



## Curriculum Vitae

Charles Wesley Price, MS in Medical Illustration,  
Board Certified Medical Illustrator

Senior Director

Division of Biomedical and Scientific  
Visualization

Mayo Clinic  
Rochester, Minnesota

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9th October 2023

## Education

- 1994-1996 MS in Medical Illustration, Medical College of Georgia, Augusta University, Augusta, GA  
 1989-1993 BFA in Scientific Illustration, University of Georgia, Athens, GA

## Additional Education and Training Received

- 2023-present Biomedical and Scientific Visualization, Mayo Clinic- Internal Training:  
 '3D Visualization Using DICOM Imaging', David Nahabedian, MS, CMI
- 2020-2022 Center for BioMedical Visualization, St. George's University School of Medicine - Internal Training:  
 'Introduction to Character Animation in Cinema 4D', Jack Nelson  
 'Modeling a Stomach using Cinema 4D Animation Software', Jack Nelson  
 'DICOM Visualization and 3D Segmentation Workshops', (2 sessions) David Nahabedian & Brandon Holt  
 'Insect Modeling with ZBrush: Orthoptera-Stenopelmatidae-Stenopelmatius', Brandon Holt  
 'Introduction to Cinema 4D Animation Software', Jack Nelson
- 2019-present Association of Medical Illustrators Online Learning Webinar Series:  
 'Making Medical Art Using Virtual Reality Technology', Chi-Chun Liu (co-presenter Charles Price)  
 'How To Approach Designing For Immersive Technology', Andrea Zariwny, INVIVO-Communications  
 'Causes & Consequences: Topographical Anatomy and the Legacies of Eduard Pernkopf & J.C.B. Grant',  
 Dave Mazierski, Associate Professor of Biomedical Communications/Biology, University of Toronto  
 'Modeling Biological Membranes And Membrane Proteins', Dr. Derek Ng, University of Toronto  
 'Beginners Guide To The Protein Data Bank', Veronica Falconieri Hays, MA, CMI  
 'Learning from visual media: A primer on educational research for medical illustrators',  
 Dr. Jodie Jenkinson, Assistant Professor of Biomedical Communications, University of Toronto  
 'Using Layer Styles and Smart Objects to Optimize Production in Photoshop', Andrew Swift, Director of  
 Medical Science at ISO-FORM LLC  
 'Speeding up your Illustrator Workflow', Jill Gregory, Associate Director of the Instructional Technology  
 Group, Icahn School of Medicine at Mount Sinai, in New York City  
 'Computational Microscopy of COVID-19', Dr. Rommie E. Amaro, Ph.D. Professor and endowed chair of  
 chemistry and biochemistry and the Director of the National Biomedical Computation Resource  
 at the University of California, San Diego
- 2019 American Sign Language for Medical Terminology, 16-hour intensive selective Dr. Robert Hage
- Council for Education in the Commonwealth, 2019 Annual Conference:  
 'Laughter is the best medicine, why not the best learning tool, too?', Maira DuPlessis and  
 Dr. Robert Hage  
 'Video & Virtual Reality (VR) in Education', Dari Twum Barimah  
 'Those Apps You Never Knew Existed', Phylise Banner  
 'Augmented Reality (AR) for Interactive Learning Spaces', Shereene Harford Twum Barimah
- 'Comparative Anatomy: Pectoral Muscles of the Human, Equine, Canine' Anatomy in Clay Center,  
 Denver, CO. 16-hour intensive sculpting workshop with Jon Zahourek, creator of the Anatomy in  
 Clay™ haptic learning system ensuring 'The mind cannot forget what the hands have learned'
- 2017-2022 Seminars and Lectures, St. George's University School of Medicine, Department of Anatomical Sciences:  
 'Research is Fun', Dr. Paul Fields (SGU Research Day 2021)  
 'Sly as a Fox: How to Identify a Predator', Nelson Davis, Dr. Robert Hage (SGU Research Day 2021)  
 'Posterior Triangle and Root of the Neck', Dr. Vasavi Gorantla  
 'From Injury to Malpractice', Annie Gough (visiting professor)  
 'Michelangelo - Sculptor in Bronze', Dr. Peter Abrahams  
 'Accessible 3D Scanning Technology for the Classroom', David Nahabedian  
 'Clinical Imaging of the Extremities: Radiography, CT and MR', Dr. Kitt Shaffer (visiting professor)
- University Teaching Program Workshops, St. George's University Department of Educational Services:  
 'Level Up! How to Elevate your PowerPoint Lectures' Sarah Gluchitz  
 'Developing a shared understanding of online learning' Shannon Rushe  
 'Building online learning environments (ie. SAKAI, DLAs)' Shannon Rushe  
 'Engaging students in online environments (ie. Zoom)' Shannon Rushe  
 'Creation of online content (ie. Panopto, Dynamic PPTs, Animations)' Shannon Rushe
- 2017 St. George's University, Teaching with Technology Tuesdays (TwTT):  
 'Using Augmented/Mixed Reality for Medical Education' Ted Dinsmore

'All Or Nothing: Managing Our Own Technology Lifecycles' Phylise Banner, Experience Designer  
'Exploring AR, VR & 3D Apps' Shereene Harford Twum Barimah

- 2016-2022** Visiting Professors and Training - St. George's University Center for BioMedical Visualization:  
'Adobe AfterEffects 2D Animation', Adam Zunder, INVIVO-Communications  
'Pixologic ZBrush and Sketchfab', Quade Paul, Echo Medical Media LLC  
'MedLegal Illustration/DICOM Data Visualization', Annie Gough, CMI, AG Illustrations  
'Pixologic ZBrush, Adobe Photoshop, Project Library Development', Andrew Swift, CMI, ISO-FORM, LLC  
'Focus Group: Developing a Graduate Program', Andrew Swift & Annie Gough
- 2015** 'Mastering Human Anatomy in ZBrush' The Gnomon School of Visual Effects, Los Angeles, CA  
40-hour intensive with Andrew Cawrse and Kris Costa, Hollywood special effects artists  
'3D Printing for ZBrush Artists' Mold3D Academy, Los Angeles, California  
'Advanced 3D printing Techniques in ZBrush' The Gnomon School of Visual Effects, Los Angeles, CA  
  
'Digital Sculpting for Artists' The Gnomon School of Visual Effects, Los Angeles, California. 4-hour digital sculpting session with Hollywood special effect artist Eric Keller  
  
'Preparing Ornithological Specimens for the Future of Science and Natural History Museums'  
The Association of Medical Illustrators Annual Meeting, Cleveland Clinic, Cleveland, Ohio. Full day session with Maria Burke, Exhibits and Design Manager at the Cleveland Museum of Natural History
- 2014** 'Comparative Avian and Mammalian Osteology' Guild of Natural Science Illustrators Annual Meeting, Boulder, CO. Full day sketching and anatomy session at Denver Museum of Nature and Science studying with Dr. Sue Ware, forensic paleontologist and Research Associate, Denver Museum of Nature & Science.  
'Mastering Human Anatomy in ZBrush.' The Association of Medical Illustrators Annual Meeting, Mayo Clinic, Rochester MN. Full day sculpting with Andrew Cawrse, Hollywood special effects artist
- 2013** 'From Passion to Profits.' The Association of Medical Illustrators Annual Meeting, Salt Lake City, UT  
Full day session with business coach Peleg Top
- 2012** 'Clinical Anatomy of the Hand: Serial Dissection and Illustration.'  
The Association of Medical Illustrators Annual Meeting, Toronto, CAN. 4-hour sketching and anatomy session with Dr. Anne Agur, Professor in the Division of Anatomy, Department of Surgery at the University of Toronto, coauthor of Grant's Atlas of Anatomy, Essential Clinical Anatomy, and Clinically Oriented Anatomy
- 2011** 'Abdominal Vascular and AAA Repair.'  
The Association of Medical Illustrators Annual Meeting, Baltimore, MD. 4-hour sketching, anatomy, and surgical simulation observation with Dr. Heitmiller Chief of Surgery, Program Director of General Surgery and Surgical Residency Program Director at Union Memorial Hospital.
- 2010** 'Autodesk Maya Basics.' The Art Institute of Colorado Continuing Education, Denver, CO. 16-hour intensive training with Sandeep Kulkarni, Product Manager, EDU at Unity Technologies, and former Senior Training Specialist at Digital Domain.

## Employment and Academic Appointments

### Current Employment

**2022-present** Senior Director, Division of Biomedical and Scientific Visualization, Mayo Clinic, Educational Shield  
Oversees the business operations within the Division of Biomedical & Scientific Visualization and provides leadership to a high-performing team of illustrators, animators, 3D artists, XR/AR/VR engineers and all other related creative staff. Grows and fosters a healthy creative culture with a focus on evolved communication, collaboration, innovation and process.

Leads the Division of Biomedical & Scientific Visualization and serves as a trusted advisor and a key member of the Education Administration leadership team. Drives the vision, mission, and interpretation of creative strategy for the Division in partnership with the Division Chair, Medical Director and the Creative Director roles to optimize workflow and improve efficiencies, to ensure consistency and alignment of all medical & scientific visuals across the organization. Inspires an understanding of the value and importance of the stewardship of Mayo Clinic rich history of medical & scientific visuals. Works closely with HR to drive rigorous recruitment of top talent across all creative studio disciplines. Engages with leaders, administrators, physicians, scientists, and allied health staff at the highest levels of the organization with confidence and credibility.

Leads all vendor partnerships for products and services that include (but not limited to) medical illustration, medical animation, 3D modeling/texturing, 3D printing, special effects, and XR/AR/VR authoring. Collaboratively shapes and grows a world-class medical illustration and medical animation studio.

### Other Employment and Academic Appointments

- 2018-2023** Visiting Professor, Medical Illustration Graduate Program, Augusta University  
Developer and facilitator of an introduction to digital sculpting for the summer Medical Sculpture course.
- 2016-2022** Instructor, Department of Anatomical Sciences, St. George's University School of Medicine  
Facilitator in the gross anatomy wet lab for Courses: Biol460, BPM1, BPM2  
Instructor for the Post Graduate Certification in Medical Education
- 2020-2022** Director, Basic Sciences Selectives, St. George's University School of Medicine  
Oversees the development and quality of Selective Courses through collaboration with:  
**Senior Web Designer/ IT Security** to maintain the Basic Sciences Selective portal site  
**Students** to answer questions and facilitate registration through the portal site  
**Course Directors** to update content for selectives on the portal site, and gather registration forms  
**Registrars Office** to ensure students are in compliance with selective rules, are registered properly and receive credit on their transcript for successful completion of the course  
**Faculty** to develop new, challenging, and innovative selective courses to give students the opportunity to integrate basic sciences knowledge into clinical areas, often into clinical medicine.
- 2018-2022** Creative Director, Center for BioMedical Visualization, A dynamic faculty collective within the Department of Anatomical Sciences whose mission is to collaborate with other St. George's University faculty with visual communication, visual storytelling, visual problem solving and graphic support.
- Fosters creative relations, manages collaborations and expectations between the medical illustrators and all Departments, faculty & students: primarily for School of Medicine as well as on a case-by-case basis for School of Veterinary Medicine, School of Arts and Sciences, School of Graduate Studies, Northumbria University and Clinical affiliates, Department of Educational Services, Psychological Services Center, Office of Career Guidance, etc.
- Co-developer of the BioMedical Visualization Fellowship and Internship Programs
- Direct supervisor for all faculty medical illustration Instructors, and assists in supervising all Demonstrator faculty in the BioMedical Visualization Fellowship and all student participants of the Internship Programs.
- Creative Director oversees all medical illustration production and day-to-day operations including collaboration with:
- Project Manager to intake and prioritize tasks/projects, budget time and resources, ensure quality and accuracy, mentor and guide creative performance, facilitate training, anticipate trends/needs
  - Office of University Communications to ensure branding compliance for SGU-branded content
  - Dean of the School of Medicine, Dean of Basic Sciences Office, Co-Chair of Anatomical Sciences Department, to keep St. George's University at the forefront of medical education and to ensure competitiveness in an increasingly digital educational environment
- 2018-2020** Adjunct Professor, Department of Scientific Illustration, University of Georgia, Athens, GA  
Visiting Professor in charge of developing and delivering a 9-day intensive course in digital sculpting, to undergraduate students resulting in a full semester course credit  
Course: ARGD 4080 Special Problems in Graphic Design: ZBrush for Science Illustration
- 2010-2016** Adobe Photoshop, Illustrator, and Graphic Design Instructor, Boulder Digital Arts, Boulder, CO  
Instructor in charge of developing and delivering software and graphic design courses to working professionals in Boulder's leading community-powered resource organization. Courses:  
Influential Infographics  
Adobe Illustrator Hands-on  
Adobe Photoshop Hands-on  
Graphic Design Certificate Program
- 2003-2016** Associate Professor of Media Arts, The Art Institute of Colorado, Denver, CO  
Media Arts & Animation, Visual Effects & Motion Graphics, and Game Art & Design,  
Faculty in charge of instruction, advising, assessment and curriculum development  
Four undergraduate courses per quarter, four quarters per year (see Teaching Activities)

- 2001-2002 Medical Animator, Visible Productions LLC, Fort Collins, CO
- 2001 Museum Preparator, High Museum of Art, Atlanta, GA
- 1999-2000 Video Game Artist, Engineering Animation Inc., Salt Lake City, UT
- 1996-1999 Medical Artist, Engineering Animation Inc., Ames, IA
- 1996 Medical Illustration Intern, Educational Resources Center, University of Georgia, School of Veterinary Medicine, Athens, GA
- 1996-present Wes Price Illustration, Principal Designer and Owner

### Honors and Awards

- 2023 Award of Merit and Social Impact Award, Association of Medical Illustrators Salon 'Gestational Diabetes Mellitus' animation with Nicole Lekach, Sarah Glusnitz, Sue Simon, Claudia Cárceles Román, Lucia Garces, Dr. Francis McGill, Dr. Sasha Lake, Nyana Bhashar, Amrita Pandey, Women in Medicine (WIM) Student Lead: Michele Liu, Community Advisors: Stephanie Lewis, Lydia Browne, Charisse Bristol
- 2022 'Gender Roots: Justice, Art, and Medicine at St. George's University,' animation by Sarah Glusnitz, Nicole Lekach, Lucia Garces, Fariyah Khan, Matthew-Dean Argame with Sue Simon, Chandra Stafford, Robert Alig, Andrea Blair, Dr. Laura Colket, Dr. Tracy Penny Light
- Honorable Mention, CUGH-Pulitzer Center Video Competition, online. 'Cervical Cancer in the Caribbean' animation with Sue Simon, Claudia Cárceles Román, Nicole Lekach, Sarah Glusnitz, Lucia Garces, Dr. Sasha Lake, Dr. Francis McGill, Dr. Sasha Lake, Avi Bahadoor-Yetman, WIM Student Leads: Hanah Lee, Jade Lerner, Jasmine Custodio and Amrita Pandey
- 2021 Award of Merit, Association of Medical Illustrators Salon, online. 'Cervical Cancer in the Caribbean' animation with Sue Simon, Claudia Cárceles Román, Nicole Lekach, Sarah Glusnitz, Claudia Cárceles Román, Lucia Garces, Dr. Francis McGill, Dr. Sasha Lake, Avi Bahadoor-Yetman, WIM Student Leads: Hanah Lee, Jade Lerner, Jasmine Custodio and Amrita Pandey
- 2018 Award of Merit, Association of Medical Illustrators Salon, Boston, MA. 'Equine Phalanges: A Comparison of 3D Capture Methods' research infographic, and 3D-printed haptic display with Dr. Melania Crisan, Jessica Holland, David Nahabedian, Katie Yost, Brandon Holt, Xochitl Vinaja
- SIMIC-GRAU-Award, Excellence in Oral Presentation. 'Photogrammetry, as Applied to the Equine Phalanges for 3D Printing' 32nd Congress of the European Association of Veterinary Anatomists, Dr. Melania Crisan, et. al. Hannover, Germany
- 2011 Faculty of the Year, Art Institute of Colorado. Nominated and awarded this honor for distinguished service
- 1998 Award of Excellence, The Association of Medical Illustrators Annual Salon, Toronto, CAN. 'Dynamic Human II Interactive Atlas of Anatomy and Physiology', Performed medical illustration and animation with interactive division team to complete an interactive atlas of anatomy/physiology
- 1995 3rd Place Award, 'Extensors of the Forearm.' Lamar Dodd School of Art, Athens, GA. The Annual Scientific and Medical Illustration Exhibit. A joint exhibit sponsored by The University of Georgia Scientific Illustration Program and The Medical College of Georgia's Graduate Program in Medical Illustration

### Licenses and Certifications

- 2011-present Board Certified Medical Illustrator A program to encourage lifelong learning and to measure professional competency. Similar to specialty certification for physicians, the competency evaluation consists of a written test and a practicum. The CMI credential renews every 5 years by meeting continuing education requirements designed to maintain competencies required for practice.

### Teaching Activities

#### Current Teaching Activities

- 2023-present 'ZBrush Workflows' Workflow Workshops with Wes, Biomedical and Scientific Illustration, Mayo Clinic

## Additional Teaching Activities and Mentorship Experience

- 2017-2022** St. George's University School of Medicine, Grenada, West Indies  
Department of Anatomical Sciences  
Facilitating in three courses, two terms per year  
Biol460: Human Biology, School of Arts & Sciences Wet Lab  
BPM500: Basic Principles of Medicine 1 Wet Lab  
BPM501: Basic of Principles of Medicine 2 Wet Lab  
School of Medicine Post Graduate Certification in Medical Education: Visual communication instruction
- 2021-2022** 'Digital auscultation recording at the Grenda General Hospital Live recording of heart murmurs from patients' with Dr. Charlotte Taylor-Drigo. Mentees: Lucia Garces, Sarah Glusnitz  
  
Basic Sciences Selectives Course Development and Instruction  
SCSK 570: Medical Animation Techniques for Patient Education Mentees: Jack Nelson, Sarah Glusnitz, Brandon Holt, Lucia Garces, Claudia Cárceles Román  
SCSK 586: Visual Storytelling for Research Communication Mentee: Sarah Glusnitz  
SCSK 587: 3D Visualization with DICOM Mentee: Brandon Holt and David Nahabedian
- 2020-2022** Center for BioMedical Visualization Internship Program Development and Training  
Approaching ZBrush as a Scientific Illustrator: Sculpting the Hand with ZSpheres  
Mentees: Caitlin Guttu, Lila Raymond, Brian Garcia Ramirez  
Vector Portraiture in Adobe Illustrator Mentees: Farihah Khan, Carol Youssef  
Approaching ZBrush as a Scientific Illustrator: Sculpting the Caribbean Monk Seal & Eagle Ray  
Mentees: Farihah Khan, Angela Fan, Ashley Mastin, Lucy McCroskey
- 2019** Association of Medical Illustrators Online Learning Webinar Series:  
'Processing 3D Scan Data Using Pixologic ZBrush For Multiple Applications' (presenter)
- 2017-2022** Center for BioMedical Visualization Faculty Development and Training  
Mentees: Jessica Holland, Xochitl Vinaja, Angelica Ortiz, Katie Yost, Sue Simon, David Nahabedian, Brandon Holt, Claudia Cárceles Román, Sarah Glusnitz, Emily Kearney Williams, Valerie Lentz, Jack Nelson, Lucia Garces, Josh Hatfield, Farihah Khan  
'Adobe Photoshop: Importing from ZBrush & Shared Creative Cloud Libraries'  
'ZBrush to Sketchfab: The Living Illustration', Optical Illusion 2D Traditional Illustration in 3D  
'ZBrush to Sketchfab: Optimizing your Models for Animation, Web, Game Engines', Advanced Training  
'Approaching ZBrush as a Medical Illustrator', Beginner Training  
  
Equine Anatomy Visualization for Lecture: Painting bone, muscle, and digestive tract anatomy on horses: Equine Ultrasound Lab for the AAEP chapter of the Large Animal Society.  
Bovine Anatomy Visualization for Lecture: Painting normal and pathologic digestive tract anatomy on cows: Bovine Auscultation Lab for the AAEP chapter of the Large Animal Society at the Large Animal Research Facility
- 2003-2016** The Art Institute of Colorado, Denver, CO  
Department of Media Arts & Animation, Game Art & Design, Visual Effects & Motion Graphics  
Teaching load: Four undergraduate courses per quarter, four quarters per year, Courses:  
Foundations: traditional media (includes graphite, charcoal, gouache, acrylic)  
CC1309: Fundamentals of Design  
CC1303: Color Theory  
CC1312: Fundamentals of Drawing  
CC1311: Life Drawing for Animators  
CA2363: Drawing and Anatomy  
RS1321: Proportion and Perspective  
CC1311: Life Drawing for Animators  
Foundations: software (includes Photoshop, Illustrator, InDesign, After Effects)  
GA1101: Intro to Game Development  
CA1305: Language of Animation and Film  
CC1306: Computer Applications  
RS1309: Digital Image Manipulation  
RS1320: Digital Illustration  
CC1318: Digital Typography  
RS2362: Principles of Digital Photography  
Intermediate: software (includes 3Ds Max, Maya, ZBrush, Photoshop, Illustrator)

CA3340: Character Modeling  
CA2387: Materials and Lighting  
RS2330: Three-Dimensional Modeling  
RS2323: Storyboards

**Intermediate: non-media based**

RS3365: Conceptual Storytelling

**Advanced: software (includes 3Ds Max, Maya, ZBrush, Photoshop, After Effects)**

CA4391: Animation Studio  
CA3376: Pre-Production Team  
CA4380: Production Team  
CA4392: Animation Portfolio Fundamentals  
CA4393: Animation Portfolio Production  
FX4323: Portfolio Presentation for Visual Effects and Motion Graphics  
CA4394: Animation Portfolio Presentation  
MAA363: Advanced Drawing for Animation

**Advanced: non-media based**

RS4390: Career Development  
RS4385: Externship

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### Educational Tours

**The Art Institute of Colorado, Denver, CO**  
Co-designed and led three summer field trips for art students to explore important historical art centers in both Europe and Asia. Concurrently visited animation studios as well as facilitated courses for college credit and organized art shows in conjunction with the trips.

2005,2007  
2004

Chaperone, Educational Tour of Southern Japan (Osaka, Kyoto, Tokyo and Nara)  
Chaperone, Educational Tour of Italy and Southern France (Rome, Florence, Venice, and Nice)

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### Committees and Service

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#### Current Institutional Service

2023- present Mayo Clinic, Rochester, MN  
Full Education Administrators Meeting, Member  
Simulation/Immersive and Experiential Learning (3D) Modeling Solutions Team, Member  
Media Asset Manager Program Advisory Group, Member

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#### Additional University/School Committees and Student Activities Support

2021-2022 St. George's University School of Medicine, Grenada, West Indies  
Academic Resources Sub Committee, Member  
Committee for Technology-based Teaching & Learning, Member  
Basic Sciences Curriculum Committee, Guest/non-voting member

2017-2022 DLA Focus Group, Co-Chair  
Institutional Learning Focus Group Committee, Member

2003-2016 The Art Institute of Colorado, Denver, CO  
Admissions Committee, Member  
Scholarship Committee, Member  
Assessment Committee, HLC Accreditation, Member  
ZBrush Club, Faculty Lead and Mentor  
Pre-Portfolio Application, Faculty Lead and Mentor  
The Recording Arts Club, Faculty Sponsor  
The REEL Thing Student Animation Festival, Faculty Editor and Judge  
Media Arts Awards Ceremony, Faculty Coordinator  
Saturday Life Drawing Sessions, Faculty Lead and Sponsor  
Stop Motion Animation Workshop, Faculty Lead  
Open House, Portfolio Reviewer  
Summer Studio, Presenter

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#### Professional Societies: Memberships

1996-present Professional Member, Association of Medical Illustrators AMI

2018-2022 Professional Member, American Association of Clinical Anatomists AACA  
 2001,2014 Professional Member, Guild of Natural Science Illustrators GNSI  
 2011-2016 Membership/Educational Director, ASIFA-Colorado  
 Local Chapter International Animated Film Association

**Professional Societies: Committee Assignments/Offices Held**

2023 Co-Chair, AMI Meeting Planning Committee, Association of Medical Illustrators for the 2022 AMI Annual Meeting in Henderson, NV

2022 Workshop and Tech Showcase 'Chair-at-Large', Association of Medical Illustrators Mentoring both Chairs for the 2022 AMI Annual Meeting Planning Committee

2017-present Webinar Presenter and Host, Online Learning Committee, Association of Medical Illustrators Committee dedicated to Continuing Education Unit (CEU's) development for AMI membership

2016 Workshop Chair, Association of Medical Illustrators Annual Meeting, Atlanta, GA

2013 Tech Showcase Chair, Association of Medical Illustrators Annual Meeting, Salt Lake City

2012 Salon Judge, Association of Medical Illustrators Annual Meeting, Toronto, Ontario, CAN

2011-2014 Supervisor and Animation Instructor, 1st - 4th Annual Denver ComiCon. ASIFA-Colorado, Denver, CO

2010 Facilitator and Video Editor, 'GI Joe Stop Motion Workshop.' ASIFA-Colorado, Denver, CO Animation workshop for GI Joe Stop Motion Film Festival participants  
 Host Presenter, 'Bill Plympton IN YOUR FACE!' ASIFA-Colorado, Denver, CO

2009-2014 Judge, 'ASIFA-CO Best Professional Animated Short.' 33rd - 37th Starz Denver Film Festivals, Denver, CO  
 Judge, 'ASIFA-CO Junior Animation Competition.' 33rd - 37th Starz Denver Film Festivals, Denver, CO

2008 Facilitator and Video Editor, 'Stop the Madness!' 826NYC Writing Center, Brooklyn, NY  
 Three week stop motion animation workshop for local youth

2001 Promotional graphic designer, Association of Medical Illustrators Annual Meeting, Asilomar, CA

**Funding**

**Grants**

1995-1996 Recipient, Vesalius Trust Research Grant, Medical College of Georgia. Awarded for research and development of 3D models of dissected embryonic chicken hearts within the Developmental Biology Program, under the guidance of Dr. M.L. Kirby and Karen Waldo, resulting in the creation of my 1996 Graduate Thesis 'Introduction to Looping: A 3-Dimensional Interactive Tutorial of the Developing Heart.' Published within Embryo: CD Color Atlas for Developmental Biology, ed. Dr. Gary C. Schoenwolf, Prentice Hall, NJ. 1996

**Conference Presentations and Invited Talks Including Lectures, Workshops, and Art Exhibitions**

**Regional/Local**

2023 'Storytelling with Techniques and Technology: Preserving and Fostering the Humane by Utilizing Medical Illustration at the Dawn of Artificial Intelligence,' Humanities in Medicine Grand Round Lecture, Mayo Clinic

**National**

2023 'Life Drawing Las Vegas-Style!' Workshop for the Association of Medical Illustrators Annual Meeting, Henderson, NV

'Taking Your Career to Unexpected Places,' O.A. Parkes Symposium, Medical Illustration Graduate Program, Augusta University, Augusta, GA

2022 'VR for the Beginner Curious', Tech Showcase Presentation, Association of Medical Illustrators Annual Meeting, Des Moines, IA

2020 'Illustrators without Borders,' Virtual O.A. Parkes Symposium, Medical Illustration Graduate Program,



Augusta University, Augusta, GA presented by Charles Price, Sue Simon, Brandon Holt, David Nahabedian

'Lasers in the Jungle,' The South East Medical Illustration Meeting, University of Georgia, Athens, GA presented by Charles Price and designed by Lucia Garces

- 2018 American Association of Clinical Anatomists, Atlanta, GA  
'Midline Vasculature of the Neck,' Poster Presentation by T. Jackson, O. Akinfemiwa, O. Tunde-Byass, J. Coey, S. Sulaiman. 2 Illustrations  
'Anatomical Relationships of the Subclavian Vein', Poster Presentation by S. Vizirian, H. Fan, R. Stern, T. Thinley, S. Sulaiman. 1 Illustration
- 'Zed for your Head: ZBrush Workflows for Didactic Illustration', Workshop for the Association of Medical Illustrators Annual Meeting, Newton, MA
- 'Spiders from Space: Processing Scan Data from Artec Studio in ZBrush', Tech Showcase Presentation, Association of Medical Illustrators Annual Meeting, Newton, MA
- 2017 'ZBrush for Beginners,' Association of Medical Illustrators Annual Meeting, Austin, TX  
'Photogrammetry for 3D printing,' 4th Annual Denver Comic Con, Denver CO
- 2014 'ZBrush for Beginners.' Association of Medical Illustrators Annual Meeting, Salt Lake City, UT  
'The Cutting Edge: Contemporary Surgical Illustration,' Illustration Exhibition. Fulginiti Center for BioEthics and Humanities, University of Colorado, Denver, CO
- 2013 'Fabrication for Stop Motion Animation.' Panel Presenter, 2nd Annual Denver Comic Con, Denver, CO  
'Stop the Madness: Adventures in Medical Stop Motion Animation.' Association of Medical Illustrators Annual Meeting, Portland, OR
- 'Exquisite Corpse.' ASIFA-Colorado, Denver, CO. Original group project resulting in a 3-minute animation featuring some of Colorado's best animators.
- 2012 'Brutal Sun.' The REEL Thing, The Art Institute of Colorado, Denver, CO. Screened an original 2D animation co-created with ASIFA-Colorado colleague Andy Mason.
- 2011 'Extensors of the Forearm, Posterior Scapula and Brachial Anatomy.' Art in Education: Select Works of the Faculty & Staff Show at the Art Institute of Colorado Denver, CO.
- 'HD Net Movies Kid Scene Promo, ASIFA-Colorado.' Performed in this thirtysecond promotional spot about kids interacting with ASIFA-Colorado during the Starz Denver Film Festival which aired nationally on HD Net Movies.
- 2010 'Force Quit, But Never Surrender.' GI Joe Stop Motion Animation Film Festival, Bug Theater, Denver, CO
- 2009 "Circles of Confusion." 48 Hour Film Project, Denver, CO. Worked with a team of filmmakers to create an original film within two days
- 2007 'Stop the Madness: Student Films.' Erasers for Breakfast: 826NYC 2nd Annual Film Festival, Brooklyn Academy of Music, Brooklyn, NY. A screening of the student stop motion animations I edited during my three-week animation workshop with local youth.
- "i3 Japan; Faculty and Student Exhibit." The Art Institute of Colorado Educational Tour of Japan, Aurora, CO. Coordinated student work and exhibited six illustrations inspired by our impressions of Japan.
- 2002 'Mattes, Masks and Materials in 3Ds Max.' Association of Medical Illustrators Annual Meeting, Austin, TX
- 1998 'Color Issues in Design.' Association of Medical Illustrators Annual Meeting, Toronto, CAN

## International

- 2023 'From the Caribbean to the American Midwest: Developing Biomedical Visualization Teams for the Future of Healthcare,' Institute of Medical Illustrators Conference, Cardiff, Wales, UK (November 2023)  
'Introduction to Gravity Sketch VR,' Institute of Medical Illustrators Conference, Cardiff, Wales, UK (November 2023)

'Virtual Reality Field Trips for Lecture and Anatomical Review,' workshop for the International Veterinary Simulation in Teaching Conference, St. George's University School of Veterinary Medicine, Grenada

- 2022 'Teaching Green in Grenada: Repurposing for Educational Advancement,' InVeST Conference Poster by Corrigan, A., Pickens, M., Ivaldi, F., Price, C., Nahabedian, D., Simon, S.
- 2021 'What structures in the human body can claim the highest number of anatomical eponyms per cubic measurement?' (SGU Research Days poster design and illustration) Poster by Claudio Frank, Shenade Joseph, Robert Hage
- 'The Illustration Process,' Research Club Seminar, Anatomical Sciences, SGU-SOM
- 'Careers in Art and Science: Medical and Scientific Illustration,' Arts 205 SGU-SAS, Presentation with Fariyah Khan, Sue Simon, and Asher Mains
- 2020 'The face of your lecture - How to give your PowerPoint Presentations a facelift by integrating the core principles of design', The Association for Medical Education in Europe Pre-Conference Workshop by Sarah Gluschitz with Charles Price, David Nahabedian, Abstract Accepted (Postponed/Cancelled due to COVID-19)
- 2019-2020 '3D printing at the Center of BioMedical Visualization', Co-presented a workshop and virtual demonstration for the Dept. of Computers & Technologies, SGU: with Dr. K. S. Senthilkumar, David Nahabedian, Brandon Holt, Sarah Gluschitz
- 2019 '3D Scanning capabilities and its uses at St. George's University', Commonwealth Education Conference. Assisted the medical illustration faculty team at 'Technology Test Kitchen' to showcase our development of 3D printing and how it can enhance instruction in the classroom at St. George's University
- 'Profession of a Medical Illustrator', Assisted Sarah Gluschitz in a workshop for Westmorland Jr. School
- 'History of Medical Illustration', Co-presented with Sarah Gluschitz a lecture for Summer School Academy
- 'A Systematic Review of Aortic Branch Pattern Variants: Their Clinical Impact', The 19th Congress of the International Federation of Associations of Anatomists, Poster Presentation by Konstantinos Natsis, Marios Loukas, Maria Piagkou, and Nikolaos Lazaridis. ~48 Variation Illustrations contributed by Charles Price with Valerie Lentz, London, UK
- 2017 'The Medical Illustration Profession', St Joseph's Convent, with Xochitl Vinaja and Dr. Rachael George
- '3D Data Capture & Printing at SGU' Teaching with Technology Tuesdays, with Jessica Holland, Angelica Ortiz, Xochitl Vinaja. Also provided 3D Heart to SphereGen for their Hololens demonstration, Grenada
- 2018 'Photogrammetry, as Applied to the Equine Phalanges for 3D Printing', 32nd Congress of the European Association of Veterinary Anatomists Research Poster Presentation by Dr. Melania Crisan and Dr. Eugene Rennie, with Brandon Holt, David Nahabedian, Katie Yost, Xochitl Vinaja, in Hannover, Germany
- 'Accessible 3D Scanning Technology for 3D Printing in Your Classroom', The Association for Medical Education in Europe (AMEE) Digital Poster Presentation by David Nahabedian with Brandon Holt, Katie Yost, Melania Crisan, Xochitl Vinaja, David Nahabedian, & Jessica Holland. in Basel, Switzerland
- 2015 'ZBrush for Beginners,' International Anaplastology Association Annual Meeting, Denver, CO
- Digital sculpting methods workshop for international anaplastologist attendees. Also collaborated with Professor Juan Garcia of Johns Hopkins, Professor Amanda Behr of Augusta University and Paul Gaboury, 3D Product Development Manager at Pixologic, to model and 3D print a proof-of-concept eye prosthetic

### Scholarly Activity

#### Original, Published Peer Reviewed Articles: illustration and authorship contribution

- 2021 'The most commonly injured nerves at surgery: A comprehensive review.' Clinical Anatomy. 2021;34:244-262 Sharp E, Roberts M, Zurada-Zielinska A, et al. Illustrated by Jessica Holland with updated illustration insets by Charles Price
- 2018 'Anterior Thigh Flap Phalloplasty.' Clinical Anatomy v31:2, Mark Terrell, MD, Wallisa Roberts, MD, (Co-Author) Charles Wesley Price, MS, Justine Schober, MD. Cover and 5 inside illustrations of the Special Edition of Clinical Anatomy of Transgender Surgery (illustrator and co-author)

- 2016 'Anatomy of Trisomy 12.' *Clinical Anatomy* 29:633-637, Wallisa Roberts, Anna Zurada, Agnieszka Zurada-Zielinska, Jerzy Gielecki and Marios Loukas MD. Illustrated by Jessica Holland with additional inset illustration by Charles Price
- 2013 'Neurogenic Thoracic Outlet and Pectoralis Minor Syndromes in Children.' *Vascular and Endovascular Surgery* v47:5, Stephen Annest, MD, Richard Sanders, MD and Edward Goldson, MD. Inside illustrations
- 2009 'Lower Extremity Compartment Syndrome in the Acute Care Surgery Paradigm: Safety Lessons Learned.' *Patient Safety in Surgery* v3:11, Jeffrey L. Kashuk, Ernest E. Moore, Sarah Pinski, Jeffrey L. Johnson, John B. Moore, Steven Morgan, Clay C. Cothren, Wade Smith. Inside illustrations

#### Published Textbook Chapters: illustration contribution

- 2016 **Fischer's Mastery of Surgery 7th Edition**, ed. Josef Fischer (Wolters Kluwer Health)  
Chpt. 10: The Stomach and Duodenum, Chpt. 58: The Diaphragm, Chpt. 126: The pancreas. ~3 Illustrations
- Malignancies of the Groin: Surgical and Anatomic Considerations**, eds. Keith A. Delman and Viraj Master (Springer Publishing). Chpt. 13: Anatomy of the Groin, Granger, Andre, M.D. (et al.) ~4 illustrations
- Clinical Photographic Dissector of the Human Body, 2nd Edition** eds. Marios Loukas, PhD, MD, et al. (Elsevier Publishing). Layout, labeling, and ~800 orientation images in collaboration with Jessica Holland, Angelica Ortiz, Xochitl Vinaja, Katie Yost, David Nahabedian
- 2018 **Clinical Ultrasound Anatomy**, eds. Marios Loukas, PhD, MD, Danny Burns, PhD, MD, (Wolters Kluwer Publishing). ~175 illustrated plates in collaboration with Jessica Holland, Angelica Ortiz, Xochitl Vinaja, Katie Yost, David Nahabedian, Brandon Holt
- 2013 **Special Make-up Effects for Stage and Screen 2nd Edition**, ed. Todd Debreceni (Focal Press, New York). 3 illustrations
- 2009 **Diagnostic Imaging: Abdomen 2nd Edition**, eds. Michael P. Federle, MD, FACR, et al. (Amirsys Publishing, Salt Lake City, Utah). 20 illustrations
- 2007 **Diagnostic Imaging: Cardiovascular**, eds. Suhny Abbara, MD, et al. (Amirsys Publishing, Salt Lake City, Utah). 17 illustrations
- 2006 **Diagnostic Imaging: Obstetrics 2nd Edition**, eds. Paula J. Woodward, MD, et al. (Amirsys Publishing, Salt Lake City, Utah). 6 illustrations

#### Published Non-Print Educational Materials and other projects: creative contributions

- 2020-2023 'Gestational Diabetes Mellitus,' Creative Directorship and audio engineering support for group animation with Nicole Lekach, Sarah Glusnitz, Sue Simon, Claudia Cárceles Román, Lucia Garces, Dr. Francis McGill, Dr. Sasha Lake, Nyana Bhashar, Amrita Pandey, WIM Student Lead: Michele Liu, Community Advisors: Stephanie Lewis, Lydia Browne, Charisse Bristol
- 'Gender Roots: Justice, Art, and Medicine at St. George's University,' Creative Directorship for group animation by Sarah Glusnitz, Nicole Lekach, Lucia Garces, Farihah Khan, Matthew-Dean Argame with Sue Simon, Chandra Stafford, Robert Alig, Andrea Blair, Dr. Laura Colket, Dr. Tracy Penny Light
- 'Cervical Cancer in the Caribbean,' Creative Directorship for group animation by Claudia Cárceles Román, Nicole Lekach, Sarah Glusnitz, Claudia Cárceles Román, Lucia Garces, with Sue Simon, Dr. Francis McGill, Dr. Sasha Lake, Avi Bahadoor-Yetman, WIM Student Leads: Hanah Lee, Jade Lerner, Jasmine Custodio and Amrita Pandey.
- 'VR with a Purpose at SGU,' editor, special project marketing video
- Lung Tray Project**, Creative Directorship and DICOM segmentation support with Dr. James Coey, Assistant Dean of Basic Sciences, Northumbria University, and NHS, with David Nahabedian, Brandon Holt and Sue Simon.
- 'Auscultation Resource Center: Interactive Heart, Lung and Bruit Auscultation for Clinical Skills virtual lab sessions', wCreative Directorship and audio engineering support with Sarah Glusnitz, Lucia Garces, Stacy Price and Sue Simon, Faculty collaborators: Dr. Cyrus-Murden and Dr. Taylor-Drigo

'Breast Cancer Awareness: Animation for virtual education sessions, and GBN TV spot,' Creative Directorship for the Women in Medicine group, with Jack Nelson, Claudia Cárceles Román, Nicole Lekach. Faculty/ student collaborators: Dr. Frances McGill, Dr. Sasha Lake, Hanah Lee, Jasmin Custodio, Hira Rohail. Pan American Health Organization

'SGU's Anatomical Sciences Research Fellowship 2019 - 2020 Testimonials, Global Pandemic Edition', by Michael Montalbano and Charles Price, Video interview compilation of the successful experiences of nine recently matched Anatomical Sciences Research Fellows produced for the Office of Career Guidance to promote the benefits of the research fellowship to attract high quality applicants during remote times

- 2011 'Spinal Implant Prototype Presentation'. QjG, Inc., Broomfield, CO Completed preliminary UI/UX design on a hand held wireless device that interacts with a spinal implant to reduce pain. In March of 2011 the prototype was successfully demonstrated to the FDA
- 2002 'Acupuncture,' Dr. Narda G. Robinson, DO, DVM, MS, DABMA, FAAMA (Director, CSU Center for Comparative and Integrative Pain Medicine). Created animation for an interactive presentation on the anatomy associated with acupuncture theory for a teaching CD-ROM. Visible Productions, LLC. 'National Geographic: The Incredible Human Body.' Dir. Karen Goodman, Kirk Simon. Perf. P.J. Brown, Kate Burton, Donald Coffey. National Geographic. Member of a team of medical illustrators who were responsible for lighting, texturing and animating a 3D brain model from the Visible Human digital cadaver data set, with Visible Productions, LLC  
'Taut™ Inc. ADAPt™ Port System One Common Bile Duct Exploration Kit.' 3D animation with Visible Productions, LLC.
- 2001 'Interactive Regional Anesthesia.' Interactive CD-ROM 2nd Edition, Dr. Oscar Fernandez, MD. Harcourt Health Sciences. 10 illustrations
- 1998 Dynamic Human II, McGraw Hill. Engineering Animation Inc. Member, medical illustration and animation team [Award of Excellence, Association of Medical Illustrators Annual Salon]
- 1996 'Introduction to Looping: A 3-Dimensional Interactive Tutorial of the Developing Heart,' published within Embryo: CD Color Atlas for Developmental Biology, ed. Dr. Gary C. Schoenwolf (Prentice Hall, NJ). Graduate Thesis

#### Published Non-Peer Reviewed Articles

- 2021 'Sketchfab & The Center for BioMedical Visualization' Assisted author David Nahabedian in submitting an original article to the Sketchfab Science Spotlight blog (online)
- 2014 'Artopsy.' Birdy Magazine issue 1, Johnny DeStefano, Christy Thacker, et al. Created an anatomical, autopsy-themed logo using ZBrush for the magazine's section that 'dissects' featured artist's life and work

#### Published Video Games and Commercial Film

All titles below are credited Engineering Animation Inc., Ames, IA and Salt Lake City, UT, unless otherwise noted:

- 1999 'Dukes of Hazzard: Racing for Home', Sony PlayStation 1. Part of a team that delivered the original playable levels to the Electronic Entertainment Expo in Los Angeles, CA.  
'Field & Stream Trophy Hunting', PC CD-ROM. Sierra Sports. Member, game art production team  
'Championship Bass", PC CD-ROM. EA Sports. Member, game art production team  
'Animaniacs: Gigantic Adventure', PC CD-ROM. SouthPeak Interactive.  
Member, game art production team  
'Crazy Paint', PC CD-ROM. SouthPeak Interactive. Member, game art production team  
'K'nex: Lost Mines of K'nexor,' PC CD-ROM. K'nex Inc. Art lead, UI design and game art
- 1998 Blade. Dir. Stephen Norrington. Perf. Wesley Snipes, Stephen Dorf, Kris Kristofferson. New Line Cinema. Member of a team of medical illustrators who were responsible for creating several special effects shots of vampires bursting into ash, many scenes were included in the major motion picture release. (Uncredited)