

EXPERTISE

- Expertise in crafting original, detailed visuals to communicate technical information efficiently
- Expertise mediating the needs of unique clients, researchers and professionals
- Expertise with Adobe Creative Suite including Illustrator, Photoshop and Aftereffects
- Proficiency with Autodesk Autodesk 3D Studio Max, Maya and Mudbox; Right Hemisphere Deep Paint and Deep UV
- Multimedia skills including infographic design, concept development, storyboarding, sound design, 2D and 3D animation and compositing
- Strong foundation in traditional media including graphite, pen and ink, oils and ceramic sculpture
- Background in life sciences including cell biology, virology, genetics, anatomy and physiology

EDUCATION

- 2009-05 **Bachelor of Arts** Dean's Approved in Biomedical Art/Illustration
Case Western Reserve University, Cleveland, OH
- 2009-07 **Biomedical Art Major Coursework**, Cross-Registered Student
The Cleveland Institute of Art, Cleveland, OH
- 2006-05 **Foundations Coursework**, Cross-Registered Student
The Cleveland Institute of Art, Cleveland, OH
- 2004-01 **High school diploma**, Studio Art Majors Program
Beaumont School High School, Cleveland Heights, OH

PROFESSIONAL AFFILIATIONS

- Present- 2013 **Professional Member**, Association of Medical Illustrators (AMI)

EXPERIENCE

- Present-2008 **Biomedical Illustrator and Animator**
- I integrate my strong aesthetic and visual foundation with current media expertise to produce illustrations, animations, infographics and designs which communicate complex scientific and technical topics to a variety of audiences.
 - Clients an include Kenhub Anatomy, The Cleveland Clinic Foundation, University Hospitals of Cleveland, The CRWU Center for Global Health and Disease, Vertical Medecine Resources, SGNV Group, The Utah Museum of Natural History, Utah State University, Allogy Interactive, Dartmouth Publishing Inc., The Moab Free Health Clinic, Fixed Pin Publishing, The Cleveland Botanic Gardens, The Cleveland Museum of Natural History, Elsevier Science, Intellectual Ventures: Epidemiological Modeling Lab, Monarch Teaching Technologies, The Journal of Bimolecular NMR, Outdoor Labs
- 2013 **Fossil Casting Intern**, Gaston Designs
- Mold fabrication, casting and pouring in studio for mounts and museum display

EXPERIENCE cont'd

- 2011-10 **Instructional Media Specialist**, Monarch Teaching Technologies
- Instructional illustration and database maintenance for VizZLe® learning software
 - Technical support and librarian for the Monarch Center for Autism
- 2008 **Medical Art and Illustration Dept. Intern**, The Cleveland Clinic Foundation
- Cardiac and surgical illustration for patient education
- 2008-05 **Invertebrate Zoology Lab Volunteer**, The Cleveland Museum of Natural History
- Invasive species monitoring, taxonomic identification, entomological dissection, specimen preservation and zoological illustration
- 2006-05 **Laboratory Technician**, The CRWU Center for Global Health and Diseases
- Lab maintenance, PCR, cloning, gel electrophoresis, specimen preservation

RESEARCH

- 2009 **BA Thesis Project in Biomedical Art**, The Cleveland Museum of Natural History
- Developed an educational animation explaining Tyrannosaur growth for a museum audience
- 2008 **Biology Independent Research**, The Cleveland Museum of Natural History
- Entomological dissection and illustration of new insect species at the Cleveland Museum of Natural History
- 2004-03 **West Nile Virus Research**, The CWRU Dept of Global Health and Disease
- Assesment of permethrin resistance in mosquitoes and relevance to controlling the spread of West Nile Virus

PUBLISHED WORKS Primary Illustrator

K Pease. The Crack Climber's Technique Manual: Jamming with Finesse. Fixed Pin Publishing. 2015.

PUBLISHED WORKS Contributing Illustrator

AG Palmer. A topical Issue: NMR investigation of molecular dynamics. The Journal of Biomolecular NMR, Vol 45:1-2. Springer Science. 2009.

GJ Vricella MD, JH Ross MD, S Vourganti MD, EE Cherullo MD. Laparoscopic Single-Site Nephrectomy: Initial Clinical Experiences in Children. Journal of Endourology. 2010.

P Eckhoff. A malaria transmission-directed model of mosquito life cycle and ecology. Malaria Journal 10:303. Biomed Central Ltd. 2011.

P Mather, R McCarthy. Reading and All That Jazz, 5th Ed. McGraw-Hill. 2011.

JR Andrews MD, JL Harrelson EdD ATC, KE Wilk PT DPT. Physical Rehabilitation of the Injured Athlete: Expert Consult- Online and Print, 4th Ed. Elsevier, Saunders, Philadelphia, PA. 2012.

PUBLISHED WORKS cont'd Contributing Illustrator

A Ehrlich, CL Schroeder. Medical Terminology for Health Professions, 7th Ed. Delmar, Clifton Park, NY. 2012.

MJ Kern MD. The Interventional Cardiac Catheterization Handbook, 3rd Ed. Elsevier, Saunders, Philadelphia, PA. 2012

C Hagberg MD. Benumof and Hagberg's Airway Management, 3rd Ed. Elsevier, Saunders, Philadelphia, PA. 2012.

R Hoffman MD, EJ Benz Jr. MD, LE Silberstein MD, H Heslop MD, J Weitz MD, J Anastasi MD. Hematology: Basic Principles and Practice, 6th Ed. Elsevier, Saunders, Philadelphia, PA. 2012.

S Abbara MD, SP Kalva MD. Problem Solving in Radiology: Cardiovascular Imaging, 1st Ed. Elsevier, Saunders, Philadelphia, PA. 2012.

PA Zimmerman, MU Ferreira, RE Howes, OM Puijalon. Resistance to *P. vivax*: Red blood cell polymorphism and susceptibility to *Plasmodium vivax*. In Advances in Parasitology- The epidemiology of *Plasmodium vivax*: history, hiatus and hubris (vol 80). Eds. SI Hay, RN Price, K Baird. Elsevier, London. 2012.

S McMahon PhD, M Koltzenburd MD, IT DPhil, DC Turk PhD. Wall & Melzack's Textbook of Pain, 6th Ed. Elsevier, Saunders, Philadelphia, PA. 2013.

SD Sampson, EK Lund, MA Loewen, AA Farke, KE Clayton. A remarkable short-snouted horned dinosaur from the Late Cretaceous (late Campanian_ of southern Laramidia. Proceedings of the Royal Society, Vol 280 no. 1766. 2013

DJ Klein, A Bershteyn, PA Eckhoff. Dropout and re-enrollment: implications for epidemiological projections of treatment programs. AIDS Journal, Vol 28, Issue- p S47-S59. January 2014.

PA Zimmerman, RE Howes. Malaria diagnosis for malaria elimination. Current Opinion in Infectious Diseases, Vol 28, no. 5. p 446-54. October 2015.