

Degrees and Certifications

Master of Science in Medical and Biological Illustration—The University of Michigan, 1975

Bachelor of Fine Arts, Magna Cum Laude—The University of Michigan, 1973

Board-Certified Medical Illustrator—The Board of Certification of Medical Illustrators, 1993-present

Fellow—The Association of Medical Illustrators, 1988

Professional Experience

- ◆ **Expert**—in translating complex science concepts into accessible visual communications for audiences ranging from researchers and clinicians to investors and patients.
- ◆ **Creative director**—of diverse communications projects requiring interdisciplinary coordination of scientists, entrepreneurs, graphic designers, medical illustrators, writers, and other specialists.
- ◆ **Consultant**—to more than 100 life sciences companies and organizations, creating visual communications that helped clients to raise over \$575M through IPO's alone.
- ◆ **Past President**—of the Association of Medical Illustrators, 2009-2010, an international organization of over 800 members. Led initiatives in strategic planning, global outreach, member expansion, and broadening the scope of the profession to leverage opportunities in new and emerging media.
- ◆ **Business owner**—with well-developed skills in leadership, presentation, project management, and teamwork.
- ◆ **Teacher**—of graduate and professional level students in science and visual communication.
- ◆ **Presenter**—to a variety of audiences on topics in biomedical visualization.

Founding Partner—**Picture as Portal® LLC**, 2015-present

Co-created an online course to teach—step by step—how to use visual communications to convey complex information effectively to diverse audiences. Designed specifically for scientists.

Founder, President, and Creative Director—**Artemis Creative, Inc.**, 1992-2003

Built a business providing biotechnology companies with expertise in communicating complex science concepts using visual media. Specialized in investor, corporate, and marketing communications, and clinical and patient education.

Partner—**Palay/Beaubois**, 1984-1992

Designed and produced a broad range of visual media for life sciences/healthcare companies, medical publishing, health advocacy, clinical education, and medical litigation.

Visual Information Specialist—**NASA Ames Research Center, Life Sciences Division**, 1976-1980

Directed all visual communications for the life sciences research division, including exhibits, films, presentations, and publication support for projects such as the Viking Mission to Mars, the Search for Extraterrestrial Intelligence, and the effects of space travel on female astronauts.

Medical Illustrator—**Department of Anatomy, Harvard Medical School**, 1974

Produced illustrations for publication, and three-dimensional models of neuroanatomy.

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Teaching Experience

Stanford University and Stanford University School of Medicine

Instructor, Continuing Studies Program, 2012-2014

Developed and taught courses about principles of visual design, and how to make and use pictures to communicate clearly about any subject no matter how complex.

Instructor and lecturer for various workshops and classes at Stanford's Hume Center for Speaking and Writing, and the Department of Biology; and the Division of Clinical Anatomy and the Lane Medical Library at the Stanford University School of Medicine, 2011-2015

University of California, San Francisco, Medical Campus

Adjunct Lecturer, School of Medicine, Graduate Program for Medical & Biological Illustration, 1984-1986
Developed/taught courses in visual communications/business practices to masters program students.

Workshop Presenter, 2014-2015

Developed/taught workshops in visual communications for medical center graduate students/faculty.

University of Michigan Medical Center

Teaching Fellow, Department of Anatomy, 1974-1975

Instructed allied health students (nursing, pharmacy, dental hygiene, physical education) in laboratory dissection of human anatomy. Redesigned visual content of course workbook.

Awards, Recognition and Publications (individual work and as creative director)

Over 140 professional awards including:

6 Gold Awards, Medical Marketing Association

6 Gold Awards, International ARC and Astrid Awards

Grand Award, International Astrid Awards

Gold Award, Health Sciences Communications Association Media Festival

5 First Place Awards, Association of Medical Illustrators

23 Awards of Excellence, Rx Club

19 American Graphic Design Awards

6 Awards of Excellence, American Corporate Identity

2012 AMI Outstanding Service Award for "outstanding service to the Association of Medical Illustrators, excellence as an artist and educator, and bringing honor to our profession"

Work has been selected for publication in:

The Best in Medical Advertising and Graphics, Rockport Publishers

The Art of Medicine, PRINT magazine

Communication Arts magazine and *Communication Arts Design Annual*

Women in Design International Compendium, National Endowment for the Arts

Work has been selected for exhibit in:

The Art of Medicine, Museum of American Illustration, NY Society of Illustrators

Medical Illustration: Brodel to the Present, Lisbon, Portugal

Year of Chemistry exhibit, UNESCO and Hungarian Academy of Science, Budapest, Hungary

San Francisco Society of Illustrators Annual Show

Molecular Graphic Arts Shows

Work has appeared in academic journals and consumer magazines including:

Allergy & Asthma, Cardio, Contemporary OB/GYN, Contemporary Oncology, Contemporary Urology,

Forbes, Geriatrics, Journal of Neurocytology, Kidney Health, Modern Medicine, Nature Biotechnology,

Nursing, Outdoor Life, Patient Care, Psychopharmacology, RN, Stanford Nurse, Working Mother

Work has appeared in books including:

Biology: The Unity and Diversity of Life; Cerebellar Dentate Nucleus; Education in Sexuality; The Fine Structure of the Nervous System; Glencoe Health; HBJ Health; The Nurse, Pharmacology, and Drug Therapy; Local Diagnosis in Neurological Disease; Mastery of Surgery, P.A.T.H. Positive Attitudes Toward Health; Principles of Dermatology and Topical Steroid Therapy