



Curriculum Vitae

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

Instructor Level 5

Department of Anatomical Sciences

St. George's University School of Medicine
Grenada, West Indies

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13th April 2022

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 Training

2020-present Center for BioMedical Visualization - 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 Wes 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 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 who coined the phrase 'The mind cannot forget what the hands
 have learned'

2017-present Seminars and Lectures, 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, 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 Teaching with Technology Tuesdays (TwTT):
 'Using Augmented/Mixed Reality for Medical Education' Ted Dinsmore
 'All Or Nothing: Managing Our Own Technology Lifecycles' Phylise Banner, Learning Experience
 Designer
 'Exploring AR, VR & 3D Apps' Shereene Harford Twum Barimah

- 2016-present** Visiting Professors and Training - 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, California
 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, California
 '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

Academic Appointments

- 2016-present** Instructor, Department of Anatomical Sciences, St. George's University School of Medicine
 Facilitator in the gross anatomy wet lab for Biol460, BPM1, BPM2
 Instructor for Post Graduate Certification in Medical Education
- 2018-present** 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 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

Other Employment and Academic Appointments

2018-present Visiting Professor, Department of Scientific Illustration, University of Georgia
Visiting Professor, Medical Illustration Graduate Program, Augusta University

2010-2016 **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

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

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

2022 **Honorable Mention, CUGH-Pulitzer Center Video Competition, online. 'Cervical Cancer in the Caribbean'** with Sue Simon, Claudia Cárceles Román, Nicole Lekach, Sarah Glusnitz, Claudia Cárceles Román, 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'** with Sue Simon, Claudia Cárceles Román, Nicole Lekach, Sarah Glusnitz, Claudia Cárceles Román, 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

2018 **Award of Merit, Association of Medical Illustrators Salon, Boston, MA. 'Equine Phalanges: A Comparison of 3D Capture Methods'** with Dr. Melania Crisan, Jessica Holland, David Nahabedian, Katie Yost, Brandon Holt, Xochitl Vinaja to present a research infographic, and 3D-printed haptic display

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 Certification is a program endorsed by the AMI to encourage lifelong learning and to measure professional competency for those illustrators and clients who voluntarily desire such credentialing. Similar to specialty certification for physicians, the competency evaluation consists of a written test and a practicum.

Administrative Appointments

Administrative Responsibilities

2020-present 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, possibly into clinical medicine

Teaching Activities

Current Teaching Activities

2017-present 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

Additional Teaching Activities and Mentor Experience

2021-present 'Digital auscultation recording at the Grenda General Hospital Live recording of heart murmurs from patients' with Dr. Charlotte Taylor-Drigo. Mentees: Lucia Garces, Sarah Gluschitz

Basic Sciences Selectives Course Development

SCSK 570: Medical Animation Techniques for Patient Education Mentees: Jack Nelson, Sarah Gluschitz, Brandon Holt, Lucia Garces, Claudia Cárceles Román
SCSK 586: Visual Storytelling for Research Communication Mentee: Sarah Gluschitz
SCSK 587: 3D Visualization with DICOM Mentee: Brandon Holt and David Nahabedian

2020-present 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-present 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 Gluschitz, 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

University/School Committees

- 2021-present Academic Resources Sub Committee, Member
Committee for Technology-based Teaching & Learning, Member
Basic Sciences Curriculum Committee, Guest
- 2017-present DLA Focus Group, Co-Chair
Institutional Learning Focus Group Committee, Member

Professional Societies: Memberships

- 2018-present Professional Member, American Association of Clinical Anatomists AACA
1996-present Professional Member, Association of Medical Illustrators AMI
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

- 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 /Lectures

Regional/Local

- 2021 'What structures in the human body can claim the highest number of anatomical eponyms per cubic measurement?' (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, with Fariyah Khan and Sue Simon, Asher Mains

'Cervical Cancer in the Caribbean,' Group animation by Claudia Cárceles Román, Nicole Lekach, Sarah Glusnitz, Claudia Cárceles Román, Lucia Garces, with Sue Simon, Dr. Sasha Lake, Dr. Francis McGill, Dr. Sasha Lake, Avi Bahadoor-Yetman, WIM Student Leads: Hanah Lee, Jade Lerner, Jasmine Custodio and Amrita Pandey. Women in Medicine Virtual Seminars

- 2020 'Teaching Green in Grenada: Repurposing for Educational Advancement,' InVeST Conference. by Corrigan, A., Pickens, M., Ivaldi, F., Price, C., Nahabedian, D., Simon, S. Poster Abstract Accepted (Postponed 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 Glusnitz
- 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
- 2017 'Profession of a Medical Illustrator', Assisted Sarah Glusnitz in a workshop for Westmorland Jr. School
- 2017 'History of Medical Illustration', Co-presented with Sarah Glusnitz a lecture for Summer School Academy
- 2017 'The Medical Illustration Profession', St Joseph's Convent, with Xochitl Vinaja and Dr. Rachael George
- 2017 '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

National

- 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
- 2018 Association of Medical Illustrators Annual Meeting, Newton, MA
- 'Zed for your Head: ZBrush Workflows for Didactic Illustration', Workshop Presentation
 - 'Spiders from Space: Processing Scan Data from Artec Studio in ZBrush', Tech Showcase
- 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
- 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.
- 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

- 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 Glusnitz with Charles Price, David Nahabedian, Abstract Accepted (Postponed/Cancelled due to COVID-19)

- 2019 '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
- 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 taught to 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, 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, Jeffry 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 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

2021 'VR with a Purpose at SGU,' editor, special project marketing video

2020-present 'Gender Roots: Justice, Art, and Medicine at St. George's University,' Group 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

'Cervical Cancer in the Caribbean,' Group animation by Claudia Cárceles Román, Nicole Lekach, Sarah Glusnitz, Claudia Cárceles Román, Lucia Garces, with Sue Simon, Dr. Sasha Lake, Dr. Francis McGill, Dr. Sasha Lake, Avi Bahadoor-Yetman, WIM Student Leads: Hanah Lee, Jade Lerner, Jasmine Custodio and Amrita Pandey.

Lung Tray Project, with Dr. James Coey, Assistant Dean of Basic Sciences, Northumbria University, and NHS, with David Nahabedian, Brandon Holt and Sue Simon. (in progress)

'Auscultation Resource Center: Interactive Heart, Lung and Bruit Auscultation for Clinical Skills virtual lab sessions', with Sarah Glusnitz, Lucia Garces, Stacy Price and Sue Simon, Faculty collaborators: Dr. Cyrus-Murden and Dr. Taylor-Drigo, Clinical Skills, (currently hosted on Adobe.com)

'Cervical Cancer in the Caribbean,' Group animation by Claudia Cárceles Román, Nicole Lekach, Sarah Glusnitz, Claudia Cárceles Román, Lucia Garces, with Sue Simon, Dr. Sasha Lake, Dr. Francis McGill, Dr. Sasha Lake, Avi Bahadoor-Yetman, WIM Student Leads: Hanah Lee, Jade Lerner, Jasmine Custodio and Amrita Pandey. Pan American Health Organization (in-progress)

'Breast Cancer Awareness: Animation for virtual education sessions, and GBN TV spot,' for the Women in Medicine group, with Charles Price, 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 (in-progress)

'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.' Visible Productions, LLC. 3D animation

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 (in press)
- 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)