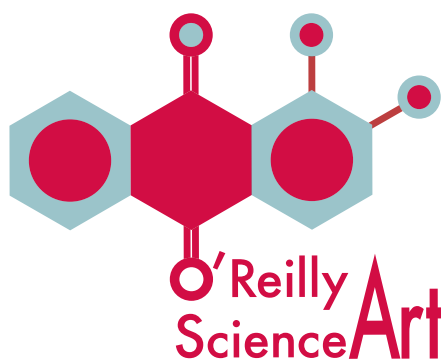


Mary K. O'Reilly, Ph.D.

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view portfolio @ www.oreillyscienceart.com



EDUCATION

Certificate in Digital Design 2014

University of California - San Diego Extension

Ph.D. in Biological Chemistry 2006

Massachusetts Institute of Technology, Cambridge, MA

B.S. in Chemistry 1999

Purdue University, West Lafayette, IN

EXPERIENCE

Owner, O'Reilly Science Art, LLC 2010-now

Journal covers, technical figures, website graphics, logos, posters, 2D, 3D, and interactive animations.

Animator and Graphic artist 2011-2013

Behind the Scenes at MIT, a series of 2-minute videos highlighting the work of MIT researchers, created in collaboration with MIT and HHMI

Textbook Illustrator 2011-2013

Created illustrations and figures for a Systems Biology textbook written by Prof. Markus Covert at Stanford University's Department of Bioengineering.

Adjunct Assistant Professor 2010-2013

*Department of Chemistry and Biochemistry
University of San Diego, San Diego, CA*

Book Illustrator 2010-2011

Illustrated and designed the layout for a chemistry poetry book entitled "Atomic Romances, Molecular Dances".

Asset Creator/Designer 2010-2011

Virtual Nerd, LLC

Postdoctoral Fellow 2006-2010

The Scripps Research Institute, La Jolla, CA

AWARDS

Postdoctoral Fellowship 2007-2010

*American Cancer Society
The Scripps Research Institute*

Honorable Mention, Mixed Media 2006

Off Track Gallery, Small Image Show

Biotechnology Training Grant 2001-2004

*National Institutes of Health
Massachusetts Institute of Technology*

Chemistry Dept Award for Outstanding Teaching by a Graduate Student 2000

Massachusetts Institute of Technology

Dale W. Margerum Undergraduate Research Scholarship 1999

Purdue University

Iota Sigma Pi Chemistry Department Outstanding Senior Woman Award 1999

Purdue University

Hallmark Award for original oil painting 1995

Scholastic Art Awards Program

LINKS

My website

LinkedIn

Behind the Scenes at MIT project
Atomic Romances, Molecular Dances
Publications

SOFTWARE

Drawing and Design

Adobe InDesign, Illustrator, Photoshop, CS Chemdraw

Animation

Flash, Adobe Edge Animate (interactive), Maya (3D)

Molecular Visualization

VMD, Chimera, PyMol

Office

Microsoft Word, Powerpoint, Excel, Keynote

SKILLS

Conceptualizing scientific content into accurate and visually appealing images and animations

Comprehending manuscripts in the fields of biology and chemistry

Communicating directly with scientists to translate their work into meaningful images

Meeting deadlines, often early, with excellent time management skills

Managing numerous ongoing projects

Solving problems using creative and analytical skills

Exhibiting adaptability and exceptional interpersonal skills in working with others in a team

CLIENTS

Biotech and Biomedical Research Institutes

aTyr Pharma, Cell Guidance Systems, Ltd., eFFECTOR Pharmaceuticals, Minerva Biotechnologies, Sanford-Burnham Medical Research Institute, Stemgent, Inc., Stowers Institute for Medical Research, Synthorx

Publishers

W.H. Freeman & Company, Rockefeller University Press (Journal of General Physiology)

Academia

Boston College, Duke University, ETH Zurich, Freie Universitat-Berlin, Iowa State University, Johns Hopkins University, Memorial Sloan-Kettering Cancer Center, Massachusetts Institute of Technology, Purdue University, The Scripps Research Institute, Stanford University, University of Alberta, University of Illinois - Chicago, University of California - Berkeley, University of California - San Diego, University of Wisconsin - Madison, Wellesley College, Worcester Polytechnic Institute

ADDITIONAL TRAINING

Painting Classes and Workshops

*Morton Community Center, West Lafayette, IN
Out of the Blue Gallery, Cambridge, MA*

Life Drawing

Harvard University Extension, Cambridge, MA

Drawing and Illustration

UCSD Extension, La Jolla, CA

Staging and Composition

Watts Atelier of the Arts, Encinitas, CA

Encaustic Painting Workshop

San Diego Art Department, San Diego, CA