

Curriculum Vitae

Department of Biomedical Sciences
University of South Alabama
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Medical College of Virginia/Virginia Commonwealth University, Ph.D. Pathology	1993
University of Akron, M.S. Biology	1985
University of Akron, B.S. Medical Technology (B.S.M.T.)	1983

Associate Professor: University of South Alabama, Dept. of Biomedical Sciences 2016 - Present

Courses taught:

- BMD 210 - Microbiology in Healthcare
- BMD 210L - Microbiology in Healthcare Lab
- BMD 251 - Human Anatomy & Physiology I
- BMD 252 - Human Anatomy & Physiology II
- BMD 494 - Directed Research Studies
- BMD 499 - Honors Research Thesis
- PT 499 - Senior Honors Project
- UGR 291/391 - Research: Healthcare-Associated Infections

Assistant Professor: University of South Alabama, Dept. of Biomedical Sciences

Courses taught: x

- CLS 496 - Comprehensive Examination Review
- CLS 499 -

2019-2020

- Mentor: Katelyn Rogers, Department of Biomedical Sciences. Thesis: A Novel Assay for Testing Biocide-Treated Fabric for Antibacterial Properties.

2017-2018

- Co-mentor (w/ Sumit Arora): Zohaib Ijaz, Department of Biomedical Sciences
Thesis: Green Synthesis of Silver Nanoparticles Using

2013-2014

- Alyssa Stagner, Department of Biomedical Sciences
- Justin Jong, Department of Biomedical Sciences/Department of Physiology (COM)

2012-2013

- Umair Savani, Department of Biomedical Sciences
- Kathleen Strunk, Department of Biomedical Sciences
- Allia Grace G. Martinez, Department of Biomedical Sciences/Department of Microbiology and Immunology (COM)

2019-2022

- Committee Member for Michael Russel. Master's Thesis: "Visualizing Muscle Assembly and Function in ". Department of Biology, BLY 599 (Major Advisor: Dr. Ryan Littlefield).

1. Brock, C. W., Mehta, D. V., (2024). Orthotic Thermoplastic Demonstrates a Similar Contamination Potential with Bacillus Bacteria Recovered from Thermoplastic Radiation Therapy Patient Masks. (Special Issue: Feature Papers) 2024 3,

9. , Bru SE, Brewer PS, Tyler S. Persistence of *Aspergillus fumigatus* Fungal Spores Seeded onto Four Different Radiation Therapy Thermoplastic Immobilization Devices. Spring 2020;29(1):16-27.
10. , Brewer PS, Bru SE, Tyler S. Sampling of Patient Radiation Therapy Thermoplastic Immobilization Forms Reveals Several Types of Attached Bacteria. 2020;51:117-127.
11. Ravine TJ.

4.

15. . Vavrinek A, Stevens T, Ravine T, Renema P.
Undergraduate Research Symposium, University of South Alabama, Mobile, AL, October 2022.
16. Howell MA. Ravine TJ, Yuan Q. Undergraduate Research
Symposium, University of South Alabama, Mobile, AL, October 2021.
17. Fay AE, Ravine TJ. Undergraduate Research
Symposium, University of South Alabama, Mobile, AL, October 2021.
18. Fay AE, Eggers MH, Ravine TJ. Undergraduate
Research Symposium, University of South Alabama, Mobile, AL, October 2021.
19. Rogers,
KN, Ravine TJ. Undergraduate Research Symposium, University of South Alabama, Mobile,
AL,

checks, writing content, review of new and/or revised textbook chapters & laboratory manuals, and interactive web-based instruction (WBI) materials. The latter is performed in support of Pearson Educations' Mastering A&P and Mastering Microbiology learning management sites. Work efforts involve Interactive Physiology (IP) 2.0 and Interactive Labs for Microbiology. Examples include review of alpha/beta module storyboard analysis, question writing, and dynamic learning module development. Developed questions in support of "In the Clinic" videos and "Why This Matters" and Making Connections" units for Marieb & Hoehn, Human Anatomy & Physiology textbook, 10/11 eds and associated laboratory manual. Reviewed/edited "In Focus" in-depth concept figures seen in most chapters of this textbook. Authored the first eGlossary for Marieb & Hoehn, Human Anatomy & Physiology textbook, 12th edition.

2. McGraw-Hill (2014-2017)

- Developmental Review Panel (Autonomic Nervous System, Endocrine System, Lymphatic System and Immunity) of VanPutte, Regan, & Russo: 11th ed, May 2017.
- Review of LearnSmart Labs "Endocrine Structure and Function", "Digestive System", "Respiratory System" modules, June - July 2014.

3. John Wiley & Company (2004-2014)

- Virtual Focus Group Wiley Learning Space: Anatomy & Physiology, Wiley Publishing, May 2014.
- Technology Focus Group, WileyPLUS 5.0 web-based learning platform, Wiley Publishing, November 2010.
- Chapter reviews (five) for Totora & Derrickson, ed., November 2009. , 13th
- Chapter reviews (five) for new Human Anatomy & Physiology textbook, 2004.

4. Others (2008-2012)

- Textbook review of "Microbiology" in
by Wojciechowski, 5th ed., Cengage Health Care, 2012.
- Tuberculosis (TB) Case Study Review - National Tuberculosis Curriculum Consortium (NTCC), National Heart, Lung and Blood Institute of NIH, 2008.
- CAHP Biosafety Committee Newsletter (published each term).
- CAHP Research Newsletter (semi-annual)
- American Society for Microbiology (ASM)
- Equipment & Compliance Committee, 2019-Present.
- Recruitment & Marketing Committee (Chairperson), 2019
- Promotion & Tenure Committee, Biomedical Sciences, 2018-Present
- Promotion & Tenure Committee (Cardiorespiratory Care, Physical Therapy, & Radiologic Sciences Departments), 2017

- Biomedical Sciences, University Honor's Research Committee Member, 2011-Present
- Biomedical Sciences, New Student Advising/Registration, 2010-2019
- Biomedical Sciences, Faculty Search Committee (as required), 2010-Present
- Biomedical Sciences, Curriculum Development Committee (as required), 2010-Present
- Clinical Laboratory Sciences, Student Advising, 2002-2009.
- Clinical Laboratory Sciences, Southbound Orientation, 2002-2009.
- Clinical Laboratory Sciences, Curriculum Development Committee, 2002-2009.
- Clinical Laboratory Sciences, Admissions Committee, 2002-2009.
- Clinical Laboratory Sciences, Faculty Search Committee, 2003-2009.

- College of Allied Health Professions Research Committee, 2022-Present.
- College of Allied Health Professions Research and Scholarly Activities Task Force, 2020 – 2022.
- Biosafety Officer, Pat Capps Covey College of Allied Health Professions, 2006-Present.
- Biosafety Committee (Co-chair), Pat Capps Covey College of Allied Health Professions, 2020- Present.
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- Hematocrit presentation/wet lab. - EYH Conference, University of South Alabama, October 22, 2005.
- Antibiotic resistance presentation/interactive demo. EYH Conference, University of South Alabama, October 28, 2006
- Regional State Science Olympiad at USA - Judge/Official scorekeeper, 2007.
- USA Upward Bound Program - Clinical Laboratory Sciences Workshop Host, 2004.
- Odyssey USA Program - Invited presenter for Sickle Cell Disease, 2003