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Brian Thomas Garibaldi, MD MEHP

CONTACT INFORMATION

Business Address:
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EDUCATION

College
1999 BA, Anthropology, Harvard College, Cambridge, MA

Medical School
2004 MD, Johns Hopkins University School of Medicine, Baltimore, MD

Graduate School
2018 Master of Education in the Health Professions (MEHP), Johns Hopkins University School of Education, Baltimore, MD
2018 Post-Masters Certificate in Evidence-Based Teaching, Johns Hopkins University School of Education, Baltimore, MD

POSTGRADUATE TRAINING

2004-2005 Internship in Department of Medicine, Johns Hopkins University School of Medicine, Baltimore, MD
2005-2007 Resident in Department of Medicine, Johns Hopkins University School of Medicine, Baltimore, MD
2007-2008 Post-Doctoral Fellow, Division of Pulmonary and Critical Care Medicine, Johns Hopkins University School of Medicine, Baltimore, MD
2008-2009 Assistant Chief of Service (Chief Resident), The Longcope Firm, Johns Hopkins University School of Medicine, Baltimore, MD
2009-2012 Post-Doctoral Fellow, Division of Pulmonary and Critical Care Medicine, Johns Hopkins University School of Medicine, Baltimore, MD
Primary Mentor: Landon S. King, MD
2011 Johns Hopkins Faculty Development Program in Teaching Skills, Bayview Hospital, Baltimore, MD

CERTIFICATIONS

2007-2027 Board Certified, Internal Medicine – participating in MOC
2012-present Board Certified, Pulmonary Medicine (currently doing annual longitudinal knowledge assessments) - participating in MOC
2013-present Board Certified, Critical Care Medicine (currently doing annual longitudinal knowledge assessments) - participating in MOC

PROFESSIONAL LICENSES

2007-present Maryland State Medical License, D0066256
2012-present DEA Registration FG063192
2012-present Maryland Controlled Dangerous Substances M64895
2024-present Illinois Medical License 036.171042

2024-present Illinois Controlled Dangerous Substances 336.126431

ACADEMIC APPOINTMENTS

2012-2013 Instructor in Medicine, Division of Pulmonary and Critical Care Medicine, Johns Hopkins
2013-2014 Director, Genes to Society Curriculum, Perdana University Graduate School of Medicine, Selangor, Malaysia
2013-2014 Assistant Clerkship Director, Perdana University Graduate School of Medicine, Selangor, Malaysia
2013-2018 Assistant Professor of Medicine, Division of Pulmonary and Critical Care Medicine, Johns Hopkins
2016-2018 Assistant Professor of Physiology, Johns Hopkins
2017-2021 President, Society of Bedside Medicine
2020-2021 Associate Professor of Health Sciences Informatics, Johns Hopkins
2020-2023 Clinical Lead, [Johns Hopkins Coronavirus Resource Center](#)
2018-2023 Associate Professor of Medicine and Physiology, Division of Pulmonary and Critical Care Medicine, Johns Hopkins
2016-2024 Associate Program Director for Bedside Medicine, Osler Medical Housestaff Training Program, Johns Hopkins
2017-2024 Co-lead, Education Core, Johns Hopkins Center for Diagnostic Excellence, Armstrong Institute for Patient Safety and Quality
2020-2024 Director, Johns Hopkins [COVID-19 Precision Medicine Center of Excellence](#)
2023-2024 Director, [Johns Hopkins Special Pathogens Center](#)
2023-2024 Professor of Medicine and Physiology, Division of Pulmonary and Critical Care Medicine, Johns Hopkins
2024-present Professor of Medicine, Division of Pulmonary and Critical Care Medicine, Northwestern University
2024-present Charles Horace Mayo Professor of Medicine, Northwestern University

HOSPITAL / CLINIC APPOINTMENTS

2012-2024 Attending Physician, The Johns Hopkins Hospital
2012-2020 Attending Physician, The Johns Hopkins Interstitial Lung Disease Clinic
2017-2024 Medical Director, [Johns Hopkins Biocontainment Unit](#)
2024-present Attending Physician, Northwestern Medical Group

OTHER POSITIONS / EMPLOYMENT (optional)

2017-present Founding Board Member, [Society of Bedside Medicine](#)
2018-present Member, Pulmonary-Allergy Drugs Advisory Committee (PADAC) of the Food and Drug Administration (FDA)
2025-present Regional Adviser to the Midwestern States of the USA, Royal College of Physicians of Edinburgh.

HONORS AND AWARDS

A. Elected Society Memberships

2016-present Fellow, New York Academy of Medicine
2017-present Board Member, Society of Bedside Medicine
2017-present Fellow, American College of Physicians
2018-present Fellow, Royal College of Physicians of Edinburgh
2022-present Member, The Cosmos Club
2023-present Member, The American Osler Society

B. International/National/Regional

International

2024 JMJ Subramaniam Medal, Royal College of Physicians of Edinburgh, Scotland

National

1999 *Phi Beta Kappa*, Harvard College, Cambridge, MA
2004 *Alpha Omega Alpha*, Johns Hopkins University School of Medicine, Baltimore, MD
2009 Interventional Bronchology Case Report Award, CHEST, Philadelphia, PA
2010 Ruth L. Kirschstein National Research Service Award (NRSA)
2011 American Thoracic Society Travel Award, Denver, CO
2011 NIH Loan Repayment Award
2011 Respiratory Disease Young Investigators' Forum Grant for best basic science presentation, Atlanta, GA
2012 American Thoracic Society Travel Award, San Francisco, CA
2012 Pittsburgh International Lung Conference Travel Award and Judges Award, Pittsburgh, PA
2016 Jeremiah A. Barondess Fellowship in the Clinical Transaction awarded jointly by the Accreditation Council for Graduate Medical Education (ACGME) and the New York Academy of Medicine (NYAM)
2017 American Board of Medical Specialties Visiting Scholar Award
2020 Member, Medical team for President Trump when he had COVID-19, White House/Walter Reed
2021 NIH Loan Repayment Award

Regional

1995 Thomas Hunter Memorial Award, Hunter College High School, New York, NY
1995 Valedictorian, Hunter College High School, New York, NY
2015 Maryland Hospital Association Distinguished Service Award, accepted on behalf of the Ebola Preparedness Team at the Johns Hopkins Hospital
2021 COVID-19 Hero, 2021 Health Care Heroes, The Daily Record, Annapolis, Maryland

C. University

1999 Summa cum laude, Harvard College, Cambridge, MA
1999 John Finley Traveling Fellowship (studied flamenco guitar in Spain for 1 year before medical school), Harvard College, Cambridge, MA
2004 Longcope Award for outstanding graduating internal medicine student, JHUSOM
2007 Daniel Baker Award for resident most exemplifying the ideals of the Osler Medical Service, Johns Hopkins
2012 W. Leigh Thompson Excellence in Research Award, JHUSOM Research Retreat
2016 Berkheimer Faculty Education Scholar Grant, Johns Hopkins Institute for Excellence in Education (IEE)
2016 Lisa J. Heiser Award for Junior Faculty Contribution in Education, Johns Hopkins IEE
2018 Educational Program Award, Johns Hopkins IEE
2018 Selected as "Living the Hopkins Mission" honoree for the 125th Anniversary of the Johns Hopkins School of Medicine
2018 Douglas Carroll, MD Scholar, Johns Hopkins Center for Innovative Medicine
2020 Member, Miller-Coulson Academy of Clinical Excellence, Johns Hopkins
2021 Clinical Excellence Award for Innovations in Clinical Care, The Johns Hopkins Hospital
2021 Distinguished Alumnus Award, Johns Hopkins University
2024 Charles Horace Mayo Professor of Medicine, Northwestern University Feinberg School of Medicine

INTERNAL INSTITUTIONAL SERVICE (Committees, Councils, Task Forces)

A. University

2022	Thesis Committee - Kayte Andersen, PhD, Epidemiology, Use Beyond the Evidence Base: An Evaluation of Pharmacotherapy During COVID-19, committee member
2023	Thesis Committee - Lauren Sauer, PhD, Epidemiology, committee member
2020-2023	Member, Johns Hopkins University COVID-19 Board Update Group

B. School

2013-2014	Admissions Committee Member, Perdana University Graduate School of Medicine, Malaysia
2013-2014	Information, Computing and Telecommunications (ICT) Committee member, Perdana University Graduate School of Medicine
2014-2015	Co-Chair – Genes to Society Working Group on Pedagogy, Johns Hopkins
2015-2024	Founding member, Ombuds Office (now called the MILES Committee), Johns Hopkins
2015-2020	Member, Educational Policy and Curriculum Committee, Johns Hopkins
2015-2020	Member, Clinical Skills and Clerkship Director Committee, Johns Hopkins
2020-2023	Member, COVID-19 Scarce Resources Committee, Johns Hopkins
2018-2024	Member, Advisory Committee, Johns Hopkins Center for Innovative Medicine (CIM)
2018-2024	Member, Selection Committee, Johns Hopkins Institute for Excellence in Education Berkheimer Faculty Scholar Award
2020-2024	Member, COVID-19 Therapeutic Pilot Studies Review Committee, Johns Hopkins
2020-2024	Member, COVID-19 Therapeutic Guidance Committee, Johns Hopkins
2020-2022	Member, COVID-19 and Data Research Evaluation (CADRE) Committee, Johns Hopkins
2020-2022	Member, Data safety and monitoring board (DSMB) for local Johns Hopkins COVID-19 pilot studies
2020-2023	Clinical Lead, Johns Hopkins COVID-19 Clinical Resource Center

C. Department

2008-2023	Intern-selection committee member for the Osler Internal Medicine Residency Program, Johns Hopkins
2010-2013	Pulmonary Division Curriculum Committee Member, Johns Hopkins
2012-2013	Education Committee Member, Department of Medicine, Johns Hopkins
2014-2019	Clinical Competency Committee – Division of Pulmonary and Critical Care, Johns Hopkins
2014-2024	Clinical Competency Committee – Osler Medical Residency Program, Johns Hopkins
2014-2016	Chair – Department of Medicine Office of Education Clinical Skills Working Group, Johns Hopkins

D. Hospital

2008-2009	Collaborative Practice Committee Member, Johns Hopkins
2015-2020	Co-Chair, Biocontainment Unit Drill and Preparedness Committee, Johns Hopkins
2016-2024	Member, Incident Command Center, Johns Hopkins

PROFESSIONAL SOCIETY MEMBERSHIP

2004-2010; 2024 - present	American Medical Association
2007-present	American Thoracic Society
2007-2018	American College of Chest Physicians
2007-2010	Society of Critical Care Medicine
2011-2013	American Heart Association
2016-2017	American Society of Microbiology
2016-present	New York Academy of Medicine, Fellow
2017-present	American College of Physicians, Fellow
2017-present	Society of Bedside Medicine, founder, past-president, Board of Directors
2018-present	Royal College of Physicians of Edinburgh, Fellow

2023-present

The American Osler Society

EXTERNAL PROFESSIONAL LEADERSHIP AND SERVICE

2015-2017 Steering Committee Member; Health and Human Services (HHS) Region 3 Ebola and Special Pathogens Preparedness Committee; Helped to formulate the HHS Region 3 Concept of Operations (CONOPS) for Ebola and other special pathogens preparedness

2015-2017 Steering Committee Member; Maryland State Ebola and Special Pathogens Preparedness Committee; Helped to formulate the Maryland State Concept of Operations (CONOPS) for Ebola and other special pathogens preparedness

2016-2024 Health Care Coalition (HCC) Emerging Infectious Diseases (EID) Exercise Workgroup; Help to organize statewide preparedness drills for Ebola and other special pathogens

2017 External Advisory Group: Health Sector Resilience Checklist for Highly Infectious Diseases. Center for Health Securities. Baltimore, MD

2017 High Consequence Infectious Disease (HCID) Ambulance Team Advisory Council. Maryland Department of Health (MDH) and *Maryland Institute for Emergency Medical Services Systems*

2017-present Board Member, Society of Bedside Medicine

2017-2021 Co-president, Society of Bedside Medicine

2018-present Member, FDA Pulmonary-Allergy Drug Advisory Committee (PADAC)

2018-2021 Member, Advisory Board for the International Conference of Education, Research and Innovation (ICERI), Seville, Spain

2018-2020 Member, Visiting Scholars Selection Committee, American Board of Medical Specialties

2018- present Member, Jeremiah A. Barondess Fellowship Selection Committee, New York Academy of Medicine and ACGME

2020-2023 Steering Committee Member, Consortium of HCA Healthcare and Academia for Research Generation (CHARGE)

2020-present Member, Learning Environment Strategies Group, American Medical Association

2021-2022 Member, Medical Research Future Fund (MRFF) – Coronavirus Research Response – 2021 COVID-19 Health Impacts and Vaccination Schedules - Grant Assessment Committee (GAC), Australian [National Health and Medical Research Council \(NHMRC\)](#)

2021-2024 National Special Pathogens System Core Advisory Group

2022-present Member, Selection Committee for the Building Trust and Equity in Internal Medicine Training grant program, jointly sponsored by the American Board of Internal Medicine, the ABIM Foundation, the Alliance for Academic Internal Medicine (AAIM), the American College of Physicians (ACP), the Gordon and Betty Moore Foundation, and the Josiah Macy Jr. Foundation.

2023 Member, American Medical Association (AMA) Council on MedEd Stakeholders Forum

SCIENTIFIC AND MEDICAL ADVISORY BOARDS

2022-2023 Advisory Board on COVID-19 Therapeutics, Gilead

2022-present Scientific Advisory Board, ARIScience

EDITORSHIPS / EDITORIAL BOARD SERVICE

2015-2016 Oakstone Critical Care Reviews, Lead Editor for Chest section; Organized and edited monthly audio reviews for practicing pulmonologists.

MANUSCRIPT REVIEW RESPONSIBILITIES

2007 Reviewer, Journal of General Internal Medicine

2010-2016 Reviewer, Practical Reviews in Critical Care

2010-present Reviewer, Journal of Hospital Medicine

2012-2015	Reviewer, American Journal of Physiology, Lung Cellular and Molecular Physiology
2013-2015	Reviewer, Journal of Bronchology and Interventional Pulmonology
2013	Reviewer, Journal of Critical Care
2013-present	Reviewer, PLOS ONE
2014	Reviewer, Journal of Infection
2014-present	Reviewer, American Journal of Medicine
2014	Reviewer, Transplant Infectious Disease
2015-present	Reviewer, Annals of the American Thoracic Society
2015-present	Reviewer, Health Security
2020-present	Reviewer, New England Journal of Medicine
2020-present	Reviewer, Journal of the American Informatics Association
2021-present	Reviewer, The Medical Journal of Australia
2024-present	Reviewer, CHEST Pulmonary

GRANT REVIEW RESPONSIBILITIES

2018- present	Member, Jeremiah A. Barondess Fellowship Selection Committee, New York Academy of Medicine and ACGME
2018-2024	Member, Selection Committee, Johns Hopkins Institute for Excellence in Education Berkheimer Faculty Scholar Award
2021-2022	Member, Medical Research Future Fund (MRFF) – Coronavirus Research Response – 2021 COVID-19 Health Impacts and Vaccination Schedules - Grant Assessment Committee (GAC), Australian National Health and Medical Research Council (NHMRC)
2021-present	Director, Society of Bedside Medicine Bedside Scholars Program
2022-present	Member, Selection Committee for the Building Trust and Equity in Internal Medicine Training grant program, jointly sponsored by the American Board of Internal Medicine, the ABIM Foundation, the Alliance for Academic Internal Medicine (AAIM), the American College of Physicians (ACP), the Gordon and Betty Moore Foundation, and the Josiah Macy Jr. Foundation.

GRANTS AND SPONSORED AWARDS

A. Current

Agency: Gordon and Betty Moore Foundation

ID#: Diagnostic Excellence Initiative

Title: Society of Bedside Medicine Fellowship Program

Principal Investigator: Brian T. Garibaldi, MD

Percent effort: 5%

Direct costs per year: \$160,000

Total costs for project period: \$800,000

Project period: 07/01/21-6/30/28

This grant was awarded by the Gordon and Betty Moore Foundation, in partnership with the Society of Bedside Medicine, to create a bedside medicine fellows program. The grant will support 2 bedside fellows per year for each of the next 6 years. Fellows will engage in bedside medicine projects at their home institution and receive mentorship and support from the Society of Bedside Medicine. The overarching goal is to enrich a community of clinician educators dedicated to education, innovation and research on the role of the clinical encounter in 21st century medicine.

B. Past

Agency: American Medical Association
ID#: Reimagining Residency Initiative
Title: The Graduate Medical Education Laboratory
Principal Investigator: Brian T. Garibaldi, MD
Percent effort: 15%
Direct costs per year: \$360,000
Total costs for project period: \$1,800,000
Project period: 08/01/19-8/31/24

This grant is one of 8 awarded as part of the AMA's Reimagining Residency initiative. The goal of our project is to explore the relationship of modifiable factors in the training environment with the primary outcome of wellness/burnout, and the secondary outcome of clinical skill. This grant is a partnership with the internal medicine residency programs at The Johns Hopkins Hospital, Johns Hopkins Bayview Medical Center, Stanford University and the University of Alabama at Birmingham.

Agency: Administration for Strategic Preparedness and Response, Department of Health and Human Services
ID#: Regional Emerging Special Pathogen Treatment Center (RESPTC)
Title: The Johns Hopkins RESPTC
Principal Investigator: Brian T. Garibaldi, MD
Percent effort: 30%
Direct costs per year: \$1,200,000
Total costs for project period: \$6,000,000
Project period: 10/1/22-9/30/27

The goal of this proposal is to continue to enhance the capabilities of the Johns Hopkins Hospital as the Ebola and Other Special Pathogen Treatment Center for Region 3 of the United States. This is a joint grant awarded to the Maryland State Department of Health and The Johns Hopkins Hospital. The grant will fund equipment and supplies needed to maintain the infrastructure of the Johns Hopkins Biocontainment Unit and will also fund ongoing training and preparedness activities.

Agency: Administration for Strategic Preparedness and Response, Department of Health and Human Services
ID#:
Title: National Emerging Infectious Diseases Training and Education Center (NETEC) Supplement
Principal Investigator: Brian T. Garibaldi, MD
Percent effort: 2.5%
Direct costs per year: \$250,000
Total costs for project period: \$250,000
Project period: 7/1/23-6/30/24

The goal of this proposal is to partner with the National Emerging Infectious Diseases Training and Education Center (NETEC) to assist with 1) the development and review of expert educational content and assessment metrics, and identification and translation of best practices related to emerging infectious diseases (EID) preparedness, 2) provide subject matter experts to assist with NETEC activities and to assess EID programs nationally, and 3) participate in the Special Pathogen Research Network (SPRN).

Agency: Johns Hopkins Center for Innovative Medicine
ID#:
Title: Douglas Carroll Scholars Award
Principal Investigator: Brian T. Garibaldi, MD
Percent effort: 5%
Direct costs per year: \$50,000
Total costs for project period: \$400,000

Project Period: 7/1/18-6/30/25

This award was created through a generous gift by Susan and Steven Immelt in honor of Susan's father Douglas Carroll. Dr. Carroll was a physician at City Hospital who was renowned for his bedside clinical skill. The award will support the expansion of the PI's clinical skills curriculum in the Osler Medical Residency Program to the Bayview Medical Residency Program. It will specifically help to incorporate point-of-care ultrasound (POCUS) into the bedside program, as well as fund the development and validation of a novel bedside clinical skills assessment program.

Agency: Johns Hopkins inHealth and Johns Hopkins University Office of the Provost

ID#:

Title: Racial Disparities in Pulse Oximetry

Principal Investigator: Brian T. Garibaldi, MD

Percent effort: 5%

Direct costs per year: \$50,000

Total costs for project period: \$100,000

Project Period: 7/1/2022-6/30/24

This project examines racial disparities in pulse oximetry using data from the JH-CROWN Registry and HCA Healthcare. We are able to match arterial blood gas analyses with recorded pulse oximeter measurements and have shown that pulse oximeters underestimate hypoxemia in under-represented minorities. During COVID-19 this led to a delay in recognition of eligibility for COVID-19 therapies among under-represented minorities, decreased the likelihood of receiving COVID therapeutics and was associated with an increased risk of readmission independent of race. Using colorimetry we have also shown that this inaccuracy is directly related to the darkness of the skin. This research has informed FDA policies on pulse oximeter testing and approval and has raised awareness about technology-based biases in healthcare.

Agency: Food and Drug Administration (FDA)

ID#:

Title: CURE-ID

Principal Investigator: Matthew Robinson, MD

Role on project: Co-I

Percent effort: 5%

Direct costs per year: \$450,000

Total costs for project period: \$900,000

Project Period: 5/1/21-6/30/2023

The goal of this proposal is to develop a mechanism to convert electronic health record data from any health system into a common data language in order to create a large data repository of drugs prescribed in hospitals across the United States. This data repository can then be used to conduct research on the potential therapeutics of commonly prescribed drugs for off-label indications.

Agency: Administration for Strategic Preparedness and Response (ASPR)

ID#:

Title: National Emerging Infectious Diseases Training and Education Center (NETEC) Supplement

Principal Investigator: Brian T. Garibaldi, MD

Percent effort: 2.5%

Direct costs per year: \$250,000

Total costs for project period: \$250,000

Project Period: 7/1/22-6/30/23

The goal of this proposal is to partner with the National Emerging Infectious Diseases Training and Education Center (NETEC) to assist with 1) the development and review of expert educational content and assessment metrics, and identification and translation of best practices related to emerging infectious diseases (EID) preparedness, 2) provide subject matter experts to assist with NETEC activities and to assess EID programs nationally, and 3) participate in the Special Pathogen Research Network (SPRN).

Agency: Administration for Strategic Preparedness and Response (ASPR)

ID#:

Title: Regional Ebola and Other Special Pathogen Treatment Center

Principal Investigator: Brian T. Garibaldi, MD (Co-PI with Lisa Maragakis)

Percent effort: 30%

Direct costs per year: \$522,000

Total costs for project period: \$1,044,000

Project Period: 7/1/20-6/30/22

The goal of this proposal is to continue to enhance the capabilities of the Johns Hopkins Hospital as the Ebola and Other Special Pathogen Treatment Center for Region 3 of the United States. This is a joint grant awarded to the Maryland State Department of Health and The Johns Hopkins Hospital. The grant will fund equipment and supplies needed to maintain the infrastructure of the Johns Hopkins Biocontainment Unit and will also fund ongoing training and preparedness activities.

Agency: Administration for Strategic Preparedness and Response (ASPR)

ID#:

Title: COVID19 Administrative Supplement for HHS Region 3 Treatment Center

Principal Investigator: Brian T. Garibaldi, MD

Percent effort: 6%

Direct costs per year: \$292,500

Total costs for project period: \$585,000

Project Period: 7/1/20-6/30/22

The goal of this proposal is to support COVID 19 Preparedness and Response activities at the local, state, and regional level through educational and operational support. This is a joint grant awarded to the Maryland State Department of Health and The Johns Hopkins Hospital. The grant will fund time and effort to develop educational materials and training capacity as well as strengthen operational and clinical readiness for COVID-19 patient care.

Agency: Administration for Strategic Preparedness and Response (ASPR)

ID#:

Title: National Emerging Infectious Diseases Training and Education Center (NETEC) Supplement

Principal Investigator: Brian T. Garibaldi, MD

Percent effort: 2.5%

Direct costs per year: \$210,000

Total costs for project period: \$420,000

Project Period: 7/1/20-6/30/22

The goal of this proposal is to partner with the National Emerging Infectious Diseases Training and Education Center (NETEC) to assist with 1) the development and review of expert educational content and assessment metrics, and identification and translation of best practices related to emerging infectious diseases (EID) preparedness, 2) provide subject matter experts to assist with NETEC activities and to assess EID programs nationally, and 3) participate in the Special Pathogen Research Network (SPRN).

Agency: John Templeton Foundation

ID#:

Title: COVID-19 Precision Medicine Excellence Research

Principal Investigator: Brian T. Garibaldi, MD

Percent effort: 5%

Direct costs per year: \$50,000

Total costs for project period: \$100,000

Project Period: 11/1/21-6/1/2023

The goal of this work is to continuing to develop prediction models and conduct comparative effectiveness analyses to enhance our understanding of COVID-19 disease trajectory and treatment.

Agency: NIH/NIA

ID#: Admin. Suppl. to R21AG060243-02S1

Title: COVID-19 Outcomes among People with Disabilities

Principal Investigator: Bonnie Swenor, MD

Role on project: Co-I

Percent effort: 3%

Direct costs per year: \$100,000

Total costs for project period: \$100,000

Project Period: 5/1/21-6/30/2023

This project used the JH-CROWN COVID-19 patient registry to explore the impact of COVID-19 on people with disabilities by comparing outcomes among those with disabilities to patients without reported disabilities.

Agency: Robert Wood Johnson Foundation

ID#:

Title: Project ECHO COVID-19 Education Project

Principal Investigator: Noreen Hynes, MD

Role on project: Co-I

Percent effort: 5.5%

Direct costs per year: \$75,000

Total costs for project period: \$75,000

Project Period: 7/1/20-6/30/2021

This grant was awarded as part of RWJF's COVID-19 initiative. The goal of this project is for the Johns Hopkins Bio-Containment Unit team to utilize the (Extended Community Health Outcomes) ECHO Project platform, established by the University of New Mexico Health Science Center, to provide an outlet for Region III frontline and assessment hospitals to discuss COVID-19 lessons learned and best practices.

Agency: National Human Genome Research Institute

ID#: 1RM1HG009038-01

Title: Ethical, Legal and Social Issues for Precision Medicine and Infectious Disease

Principal Investigator: Gail Geller and Jeffrey Kahn

Role on project: Co-I

Percent effort: 5%

Direct costs per year: \$128,011

Total costs for project period: \$640,555

Project Period: 05/16/16 – 04/30/20

The Johns Hopkins University CEER, entitled "ELSI Issues in Applying 'Precision Medicine' to Infectious Disease" aims to anticipate and examine, from a "P5" perspective, the ethical, legal, social, historical and policy issues

confronting the incorporation of genomics in the prevention, outbreak control, and treatment of a range of infectious diseases, and plan for the responsible translation of genomic advances into practice.

Agency: Administration for Strategic Preparedness and Response (ASPR)

ID#:

Title: Regional Ebola and Other Special Pathogen Treatment Center (RESPTC)

Principal Investigator: Brian T. Garibaldi, MD (Co-PI with Lisa Maragakis)

Percent effort: 30%

Direct costs per year: \$617,500

Total costs for project period: \$3,087,499

Project Period: 7/1/15-6/30/20

The goal of this proposal is to continue to enhance the capabilities of the Johns Hopkins Hospital as the Ebola and Other Special Pathogen Treatment Center for Region 3 of the United States. This is a joint grant awarded to the Maryland State Department of Health and Mental Hygiene and the Johns Hopkins Hospital. The grant will fund some of the capital equipment and renovations and that were necessary to create the new Johns Hopkins Biocontainment Unit and will also fund ongoing training and preparedness activities.

Agency: Administration for Strategic Preparedness and Response (ASPR)

ID#:

Title: State of Maryland, Ebola Treatment Center Award

Principal Investigator: Brian T. Garibaldi, MD (Co-PI with Lisa Maragakis)

Percent effort: 5%

Direct costs per year: \$200,000

Total costs for project period: \$1,000,000

Project Period: 7/1/15-6/30/20

This proposal is designed to develop the capabilities of the Johns Hopkins Hospital to serve as an assessment and treatment hospital for Ebola and other special pathogens in the state of Maryland. This award complements the larger ASPR award to build capabilities as one of 10 new National Ebola and Special Pathogens Treatment Centers.

Agency: Johns Hopkins Institute for Excellence in Education and the Office of Graduate Medical Education

ID#:

Title: Resident Readiness for Practice Challenge Grant

Principal Investigator: Gigi Liu, MD

Role on project: Co-I

Percent effort: 0%

Direct costs per year: \$47,500

Total costs for project period: \$95,000

Project Period: 07/1/18 – 06/30/20

The goal of this proposal is to development, implement, and assess the impact of a point of care ultrasound (POCUS) curriculum for internal medicine residents at The Johns Hopkins Hospital. The POCUS curriculum is part of a comprehensive physical diagnosis curriculum that incorporates advanced point of care technology with foundational physical exam techniques. We will develop novel methods of competency assessment and will measure the effect of the curriculum on resident attitudes, skills, behavior and clinical outcomes.

Agency: Maryland Department of Health

ID#:

Title: Maryland Department of Health Special Pathogens Training Program

Principal Investigator: Brian T. Garibaldi, MD

Percent effort: 10%

Direct costs per year: \$400,000

Total costs for project period: \$800,000

Project Period: 09/1/18 – 03/30/20

The goal of this training program is to help prepare Maryland state hospitals to provide care for patients infected with high consequence pathogens such as Ebola. We will train frontline hospital providers to identify, isolate and provide initial treatment for such patients. We will also host educational programs for providers at the five Special Pathogen Assessment Hospitals (SPAHS), as well as provide consultative services to help bolster their local preparedness efforts.

Agency: Biomedical Advanced Research and Development Authority (BARDA)

ID#:

Title: An Expanded Access Treatment Protocol for ZMapp™ for Patients with Ebola Virus Disease (EVD) or Ebola Virus Exposure

Principal Investigator: Lauren Sauer

Role on project: Co-I

Percent effort: 3%

Direct costs per year: \$150,000

Total costs for project period: \$150,000

Project Period: 10/1/18 – 06/30/19

The goal of this grant was to onboard the protocol for ZMapp to provide treatment for patients admitted to the Johns Hopkins Biocontainment Unit infected with Ebola virus.

Agency: The Women's Board of the Johns Hopkins Hospital

ID#:

Title: Handheld Ultrasound Devices to Improve the Patient Care Experience on the Osler Medical Service

Principal Investigator: Brian T. Garibaldi, MD

Percent effort: 0%

Direct costs per year: \$64,020

Total costs for project period: \$64,020

Project Period: 7/1/18 – 06/30/19

This grant, entitled "Handheld Ultrasound Devices to Improve the Patient Care Experience on the Osler Medical Service", will fund the purchase of 8 hand-carried ultrasound devices for use in our bedside medicine teaching program. This will complement the efforts of our IEE-funded grant to incorporate point-of-care ultrasound (POCUS) training into a comprehensive physical diagnosis program.

Agency: Johns Hopkins Fisher Center Discovery Program

ID#:

Title: Environmental transmission and traceability of aerosolized bio-simulants in a clinical biocontainment unit. Principal

Investigator: Brian T. Garibaldi, MD

Percent effort: 5%

Direct costs per year: \$20,000

Total costs for project period: \$20,000

Project Period: 1/1/18 – 12/31/19

This award funded the development and validation of a new methodology to track the movement of aerosolized particles in a biocontainment unit. This work will inform protocol development as well as the design and construction of biocontainment units by tracking DNA-labeled microbeads through the JHH BCU during simulated clinical care.

Agency: New York Academy of Medicine and the Accreditation Council for Graduate Medical Education

ID#:

Title: Jeremiah Barondess Fellowship in the Clinical Transaction

Principal Investigator: Brian T. Garibaldi, MD

Percent effort: 7.5%

Direct costs per year: \$25,000

Total costs for project period: \$50,000

Project Period: 07/1/16 – 06/30/18

The goal of this proposal is to develop a robust physical diagnosis curriculum that will support the culture of bedside medicine at Hopkins and beyond. As part of this proposal, we will refine our current physical diagnosis curriculum, create a new bedside clinical skills assessment tool and develop an online portal to track utilization of tests such as echocardiograms and chest CTs by learners in the curriculum.

Agency: American Board of Medical Specialties

ID#:

Title: Visiting Scholars Program

Principal Investigator: Brian T. Garibaldi, MD

Percent effort: 2%

Direct costs per year: \$12,500

Total costs for project period: \$12,500

Project Period: 07/1/17 – 12/30/18

The goal of this proposal is to modify our current bedside clinical assessment tool into a potential Maintenance of Certification (MOC) activity for internal medicine faculty. We have adapted the Practical Assessment of Clinical Examination Skills (PACES) assessment from the MRCP UK, to assess internal medicine resident physical exam skills. Through the visiting scholars program, I will create faculty development training materials and pilot the assessment with internal medicine faculty.

Agency: Johns Hopkins Institute for Excellence in Education

ID#:

Title: Berkheimer Faculty Education Scholar Award

Principal Investigator: Brian T. Garibaldi, MD

Percent effort: 10%

Direct costs per year: \$50,000

Total costs for project period: \$50,000

Project Period: 07/1/16 – 6/30/17

The goal of this proposal was to develop a robust physical diagnosis curriculum to support the culture of bedside medicine at Hopkins and beyond. As part of this proposal, we refined our current physical diagnosis curriculum, created a new bedside clinical skills assessment tool and developed methodology to track utilization of tests such as echocardiograms and chest CTs by learners in the curriculum. I also engaged in a number of faculty development activities to support my long-term goals in medical education research and program development.

Agency: Administration for Strategic Preparedness and Response (ASPR)

ID#:

Title: Ebola Healthcare Preparedness and Response for Select Hospital in Cities with Enhanced Airport Entrance

Screenings from Affected Countries in West Africa

Principal Investigator: Brian T. Garibaldi, MD (Co-PI with Lisa Maragakis)

Percent effort: 5%

Direct costs per year: \$62,500

Total costs for project period: \$62,500

Project Period: 4/1/15-10/30/15

This proposal supported the creation of an onsite laboratory within the newly created Johns Hopkins Biocontainment Unit, to enable safe laboratory testing for patients with Ebola virus and other highly infectious diseases.

Agency: National Institutes of Health

ID#: F32HL104908

Title: Regulatory Tcells and the Fibroproliferative Response to Acute Lung Injury

Principal Investigator: Brian T. Garibaldi, MD

Percent effort: 80%

Direct costs per year: \$94,324

Total costs for project period: \$188,648

Project Period: 9/1/10-8/30/12

The goal of this proposal was to understand the role of Regulatory Tcells (Tregs) in the fibroproliferative response to ALI. Lymphocyte deficient, *Rag-1*^{-/-} mice develop persistent injury and fibrosis after LPS-induced lung injury. Adoptive transfer of Tregs into *Rag-1*^{-/-} mice restores normal resolution of lung injury and reduces fibroproliferation. We explored the cellular mechanisms that underlie this Treg-dependent resolution of fibroproliferation

INVITED TALKS

A. International/National

International

2013	Interstitial Lung Disease: State of the Art, International Center of Excellence at Yangon University, Yangon, Myanmar
2013	Interventional Pulmonology: An Update for the Practicing Pulmonologist, International Center of Excellence at Yangon University, Yangon, Myanmar
2013	Pleural Disease in the 21 st Century, International Center of Excellence at Yangon University, Yangon, Myanmar
2014	Bronchiolitis Obliterans Organizing Pneumonia – An Interactive Case, Department of Medicine, Medical Grand Rounds, Hospital Kuala Lumpur, Kuala Lumpur, Malaysia
2014	Clinical Reasoning – A case based approach, HCL Clinical Training Program, HCL Healthcare, Delhi, India (JHI Project)
2015	Working with Teams: Principles of Emotional Intelligence, Group Dynamics and Communication HCL Clinical Training Program, HCL Healthcare, Delhi, India (JHI Project)
2015	How to Give Effective Feedback, HCL Clinical Training Program, HCL Healthcare, Delhi, India (JHI Project)
2016	Approach to acute lower back pain, HCL Clinical Training Program, HCL Healthcare, Delhi, India (JHI Project)
2017	An evidence-based approach to the pulmonary examination, HCL Clinical Training Program, HCL Healthcare, Delhi, India (JHI Project)
2017	Rekindling the culture of bedside medicine: A novel methodology to assess and teach bedside physical exam skills. 10 th International Conference of Education, Research and Innovation, Sevilla, Spain.
2018	Direct observation and feedback to teach the physical exam to graduate medical trainees. 11 th International Conference of Education, Research and Innovation, Sevilla, Spain.
2019	Reinvigorating the Bedside Clinical Exam. 3 rd US-China Forum on Faculty Development for Residency Training, Drum Tower Hospital, Nanjing, China
2019	Bedside Teaching as Scholarship, Nanjing Drum Tower Hospital Education Conference, Nanjing, China (JHI Project)

2019	Reinvigorating the Bedside Clinical Exam. McMaster International Review Course in Internal Medicine (MIRCIM). Krakow, Poland.
2019	The Impact of Deliberate Practice and Assessment on Clinical Skills Attitudes, Knowledge and Performance. Medical Education Forum. Krakow, Poland.
2019	Resuscitating the Bedside Clinical Exam. Diagnostic Medicine Symposium. Royal College of Physicians of Edinburgh. Edinburgh, Scotland.
2019	Revitalizando el examen físico para practicar en el siglo (Revitalizing the physical exam for the 21 st century – delivered in Spanish). 27 th National Congress of Medicine, Buenos Aires, Argentina.
2020	The first 2 weeks of COVID-19 at The Johns Hopkins Hospital. Royal College of Physicians of Edinburgh Weekly COVID Conference. Online live talk to 4500 members of the RCPE and other guests from around the world.
2020	The JHM COVID-19 Experience. World Molecular Imaging Society Imaging of Infection Webinar Series (delivered via Zoom).
2020	The Physical Exam: Past, Present and Future? Society of Acute Medicine Annual Conference, Glasgow, Scotland (delivered via Zoom).
2020	COVID-19 Update, Citigroup Leadership, Baltimore, MD (delivered via Zoom)
12/1/21	The COVID-19 Pandemic: Insights from the frontlines. Keynote Address, Journey of Healthcare Transformation during Pandemic, JHAH/JHI Multidisciplinary Conference, Saudi Arabia (delivered via Zoom).
12/1/21	Breakthrough Infections. Journey of Healthcare Transformation during Pandemic, JHAH/JHI Multidisciplinary Conference, Saudi Arabia (delivered via Zoom).
2/16/21	COVID-19 Update, Citigroup Leadership, Baltimore, MD (delivered via Zoom)
4/13/21	Flying the Plane While Improving It – Learning from COVID-19 Patient Data in Close to Real Time. Shanxi Bethune Hospital, China (delivered via Zoom)
4/28/21	The Physical Examination: Past, Present and Future. Expert Seminar in Educational Scholarship. Queen's University, Belfast, Northern Ireland (delivered via Zoom with Dr. Andrew Elder, President, Royal College of Physicians of Edinburgh)
5/20/21	Assessing and teaching bedside clinical skills through telemedicine. Medical Education Forum. Krakow, Poland (delievered via Zoom).
5/20/21	Battling COVID-19: The Johns Hopkins COVID-19 Precision Medicine Center of Excellence. McMaster International Review Course in Internal Medicine (MIRCIM). Krakow, Poland (delivered via Zoom).
5/27/21	Learning from experience: real world evidence for COVID-19 therapeutics from the USA. Educational session for European physicians, sponsored by Gilead. Switzerland (delivered via Zoom).
8/18/21	Teaching Bedside Clinical Skills. JHI Collaboration with Binzhou Medical University medical university in Binzhou, China (delivered via Zoom).
9/9/21	The role of antiviral therapy in the management of hospitalised patients with COVID-19 – a focus on real-world evidence. 14 th International Symposium on Antimicrobial Agents and Resistance (ISAAR), Korea (delivered via Zoom).
9/9/21	The multifaceted approach to COVID-19 management, with a focus on antiviral therapy. 14 th International Symposium on Antimicrobial Agents and Resistance (ISAAR), Korea (delivered via Zoom).
10/27/21	The real-world effectiveness of COVID-19 therapeutics. Society of Infectious Disease of Argentina Conference Symposium (delivered via Zoom).
11/29/21	Reinvigorating the Physical Exam. The 1 st Global Vision Week. Nanjing Drum Tower Hospital, Nanjing, China (delivered via Zoom).
6/3/22	Learning from COVID-19 Patients in Real Time. Shanxi Bethune Hospital, Shanxi, China (delivered via Zoom).
9/21/22	Applying Precision Medicine to COVID-19. Pacific Rim Health Innovations Conference. Sun Yat-sen University, Guangzhou, China (delivered via Zoom).
11/7/22	The Physical Exam in a Telemedicine Sphere. The International Conference of Education, Research and Innovation, Sevilla, Spain.
3/10/2023	Learning from COVID-19 Patients in Real Time. Peak Hospital Online Conference. West China Hospital of Sichuan University, Chengdu, China (delivered via Zoom)

3/23/2023	Learning from Patients in Real Time: Precision Medicine in Action During COVID-19. Sino-US Symposium on International Infectious Diseases: Followup Prevention and Treatment of COVID-19. Kunming Third People's Hospital, Kunming, China (delivered via Zoom)
5/17/23	Aprendiendo de los pacientes en tiempo real: medicina de precisión y COVID-19 (Learning from patients in real time: precision medicine and COVID-19). Congress of the Internal Medicine Association of Rosario (AMIR). Rosario, Argentina (delivered via Zoom in Spanish).
7/12/2023	Medical System Personnel Development System: The Osler Medical Residency Program. Tongji Hospital, Shanghai, China (delivered via Zoom).
12/13/23	Learning from Patients in Real Time: Precision Medicine in Action During COVID-19. Lithuanian Health Ministry Delegation (delivered via Zoom).
3/21/24	Managing Hospitalized Patients with COVID-19. Hospital Sungai Buloh. Kuala Lumpur, Malaysia.
3/21/24	Managing Hospitalized Patients with COVID-19. Hospital Tengku Ampuan Rahimah. Kuala Lumpur, Malaysia.
3/21/24	Managing Hospitalized Patients with COVID-19. University of Malaya Medical Center. Kuala Lumpur, Malaysia.
3/22/24	Managing COVID-19 in the Post-Pandemic Era. Infectious Disease Society of Taiwan Annual Meeting. Taipei Veterans General Hospital. Taipei, Taiwan.
3/24/24	Managing Hospitalized Patients with COVID-19. National Taiwan University Hospital. Taipei, Taiwan.
3/24/24	Managing Hospitalized Patients with COVID-19. Hospital Linkou. Taipei, Taiwan.
6/27/24	Flying the plane while building it: Precision medicine during COVID-19. The Dr JMJ Supramaniam Lecture. RCPE Course: Acute medicine for the generalist. Edinburgh. Scotland (delivered via Zoom).

National	
2010	Regulatory T-lymphocytes play a key role in the fibroproliferative response to Acute Lung Injury, American Thoracic Society International Conference, New Orleans, LA
2011	The role of Tregs in lung injury repair, Division of Pulmonary and Critical Care Medicine, Pulmonary Research Conference, Wake Forest University, Winston-Salem, NC
2011	Regulatory Tcells reduce fibroproliferation after LPS injury by decreasing fibrocyte recruitment to the alveolar space, Respiratory Disease Young Investigator's Forum, Pittsburgh, PA
2012	Fibrocytes and Acute Lung Injury Fibroproliferation, Division of Pulmonary and Critical Care Medicine, Pulmonary and Immunology Research Conference, Duke University, Durham, NC
2014	New Treatments for Obliterative Bronchiolitis, American Thoracic Society International Conference, San Diego, CA
2015	Lessons Learned from Ebola, National Facilities Management and Technology (NFMT) Conference, Baltimore, MD
2015	Preparing for Ebola and the Next Potential Pandemic: Experience from Emory and Johns Hopkins Infectious Disease: A Health Facility Perspective to a Global Crisis, Health Facility Institute 26 th Annual Symposium, Atlanta, GA
2015	Creating a Bedside Medicine Culture, Stanford 25 Bedside Medicine Symposium, Stanford University, Palo Alto, CA
2016	Building a biocontainment unit: Lessons learned from The Johns Hopkins Hospital. Organizer and presenter of a Sunrise Seminar, American Thoracic Society International Conference, San Francisco, CA
2016	Creating a Bedside Medicine Culture, Stanford 25 Bedside Medicine Symposium, Stanford University, Palo Alto, CA
2017	The Evolution of Mobile Biocontainment in the United States, American Society of Microbiology Biothreats Conference, Washington DC, 2017.
2017	The Creation of the Johns Hopkins Biocontainment Unit, United States Air Force High Performance Team (HPT) to create an expeditionary biocontainment unit, Alexandria, VA.
2017	Revitalizing the Physical Exam (Plenary Address), Annual Meeting of the Texas American College of Physicians (ACP), San Antonio, TX.
2017	TRIPLE: The Hopkins guide to student preparation for life beyond medical school. Preparing Medical Students to Transition to Residency: Creating a New Paradigm, NYU School of Medicine, New York, NY.

2018	The Johns Hopkins Biocontainment Unit, The National Institute for Occupational Safety and Health, Pittsburgh, PA
2018	Applying Assessment in a US Setting – The Hopkins Way. Third Annual Back to the Bedside Conference. St. Peters Hospital, New Brunswick, NJ.
2018	Reinvigorating the Physical Exam. Medical Grand Rounds, Stanford University, Palo Alto, CA.
2018	Direct Observation and Feedback to Improve Physical Examination Skills. American Board of Medical Specialties (ABMS) Annual Meeting, Las Vegas, NV.
2019	Update on the Johns Hopkins Biocontainment Unit. National Ebola Training and Education Center (NETEC) Annual Summit, Denver, CO.
2019	Resuscitating the Bedside Clinical Exam. Medical Grand Rounds, Wake Forest University, Winston-Salem, NC.
2019	An evidence-based approach to dyspnea. Medicine Noon Conference, Wake Forest University, Winston-Salem, NC.
2019	Teaching at the Bedside. 4 th Annual IP Fellows Career Symposium, Association of Interventional Pulmonology Program Directors (AIPPD). Orlando, FL.
2020	Novel Methodologies to Enhance Staff Safety in a Biocontainment Unit. American Society of Microbiology Biothreats Conference, Arlington, VA.
2020	Medical Education and COVID 19: The GEL Study Pre and Post COVID. Medical Grand Rounds, University of Alabama at Birmingham, Birmingham, AL (delivered via Zoom).
1/31/21	Building the plane while flying it: Developing a research infrastructure during a changing pandemic. The Society of Thoracic Surgeons International Conference (delivered via Zoom).
1/31/21	Entering the Lion's Den: Conquering the COVID Unknown. The Society of Thoracic Surgeons International Conference (delivered via Zoom).
3/23/21	The Physical Exam: Past, Present and Future. Medical Grand Rounds, St. Peter's University, New Brunswick, NJ (delivered via Zoom).
4/13/21	A formative assessment to teach clinical skills. AMA Change Med Ed Conference (delivered via Zoom).
4/15/21	Flying the Plane While Improving It – Learning from COVID-19 Patient Data in Close to Real Time. COPSS-NIIS COVID-19 Data Science Webinar Series (delivered via Zoom).
5/14/21	The JHM COVID-19 Experience. Pulmonary Grand Rounds, Norwalk Hospital, NJ (delivered via Zoom).
5/25/21	Health Executive Leadership Network (HELN) Forum on COVID-19 (delivered via Zoom).
5/25/21	Using Informatics to Advance Use, Safety, and Effectiveness of COVID-19 Medical Products. Webinar on COVID-19 informatics hosted by Johns Hopkins and the FDA (delivered via Zoom)
6/9/21	Pilot survey of HLIU staff attitudes about host genomics – prior to COVID. National Ebola Emerging Special Pathogens and Treatment Center (NETEC) Annual Conference, Atlanta, GA. (delivered via Zoom)
10/25/21	Decision Making Challenges Evolving Crisis Standards of Care & Ongoing Lessons from COVID-19: A workshop Series. National Academies of Sciences, Engineering and Medicine (delivered via Zoom).
11/3/21	The future of big data in the response to public health emergencies: Lessons learned from the COVID-19 pandemic. IEEE/CHASE 2021Conference on Connected Health Applications, Systems, and Engineering Technologies. Washington, DC.
7/26/22	The Graduate Medical Education Laboratory. Medical Grand Rounds. St. Peter's Hospital, New Brunswick, NJ.
2/6/23	Applying Precision Medicine to COVID-19. Annual Interdisciplinary Conference. Jackson Hole, Wyoming.
2/24/23	Barondess Fellowship Recipients Present: Reinvigorating the Patient-Physician Relationship. ACGME National Conference, Nashville, TN.
3/10/23	GME Insight Network: Improving Resident Burnout and Clinical Skill. American Medical Association Webinar, Zoom.
5/22/23	The Approach to the Pulmonary Exam. Conference with Internal Medicine Residents. Northwestern University Feinberg School of Medicine. Chicago, IL.
5/23/23	Resuscitating the Bedside Exam. Today's Innovation in Medical Education (TIME) Lecture Series. Northwestern University Feinberg School of Medicine. Chicago, IL.
9/29/23	The Relationship Between Time at the Bedside, Clinical Skills, and Burnout. AMA Change MedEd Conference. Chicago, IL.

11/28/23	Racial Disparities in Pulse Oximetry. Yale Internal Medicine Residency Programs' Race, Bias, and Advocacy in Medicine (RBAM) Distinction Pathway. New Haven, CT (delivered via Zoom).
1/25/24	Racial Disparities in Pulse Oximetry. The Annual Interdisciplinary Conference. Jackson Hole, WY.
2/2/24	Resuscitating the Bedside Exam. Hackensack Meridien Health GME Faculty Development Series. Hackensack, NJ (delivered via Zoom).
4/15/24	Resuscitating the Physical Exam. Kaiser Permanente Professional Development Session. San Francisco, CA (delivered via Zoom).
4/24/24	Precision Education in Medical Education: On-the-Ground Initiatives and Learnings. The American Medical Association (delivered via Zoom).
10/11/24	Getting Back to the Bedside in the ICU. 16 th Annual Critical Care Conference. Texas Christian University, Fort Worth, TX.
10/22/24	The Hypothesis Driven Physical Exam. St. Peter's Clinical Skills Conference. New Brunswick, NJ.
10/22/24	Bound to Be Breathless. St. Peter's Medical Grand Rounds. New Brunswick, NJ.
10/29/24	Why Medical AI Needs Our Help. Innovations at the Intersection of AI and Diagnosis Webinar. Center for Diagnostic Excellence. San Francisco, CA (delivered via Zoom).
1/31/25	Reinvigorating Bedside Clinical Skills. Annual Interdisciplinary Conference (AIC). Jackson Hole, WY
2/25/25	Reinvigorating the Bedside Encounter. J Woodfin Wilson Lecture at Medical Grand Rounds. LSU Shreveport. Shreveport, LA.
2/25/25	Approach to the Pulmonary Exam. LSU Shreveport. Shreveport, LA.

B. Regional

2018	Reinvigorating Physical Exam Skills. Maryland ACP Clinical Skills Symposium, Baltimore, MD
2018	Reinvigorating the Bedside Exam, Nanjing Drum Tower Hospital Education Conference, Nanjing, China (JHI Project)
2018	Reinvigorating the Bedside Clinical Exam, Medical Grand Rounds, Medstar Sinai Hospital, Baltimore, MD
2019	Reinvigorating the Bedside Clinical Exam, Maryland ACP Clinical Skills Workshop, St. Agnes Hospital, Baltimore, MD
2020	The Five-Minute Moment to Teach Bedside Clinical Skills. Maryland ACP Annual Meeting, Baltimore, MD 2020.
2020	Resuscitating the Bedside Clinical Exam. Edmund G. Beacham 47th Annual Current Topics in Geriatrics, Baltimore, MD.
2020	At the bedside during COVID-19. Medical Grand Rounds, St. Peter's University, New Brunswick, NY (delivered via Zoom)
2020-2022	The Johns Hopkins 30-Minute COVID-19 Briefing: Expert Insights on What You Need to Know – Recurring guest on weekly webinar by the Johns Hopkins Coronavirus Resource Center.
2/24/21	The JH-CROWN Registry. MD Health IT Appreciation Forum. Maryland Department of Health (delivered via Zoom)
6/10/21	Vaccines in, Masks Off: It's Time to Go Back to "Normal" – Pro-Con debate with Gregory Shrank. Point-Counterpoint Conference XL. Maryland Committee on Trauma (delivered via Zoom).
6/9/21	How do you prepare for a highly infectious disease? Hopkins on the Hill at Home (delivered via Zoom).
10/5/21	COVID-19: Treatments, variants and outlook for the pandemic. Cosmos Club Special Event (delivered via Zoom).
10/6/21	Johns Hopkins Congressional Briefing on COVID-19 (delivered via Zoom to congressional staffers on Capitol Hill)
11/9/21	Reinvigorating the Physical Exam. Medstar Academic Half-Day (delivered via zoom).
1/21/22	Learning from COVID-19 Patients in Real Time. The Johns Hopkins Pandemic Data Initiative Forum , Baltimore, MD (delivered via Zoom).
10/27/2022	The Graduate Medical Education Laboratory (GEL). Medstar Internal Medicine Grand Rounds, Baltimore, MD
6/7/2023	Hopkins on the Hill 2023 presentation "The Johns Hopkins Biocontainment Unit." Kennedy Caucus Room, Russell Senate Office Building, Washington, DC.

10/4/23 Building a Collaborative Partnership of RESPTCs. Special Pathogens and Emerging Infectious Diseases Symposium. Washington, DC.

10/5/23 Ethical, Legal & Public Health Considerations in the Context of a Special Pathogen Outbreak. Special Pathogens and Emerging Infectious Diseases Symposium. Washington, DC.

C. Local

2007 Thrombocytopenia in the ICU, Division of Pulmonary and Critical Care Medicine, Pulmonary Grand Rounds, The Johns Hopkins Hospital, Baltimore, MD

2007 Propofol Infusion Syndrome, Division of Pulmonary and Critical Care Medicine, Pulmonary Grand Rounds, The Johns Hopkins Hospital, Baltimore, MD

2008 Thyroid Storm, Division of Pulmonary and Critical Care Medicine, Pulmonary Grand Rounds, The Johns Hopkins Hospital, Baltimore, MD

2008 Pulmonary Mucormycosis in Immunocompromised Patients, Division of Pulmonary and Critical Care Medicine, Pulmonary Grand Rounds, The Johns Hopkins Hospital, Baltimore, MD

2008 Images of Osler, Department of Medicine, Medical Grand Rounds, The Johns Hopkins Hospital, Clinical Images presented monthly as part of grand rounds, Baltimore, MD

2009 Images of Osler, Department of Medicine, Medical Grand Rounds, The Johns Hopkins Hospital, Clinical Images presented monthly as part of grand rounds, Baltimore, MD

2009 The role of regulatory Tcells in acute lung injury fibroproliferation, Division of Pulmonary and Critical Care, Research in Progress Conference, The Johns Hopkins Hospital, Baltimore, MD

2010 The role of fibrocytes in acute lung injury fibroproliferation, Division of Pulmonary and Critical Care, Research in Progress Conference, The Johns Hopkins Hospital, Baltimore, MD

2011 Tregs decrease fibrocyte recruitment to the lung by altering CXCL12 signaling, Division of Pulmonary and Critical Care, Research in Progress Conference, The Johns Hopkins Hospital, Baltimore, MD

2012 Clinical Reasoning Applied to the Physical Exam, Student National Medical Association, The Johns Hopkins Hospital, Baltimore, MD

2012 An uncommon presentation of an uncommon disease, Harbor Hospital Department of Medicine, Medical Grand Rounds, Harbor Hospital, Baltimore, MD

2012 Granulomatous BOOP, Division of Pulmonary and Critical Care Medicine, Pulmonary Grand Rounds, The Johns Hopkins Hospital, Baltimore, MD

2013 The Role of Tregs in Lung Injury Fibroproliferation, Department of Medicine, Pulmonary Division Review, The Johns Hopkins Hospital, Baltimore, MD

2014 More common than we think? Division of Pulmonary and Critical Care Medicine, Pulmonary Grand Rounds, The Johns Hopkins Hospital, Baltimore, MD

2015 Hopkins' Response to Ebola, Global Health Institute Panel Discussion, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD

2015 Creating a New Biocontainment Unit, Johns Hopkins Department of Medicine, Medical Grand Rounds

2015 How to Give Effective Feedback, Chinese Hospital Delegation and Johns Hopkins Medicine International, The Johns Hopkins Hospital, Baltimore, MD

2016 Pulmonary Fibrosis and Alphabet Soup: How do we make the diagnosis of pulmonary fibrosis? Pulmonary Fibrosis Foundation Patient Support Group, The Johns Hopkins Hospital, Baltimore, MD

2016 Happy Birthday Stethoscope! (Why are you still here?), Johns Hopkins Medicine Grand Rounds, Baltimore, MD

2016 Creating the Johns Hopkins Biocontainment Unit, Chesapeake American Industrial Hygiene Association (AIHA) and American Society of Safety Engineers (ASSE) Educational Seminar, The Johns Hopkins University Applied Physics Laboratory, Laurel, MD

2016 A high stakes assessment of physical exam skills - Are we ready to put ourselves in the hotseat?, Johns Hopkins Medicine Grand Rounds, Baltimore, MD

2016 Creating the Johns Hopkins Biocontainment Unit, University of Maryland Medical Center Pulmonary Grand Rounds, Baltimore, MD

2017 Clinical Pedagogy at Johns Hopkins. Presented to visiting delegation from Mahidol University in Bangkok, Thailand, The Johns Hopkins Hospital, Baltimore, MD

2017 The Osler Internal Medicine Residency Program. Presented to visiting delegation from the Johns Hopkins International Chinese Executive Education Program, Baltimore, MD

2017 Physical Exam and the Art of Medicine. Johns Hopkins Medicine Grand Rounds, Baltimore, MD

2018 Reinvigorating the Physical Exam. Johns Hopkins Otolaryngology Grand Rounds, Baltimore, MD

2018 Incident Command and the BCU. Johns Hopkins Office of Emergency Management Continuing Education Seminar, Baltimore, MD

2019 Reinvigorating the Bedside Clinical Exam, Medical Grand Rounds, Johns Hopkins Bayview Medical Center, Baltimore, MD

2019 Synergy and Interdependence amongst a Multidisciplinary Team (Panel Discussion), Johns Hopkins Department of Medicine Clinical Retreat, Baltimore, MD

2019 Use of Ultrasound in a Biocontainment Unit. National Ebola Training and Education Center (NETEC) Emerging Infectious Disease Workshop, Johns Hopkins University School of Medicine, Baltimore, Maryland

2019 Resuscitating the Bedside Clinical Exam. Johns Hopkins Medicine Board of Trustees Meeting, Baltimore, MD

2019 Resuscitating the Bedside Clinical Exam. Johns Hopkins Medicine Dean's Advisory Council Meeting, Baltimore, MD

2019 The Graduate Medical Education Laboratory (GEL). Medical Grand Rounds, The Johns Hopkins Hospital, Baltimore, MD.

2019 Resuscitating the Bedside Clinical Exam. Johns Hopkins Center for Innovative Medicine (CIM) International Advisory Board Meeting, Baltimore, MD

2019 The Osler Medical Residency Program. Johns Hopkins International Chinese Executive Exchange Program, Baltimore, MD (series of 3 lectures).

2020 The JHM COVID-19 Clinical Experience. Johns Hopkins Medicine Grand Rounds, Baltimore, MD (delivered via Zoom)

2020 The JHM COVID-19 Clinical Experience. Johns Hopkins Pediatric Grand Rounds, Baltimore, MD (delivered via Zoom)

2020 The Hypothesis Driven Physical Exam. Medicine Noon Conference. Johns Hopkins Hospital, Baltimore, MD (delivered via Zoom)

2020 The Hypothesis Driven Physical Exam. Medicine Noon Conference. Johns Hopkins Bayview Medical Center, Baltimore, MD (delivered via Zoom)

2020 Flying the Plane While Building It: Developing a Research Infrastructure During a Changing Pandemic. Health Informatics Grand Rounds, Johns Hopkins Hospital, Baltimore, MD (delivered via Zoom)

2020 Miller Coulson Academy of Clinical Excellence, Medical Grand Rounds, Johns Hopkins Bayview Medical Center (delivered via Zoom)

1/22/21 COVID Data Repositories Curated by Hopkins: Resources for Observational Research and Data Science. Medical Grand Rounds, Johns Hopkins Hospital, Baltimore, MD (delivered via Zoom, co-presented with Chris Chute)

2/11/21 Treating COVID-19: The race to save lives. Johns Hopkins Medicine Dean's Symposium (delivered via Zoom)

4/15/21 Flying the Plane While Improving It – Learning from COVID-19 Patient Data in Close to Real Time. Johns Hopkins Hospital Respiratory Therapist Monthly Staff Meeting (delivered via Zoom)

7/19/21 Using Informatics to Advance Use, Safety, and Effectiveness of COVID-19 Medical Products. Hopkins Summer Internship Program (delivered via Zoom).

12/9/21 The JH-CROWN Registry: COVID-19 ICTR Town Hall, The Johns Hopkins Hospital, Baltimore, MD (delivered via Zoom).

4/25/22 Learning from COVID-19 Patients in Real Time. The Johns Hopkins Women's Board (delivered via Zoom).

10/24/22 The Graduate Medical Education Laboratory (GEL). The Johns Hopkins Women's Board, Baltimore, MD

3/23/23 Communication by Press Release, Pre-Print or Publication? Pros and Cons. Office of Research Integrity, Johns Hopkins University School of Medicine, Baltimore MD (delivered via Zoom).

8/24/23	Resuscitating the Bedside Exam. GI Division Morning Education Conference Series. The Johns Hopkins Hospital, Baltimore, MD.
2/1/24	The Road Back to the Bedside. Malone Center Research Lunch. Johns Hopkins University, Baltimore, MD.
2/15/24	Getting Back to the Bedside in the ICU. Pulmonary Division Grand Rounds. The Johns Hopkins Hospital, Baltimore, MD.
9/19/24	Getting Back to the Bedside. Canning Thoracic Institute Systemwide Physician and APP Assembly. Northwestern Memorial Hospital, Chicago, IL (delivered via Microsoft Teams).
9/27/24	The Hypothesis-Driven Physical Exam. Internal Medicine Residency Noon Conference. Northwestern Memorial Hospital, Chicago, IL.
10/2/24	Reinvigorating the Bedside Encounter. Medicine Grand Rounds. Northwestern Memorial Hospital. Chicago, IL.
10/15/24	The Assessment of Physical Exam and Communication Skills (APECS). Senior Faculty Academy Meeting. Northwestern Memorial Hospital. Chicago, IL.
12/5/24	Resuscitating the Bedside Encounter. Northwestern Medicine Patient-Family Advisory Committee. Chicago, IL (delivered via Microsoft Teams).
12/12/24	Resuscitating the Bedside Encounter. Feinberg Academy of Medical Educators (FAME) Webinar. Northwestern University Feinberg School of Medicine, Chicago, IL (delivered via Zoom).
2/11/25	Resuscitating the Bedside Encounter. McGaw Annual Program Director's Retreat. Northwestern University Feinberg School of Medicine, Chicago, IL.

PUBLICATIONS AND SCHOLARLY WORKS

A. Journal Articles

a. Peer-reviewed Original Investigations

1. Weiss DJ, **Garibaldi BT**, Hauser MD. The production and perception of long calls by cotton-top tamarins (*Saguinus oedipus*): acoustic analyses and playback experiments. *J Comp Psychol*. 2001 Sep;115(3):258-71. PMID: 11594495 (senior thesis for undergraduate degree)
2. **Garibaldi B**, Conde-Martel A, O'Toole TP. Self-reported comorbidities, perceived needs, and sources for usual care for older and younger homeless adults. *J Gen Intern Med*. 2005 Aug;20(8):726-30. PMID: 16050882
3. **Garibaldi B**, Malani R, Yeh HC, Lipson E, Michell D, Bennett M, Moliterno A, McDevitt MA, Kickler TS. Estimating platelet production in patients with HIV-related thrombocytopenia using the immature platelet fraction. *Am J Hematol*. 2009 Oct 9. PMID: 19890906
4. Files DC, D'Alessio F, Johnston LF, Kesari P, Aggarwal N, **Garibaldi B**, Mock JR, Simmers JL, DeGorordo A, Murdoch J, Willis M, Patterson C, Tanskersley C, Mess L, Liu C, Delbono O, Furlow JD, Bodine S, Cohm R, King LS, Crow MT. A Critical Role for Muscle Ring Finger-1 in Acute Lung Injury Associated Skeletal Muscle Wasting. *Am J Resp Crit Care Med*. 2012 Apr 15;185(8):825-34. PMID: 22312013 (role: conducting of experiments, data analysis and interpretation, manuscript editing)
5. D'Alessio FR, Tushima K, Aggarwal NA, Files DC, **Garibaldi BT**, Mock JR, Eto Y, Avalos CR, Rodriguez JV, Reddy SP, Pearse DB, Sidhaye VK, Hassoun PM, Crow MT, King LS. Resolution of experimental lung injury by Monocyte-derived inducible nitric oxide synthase (iNOS). *Journal of Immunology*. 2012 Sep 1;189(5):2234-45. PMID: 228441172 (role: conducting of experiments, data analysis and interpretation, manuscript editing)
6. ***Garibaldi BT**, D'Alessio FR, Mock JR, Files DC, Chau E, Eto Y, Drummond MB, Aggarwal NA, Sidhaye VK, King LS. Regulatory Tcells Reduce Acute Lung Injury Fibroproliferation By Decreasing Fibrocyte Recruitment. *Am J Respir Cell Mol Biol*. 2013 Jan;48(1):35-43. PMID: 23002097 *corresponding author
7. Aggarwal NR, D'Alessio FR, Eto Y, Chau E, Avalos CR, Waickman AT, **Garibaldi BT**, Mock JR, Files DC, Sidhaye VK, Polotsky VY, Powell J, Horton M, King LS. Macrophage adenosine receptor 2a (A2aR) protects against oxygen-induced augmentation of experimental lung injury. *Am J Respir Cell Mol Biol*. 2013 May;48(5):635-46. PMID: 23349051 (role: conducting of experiments, data analysis and interpretation, manuscript editing)
8. Aggarwal NR, Chau E, **Garibaldi BT**, Mock JR, Sussan T, Rao K, Rao K, Menon AG, D'Alessio FR, Damarla M, Biswal S, King LS, Sidhaye VK. Aquaporin 5 regulates cigarette smoke induced emphysema by modulating barrier and immune properties of the epithelium. *Tissue Barriers*. 2013 Oct 1;1(4):e25248. PMID: 24665410 (role: conducting of

experiments, data analysis and interpretation, manuscript editing)

- 9. Aggarwal NR, Tsushima K, Eto Y, Tripathi A, Mandke P, Mock JR, **Garibaldi BT**, Singer BD, Sidhaye VK, Horton MR, King LS, D'Alessio FR. Immunological Priming Accelerates Resolution of Lung Inflammation by Macrophage-derived IL-10. *J Immunol*. 2014 May 1;192(9):4453-64. PMID: 24688024 (role: conducting of experiments, data analysis and interpretation, manuscript editing)
- 10. Mock JR, **Garibaldi BT**, Aggarwal NR, Jenkins J, Limjunyawong N, Singer BD, Chau E, Rabold R, Files DC, Sidhaye V, Mitzner W, Wagner EM, King LS, D'Alessio FR. Foxp3₊ regulatory T cells promote lung epithelial proliferation. *Mucosal Immunol*. 2014 Nov;7(6):1440-51. PMID: 24850425 (role: conducting of experiments, data analysis and interpretation, manuscript editing)
- 11. Singer, BD, Mock JR, Aggarwal NR, **Garibaldi BT**, Sidhaye VK, Florez MA, Chau E, Gibbs KW, Mandke P, Tripathi A, Yegnasubramanian S, King LS, D'Alessio DR. Regulatory T Cell DNA Methyltransferase Inhibition Accelerates Resolution of Lung Inflammation. *Am J Respir Cell Mol Biol*. May;52(5):641-52. PMID: 25295995 (role: conducting of experiments, data analysis and interpretation, manuscript editing)
- 12. Files DC, Liu C, Pereyra A, Wang ZM, Aggarwal NR, D'Alessio FR, **Garibaldi BT**, Mock JR, Singer BD, Feng X, Yammani RR, Zhang T, Lee AL, Philpott S, Lussier S, Purcell L, Chou J, Seeds M, King LS, Morris PE, Delbono O. Therapeutic exercise attenuates neutrophilic lung injury and skeletal muscle wasting. *Sci Transl Med*. 2015 Mar 11;7(278). PMID: 25761888 (role: conducting of experiments, data analysis and interpretation, manuscript editing)
- 13. D'Alessio F, Craig J, Singer B, Files DC, Mock J, **Garibaldi BT**, Fallica J, Tripathi A, Mandke P, Gans J, Limjunyawong N, Sidhaye V, Heller N, Mitzner W, King LS, Aggarwal N. Enhanced Resolution of Experimental ARDS through IL-4-Mediated Lung Macrophage Reprogramming. *Am J Physiol Lung Cell Mol Physiol*. 2016, April 15; 310(8) PMID: 26895644 (role: conducting of experiments, data analysis and interpretation, manuscript editing)
- 14. ***Garibaldi BT**, Kelen GD, Brower RG, Bova G, Ernst N, Reimers M, Langlotz R, Gimburg A, Iati M, Smith C, MacConnell S, James H, Lewin JL, Trexler P, Black MA, Lynch C, Clarke W, Marzinske MA, Sokoll L, Carroll KC, Parrish NM, Dionne K, Biddison ELD, Gwon HS, Sauer L, Hill P, Newton SM, Garrett MR, Miller RG, Perl TM, Maragakis LL. The Creation of a Biocontainment Unit at a Tertiary Care Hospital: The Johns Hopkins Medicine Experience. *Annals of the American Thoracic Society*, 2016 May; 13(5): 600-608. PMID: 27057583 [SI/QI] *corresponding author
- 15. Cater SW, Krishnan L, Grimm L, **Garibaldi BT**, Green I. Developing an Introductory Radiology Clerkship at Perdana University Graduate School of Medicine in Kuala Lumpur, Malaysia. *Health Professions Education*, 2017 Dec; 3(2), 113-117.
- 16. ***Garibaldi BT**, Niessen T, Gelber AC, Clark B, Lee J, Madrazo JA, Manesh RS, Apfel A, Lau BD, Liu G, Canzoniero JV, Sperati CJ, Yeh HC, Brotman DJ, Traill TA, Cayea D, Durso SC, Stewart RW, Corretti MC, Kasper EK, Desai SV. A Novel Bedside Cardiopulmonary Physical Diagnosis Curriculum for Internal Medicine Postgraduate Training. *BMC Medical Education*, 2017 Oct; 17(182). PMID 28985729 *corresponding author
- 17. ***Garibaldi BT**, Reimers M, Ernst N, Bova G, Nowakowski E, Bukowski J, Ellis BC, Smith C, Sauer L, Dionne K, Carroll KC, Maragakis LL, Parrish NM. Validation of Autoclave Protocols for Successful Decontamination of Category A Medical Waste Generated from Care of Patients with Serious Communicable Diseases. *J Clin Microbiol*. 2017 Feb;55(2):545-551. doi: 10.1128/JCM.02161-16. Epub 2016 Dec 7. PMID: 27927920; PMCID: PMC5277525. *corresponding author
- 18. Sauer LM, Drewry III D, Shaw-Saliba K, Therkorn J, Pilholski T, Rainwater-Lovett K, **Garibaldi BT**. A Novel Approach to Identify Potential Provider and Environmental Contamination in a Clinical Biocontainment Unit Using Aerosolized Pathogen Simulants. *Health Security*, 2018 Mar/Apr; 16(2). PMID 29624490
- 19. Therkorn J, Drewry III D, Pilholski T, Shaw-Saliba K, Bova G, Maragakis L, **Garibaldi BT**, Sauer LM. Impact of Air Handling System Exhaust Failure on Dissemination Pattern of Simulant Pathogen Particles in a Clinical Biocontainment Unit. *Indoor Air*, 2018, Sep 7. PMID: 30192404
- 20. **Garibaldi BT**, Ruparelia C, Shaw-Saliba K, Sauer LM, Maragakis LL, Glancey M, Subah M, Nelson AR, Wilkason C, Litwin L, Osei P, Yazdi Y. A novel PPE coverall was rated higher than standard Ebola PPE in terms of comfort, mobility and perception of safety when tested by healthcare workers in Liberia and in a US Biocontainment Unit. *Am J Infect Control*, 2018, Oct 6. PMID: 30301656
- 21. Kogutt B, Sheffield J, Maragakis LL, Golden C, **Garibaldi BT**. Simulation of a Spontaneous Vaginal Delivery and Neonatal Resuscitation in a Biocontainment Unit. *Health Security*, 2019 Jan/Feb; 17(1):18-26. PMID: 30779606

22. Sauer LM, Romig M, Andonian J, Flinn JB, Hynes N, Maloney R, Maragakis LL, **Garibaldi BT**. Application of the Incident Command System to the Hospital Biocontainment Unit Setting. *Health Security*, 2019 Jan/Feb; 17(1):27-34. PMID:30779610

23. Boyce A, **Garibaldi BT**. Host genetic information about high-consequence infections: emerging science, anticipatory ethics. *Health Security*, 2019 Jan/Feb; 17(1):62-68. PMID:30724614

24. Andonian J, Galusha K, Maragakis LL, **Garibaldi BT***. The impact of high-level isolation units beyond high consequence pathogen preparedness. *Health Security*, 2019 Jan/Feb; 17(1):69-73. PMID: 30779609 *corresponding author

25. Goyal A, **Garibaldi B**, Liu G, Desai S, Manesh R. Morning report innovation: Case Oriented Report and Exam Skills. *Diagnosis (Berl)*. 2019 Mar 22. PMID: 30901311

26. D'Souza T, Rosen M, Bertram AK, Apfel A, Desai SV, **Garibaldi BT***. The use of a real-time location system (RTLS) to understand resident location in an academic medical center. *J Grad Med Educ*, 2019 Jun;11(3):324-327. PMID: 31210865 *corresponding author

27. Therkorn J, Drewry D, Andonian J, Benishek L, Billman C, Forsyth ER, **Garibaldi BT**, Nowakowski E, Rainwater-Lovett K, Sauer L, Schiffhauer M, Maragakis LL. 2019. Development and Comparison of Complementary Methods to Study Potential Skin and Inhalational Exposure to Pathogens During Personal Protective Equipment Doffing. *Clinical Infectious Diseases*, 2019 Oct; 69, Issue Supplement_3, S231-S240. PMID: **31517983**

28. Andonian J, Kazi S, Therkorn J, Benishek L, Billman C, Schiffhauer M, Nowakowski E, Osei P, Gurses AP, Hsu YJ, Drewry D, Forsyth ER, **Garibaldi BT**, Rainwater-Lovett K, Trexler P, Maragakis LL. 2019. Effect of an Intervention Package and Teamwork Training to Prevent Healthcare Personnel Self-Contamination During Personal Protective Equipment Doffing. *Clinical Infectious Diseases*, 2019 Oct; 69, Issue Supplement_3, S248-S255. PMID: **31517976**

29. Clark BW, Lee YZ, Niessen T, Desai SV, **Garibaldi BT**. Assessing physical examination skills using direct observation and volunteer patients. *Diagnosis*. 13 March 2020. PMID: **32167926**

30. Lin CT, Czarny MJ, Hussien A, Hasan RK, **Garibaldi BT**, Fishman EK, Resar JR, Zimmerman SL. Fibrotic Lung Disease at CT Predicts Adverse Outcomes in Patients Undergoing Transcatheter Aortic Valve Replacement. *Radiology: Cardiothoracic Imaging, Volume 2, Issue 2*

31. Flinn JB, Benza JJ, Sauer LM, Sulmonte C, Hynes NA, **Garibaldi BT***. (2020). "The Risk of Not Being Ready: A Novel Approach to Managing Constant Readiness of a High-Level Isolation Unit During Times of Inactivity." *Health Security* 18(3): 212-218. PMID: **32559152**. *corresponding author

32. Flinn JB, Hynes NA, Sauer LM, Maragakis LL, **Garibaldi BT***. The role of dedicated biocontainment patient care units in preparing for COVID-19 and other infectious disease outbreaks. *Infect Control Hosp Epidemiol*. 2021 Feb;42(2):208-211. doi: 10.1017/ice.2020.451. Epub 2020 Sep 4. PMID: 32883382; PMCID: PMC7503040. *corresponding author

33. **Garibaldi BT***, Fiksel J, Muschelli J, Robinson ML, Rouhizadeh M, Perin J, Schumock G, Nagy P, Gray JH, Malapati H, Ghobadi-Krueger M, Niessen TM, Kim BS, Hill PM, Ahmed MS, Dobkin ED, Blanding R, Abele J, Woods B, Harkness K, Thiemann DR, Bowring MG, Shah AB, Wang MC, Bandeen-Roche K, Rosen A, Zeger SL, Gupta A. Patient Trajectories Among Persons Hospitalized for COVID-19 : A Cohort Study. *Ann Intern Med*. 2020 Sep 22. doi: 10.7326/M20-3905. Epub ahead of print. PMID: 32960645.*corresponding author (JH-CROWN Registry)

34. Kreps S, Prasad S, Brownstein JS, Hswen Y, **Garibaldi BT**, Zhang B, Kriner DL. Factors Associated With US Adults' Likelihood of Accepting COVID-19 Vaccination. *JAMA Netw Open*. 2020;3(10):e2025594. doi:10.1001/jamanetworkopen.2020.25594 PMID: 33079199

35. Geller G DP, Thio CL, Mathews D, Kahn JP, Maragakis L, **Garibaldi BT**. Genomics in the Era of COVID-19: Ethical Implications for Clinical Practice and Public Health. *Genome Medicine*. 2020 Nov 9; 12(1). PMID: **33168072**

36. Kalil AC, Patterson TF, Mehta AK, et al (ACTT-2 Study Group*). Baricitinib plus Remdesivir for Hospitalized Adults with Covid-19 [published online ahead of print, 2020 December 11]. *N Engl J Med*. 2020 (***BTG is a site co-investigator for ACTT-2**) PMID: **33306283**

37. Ignatius EH, MD, MSc, Wang K, Karaba A, Robinson M, Avery RK, Blair P, Chida N, Jain T, Petty BG, Siddiqui Z, Melia MT, Auwaerter PG, Xu Y, **Garibaldi BT**. Tocilizumab for the treatment of COVID-19 among hospitalized patients: A matched retrospective cohort analysis. *Open Forum Infect Dis*. 2020 Dec 28;8(1).PMID: **33537364** (JH-CROWN Registry).

38. Casciola-Rosen L, Thiemann DR., Andrade F, Trejo Zambrano MI, Hooper JE, Leonard E, Spangler J, Cox AL, Machamer C, Sauer L, Laeyendecker O, **Garibaldi BT**, Ray SC, Mecoli C, Christopher-Stine L, Gutierrez-Alamillo L,

Yang Q, Hines D, Clarke W, Rothman RE, ...Rosen A. (2020). IgM autoantibodies recognizing ACE2 are associated with severe COVID-19. medRxiv : the preprint server for health sciences, 2020.

39. Avery, R.K., Chiang, T.P.-Y., Marr, K.A., Brennan, D.C., Sait, A.S., **Garibaldi, B.T.**, Shah, P., Ostrander, D., Mehta Steinke, S., Permpalung, N., Cochran, W., Makary, M.A., Garonzik-Wang, J., Segev, D.L. and Massie, A.B. (2021), Inpatient COVID-19 Outcomes in Solid Organ Transplant Recipients Compared to Non-Solid Organ Transplant Patients: A Retrospective Cohort. *American Journal of Transplantation* <https://doi.org/10.1111/ajt.16431> [published online ahead of print, 2020, December 7] PMID: 33284498 (JH-CROWN Registry).

40. Bowring MG, Wang Z, Xu Y, Betz J, Muschelli J, **Garibaldi BT***, Zeger SL. Outcome-Stratified Analysis of Biomarker Trajectories for Patients Infected With Severe Acute Respiratory Syndrome Coronavirus 2. *Am J Epidemiol.* 2021 Oct 1;190(10):2094-2106. doi: 10.1093/aje/kwab138. PMID: 33984860; PMCID: PMC8241476. *Co-senior author. (JH-CROWN Registry)

41. Andersen KM, Mehta HB, Palamuttam N, Ford D, **Garibaldi BT**, Auwaerter PG, Segal J, Alexander GC. Association Between Chronic Use of Immunosuppressive Drugs and Clinical Outcomes From Coronavirus Disease 2019 (COVID-19) Hospitalization: A Retrospective Cohort Study in a Large US Health System, *Clinical Infectious Diseases*. [published online ahead of print, 2021 Jan 7] (JH-CROWN Registry) PMID: 33410884

42. Bennett TD, Moffitt RA, Hajagos JG, Amor B, Anand A, Bissell MM, Bradwell KR, Bremer C, Byrd JB, Denham A, DeWitt PE, Gabriel D, **Garibaldi BT**, Girvin AT, Guinney J, Hill EL, Hong SS, Jimenez H, Kavuluru R, Kostka K, Lehmann HP, Levitt E, Mallipattu SK, Manna A, McMurry JA, Morris M, Muschelli J, Neumann AJ, Palchuk MB, Pfaff ER, Qian Z, Qureshi N, Russell S, Spratt H, Walden A, Williams AE, Wooldridge JT, Yoo YJ, Zhang XT, Zhu RL, Austin CP, Saltz JH, Gersing KR, Haendel MA, Chute CG; National COVID Cohort Collaborative (N3C) Consortium. Clinical Characterization and Prediction of Clinical Severity of SARS-CoV-2 Infection Among US Adults Using Data From the US National COVID Cohort Collaborative. *JAMA Netw Open.* 2021 Jul 1;4(7):e2116901. doi: 10.1001/jamanetworkopen.2021.16901. PMID: 34255046; PMCID: PMC8278272.

43. Boulanger M, Molina E, Wang K, Kickler T, Xu Y, **Garibaldi BT**. Peripheral Plasma Cells Associated with Mortality Benefit in Severe COVID-19: A Marker of Disease Resolution. *Am J Med.* 2021 Aug;134(8):1029-1033. doi: 10.1016/j.amjmed.2021.01.040. Epub 2021 Mar 31. PMID: 33811876; PMCID: PMC8010346. (JH-CROWN Registry).

44. Gerber JE, Geller G, Boyce A, Maragakis LL, **Garibaldi BT***. Genomics in Patient Care and Workforce Decisions in High-Level Isolation Units: A Survey of Healthcare Workers. *Health Secur.* 2021 May-Jun;19(3):318-326. doi: 10.1089/hs.2020.0182. Epub 2021 Apr 6. PMID: 33826422; PMCID: PMC8217591. *corresponding author

45. Al-Samkari H, Gupta S, Leaf RK, Wang W, Rosovsky RP, Brenner SK, Hayek SS, Berlin H, Kapoor R, Shaefi S, Melamed ML, Sutherland A, Radbel J, Green A, **Garibaldi BT**, Srivastava A, Leonberg-Yoo A, Shehata AM, Flythe JE, Rashidi A, Goyal N, Chan L, Mathews KS, Hedayati SS, Dy R, Toth-Manikowski SM, Zhang J, Mallappallil M, Redfern RE, Bansal AD, Short SAP, Vangel MG, Admon AJ, Semler MW, Bauer KA, Hernán MA, Leaf DE. Thrombosis, Bleeding, and the Observational Effect of Early Therapeutic Anticoagulation on Survival in Critically Ill Patients With COVID-19. *Ann Intern Med.* 2021 Jan 26. doi: 10.7326/M20-6739. Epub ahead of print. PMID: 33493012.

46. Karaba SM, Jones G, Helsel T, Smith LL, Avery R, Dzintars K, Salinas AB, Keller SC, Townsend JL, Klein E, Amoah J, **Garibaldi BT**, Cosgrove SE, Fabre V. Prevalence of Co-infection at the Time of Hospital Admission in COVID-19 Patients, A Multicenter Study. *Open Forum Infect Dis.* 2020 Dec 21;8(1). PMID: 33447639 (JH-CROWN Registry).

47. **Garibaldi BT***, Wang K, Robinson ML, Zeger SL, Bandeen-Roche K, Wang MC, Alexander GC, Gupta A, Bollinger R, Xu Y. Comparison of Clinical Improvement of Treatment With or Without Remdesivir Among Hospitalized Patients With COVID-19. *JAMA Open Network.* 2021 Mar 1;4(3):e213071. doi: 10.1001/jamanetworkopen.2021.3071. PMID: 33760094 * corresponding author (JH-CROWN Registry).

48. Wongvibulsin S, **Garibaldi BT**, Antar AR, Wen J, Wang MC, Gupta A, Bollinger R, Xu Y, Wang K, Betz JF, Muschelli J, Roche KB, Zeger SL, Robinson ML. Development of Severe COVID-19 Adaptive Risk Predictor (SCARP), a calculator to predict severe disease or death in hospitalized patients with COVID-19. *Ann Intern Med.* 2021 Mar 2. doi: 10.7326/M20-6754. Online ahead of print. PMID: 33646849 (JH-CROWN Registry).

49. Jeffers JM, Bord S, Hooper JE, Fleishman C, Cayea D, **Garibaldi B**. End-of-Life Care: A Multimodal and Comprehensive Curriculum for Graduating Medical Students Utilizing Experiential Learning Opportunities. *MedEdPORTAL.* 2021 Apr 27;17:11149. doi: 10.15766/mep_2374-8265.11149. PMID: 33928187; PMCID: PMC8076371.

50. Brenner DS, Liu GY, Omron R, Tang O, **Garibaldi BT**, Fong TC. Diagnostic accuracy of lung ultrasound for SARS-CoV-2: a retrospective cohort study. *Ultrasound J.* 2021 Mar 1;13(1):12. PMID: 33644829.

51. Kotwal S, Fanai M, Fu W, Wang Z, Bery AK, Omron R, Tevzadze N, Gold D, **Garibaldi BT**, Wright SM, Newman-Toker DE. Real-world virtual patient simulation to improve diagnostic performance through deliberate practice: a prospective quasi-experimental study. *Diagnosis (Berl)*. 2021 Mar 5. doi: 10.1515/dx-2020-0127. Epub ahead of print. PMID: 33675203.
52. Scully EP, Schumock G, Fu M, Massaccesi G, Muschelli J, Betz J, Klein EY, West NE, Robinson M, **Garibaldi BT**, Bandeen-Roche K, Zeger S, Klein SL, Gupta A. Sex and Gender Differences in Testing, Hospital Admission, Clinical Presentation, and Drivers of Severe Outcomes From COVID-19. *Open Forum Infect Dis*. 2021 Aug 31;8(9):ofab448. doi: 10.1093/ofid/ofab448. PMID: 34584899; PMCID: PMC8465334.
53. **Garibaldi BT**, Chisolm MS, Berkenblit GV, Feller-Kopman D, Stephens RS, Stewart RW, Wright SM. Review of the published literature to characterise clinical excellence in COVID-19 care. *Postgrad Med J*. 2021 May 26:postgradmedj-2021-140002. doi: 10.1136/postgradmedj-2021-140002. Epub ahead of print. PMID: 34039705.
54. Minhas AS, Gilotra NA, Goerlich E, Metkus T, **Garibaldi BT**, Sharma G, Bavaro N, Phillip S, Michos ED, Hays AG. Myocardial Work Efficiency, A Novel Measure of Myocardial Dysfunction, Is Reduced in COVID-19 Patients and Associated With In-Hospital Mortality. *Front Cardiovasc Med*. 2021 Jun 14;8:667721. doi: 10.3389/fcvm.2021.667721. PMID: 34195234; PMCID: PMC8236710.
55. Gupta S, Wang W, Hayek SS, Chan L, Mathews KS, Melamed ML, Brenner SK, Leonberg-Yoo A, Schenck EJ, Radbel J, Reiser J, Bansal A, Srivastava A, Zhou Y, Finkel D, Green A, Mallappallil M, Faugno AJ, Zhang J, Velez JCQ, Shaefi S, Parikh CR, Charytan DM, Athavale AM, Friedman AN, Redfern RE, Short SAP, Correa S, Pokharel KK, Admon AJ, Donnelly JP, Gershengorn HB, Douin DJ, Semler MW, Hernán MA, Leaf DE; STOP-COVID Investigators. Association Between Early Treatment With Tocilizumab and Mortality Among Critically Ill Patients With COVID-19. *JAMA Intern Med*. 2021 Jan 1;181(1):41-51. doi: 10.1001/jamainternmed.2020.6252. Erratum in: *JAMA Intern Med*. 2021 Apr 1;181(4):570. PMID: 33080002; PMCID: PMC7577201 (***BTG** is a site co-investigator for STOP COVID).
56. Burnim MS, Wang K, Checkley W, Nolley EP, Xu Y, **Garibaldi BT**. The Effectiveness of High-Flow Nasal Cannula in Coronavirus Disease 2019 Pneumonia: A Retrospective Cohort Study. *Crit Care Med*. 2022 Mar 1;50(3):e253-e262. doi: 10.1097/CCM.0000000000005309. PMID: 34637419; PMCID: PMC8855780.
57. Mehta HB, An H, Andersen KM, Mansour O, Madhira V, Rashidi ES, Bates B, Setoguchi S, Joseph C, Kocis PT, Moffitt R, Bennett TD, Chute CG, **Garibaldi BT**, Alexander GC; National COVID Cohort Collaborative (N3C). Use of Hydroxychloroquine, Remdesivir, and Dexamethasone Among Adults Hospitalized With COVID-19 in the United States : A Retrospective Cohort Study. *Ann Intern Med*. 2021 Oct;174(10):1395-1403. doi: 10.7326/M21-0857. Epub 2021 Aug 17. PMID: 34399060; PMCID: PMC8372837.
58. Menez S, Moledina DG, Thiessen-Philbrook H, Wilson FP, Obeid W, Simonov M, Yamamoto Y, Corona-Villalobos CP, Chang C, **Garibaldi BT**, Clarke W, Farhadian S, Dela Cruz C, Coca SG, Parikh CR; TRIKIC Consortium. Prognostic Significance of Urinary Biomarkers in Patients Hospitalized With COVID-19. *Am J Kidney Dis*. 2021 Oct 16:S0272-6386(21)00920-3. doi: 10.1053/j.ajkd.2021.09.008. Epub ahead of print. PMID: 34710516; PMCID: PMC8542781.
59. Andersen KM, Bates BA, Rashidi ES, Olex AL, Mannon RB, Patel RC, Singh J, Sun J, Auwaerter PG, Ng DK, Segal JB, **Garibaldi BT**, Mehta HB, Alexander GC; National COVID Cohort Collaborative Consortium. Long-term use of immunosuppressive medicines and in-hospital COVID-19 outcomes: a retrospective cohort study using data from the National COVID Cohort Collaborative. *Lancet Rheumatol*. 2022 Jan;4(1):e33-e41. doi: 10.1016/S2665-9913(21)00325-8. Epub 2021 Nov 15. PMID: 34806036; PMCID: PMC8592562.
60. Clark BW, Niessen T, Apfel A, Luckin J, Lee YZJ, Desai SV, **Garibaldi BT**. Relationship of Physical Examination Technique to Associated Clinical Skills: Results from a Direct Observation Assessment. *Am J Med*. 2022 Jun;135(6):775-782.e10. doi: 10.1016/j.amjmed.2021.11.021. Epub 2021 Dec 31. PMID: 34979094.
61. **Garibaldi BT***, Wang K, Robinson ML, Betz J, Alexander GC, Andersen KM, Joseph CS, Mehta HB, Korwek K, Sands KE, Fisher AM, Bollinger RC, Xu Y. Real-World Effectiveness Of Remdesivir In Adults Hospitalized With Covid-19: A Retrospective, Multicenter Comparative Effectiveness Study. *Clin Infect Dis*. 2021 Dec 15:ciab1035. doi: 10.1093/cid/ciab1035. Epub ahead of print. PMID: 34910128; PMCID: PMC8754724.*corresponding author
62. Robinson ML, Morris CP, Betz JF, Zhang Y, Bollinger R, Wang N, Thiemann DR, Fall A, EldeSouki RE, Norton JM, Gaston DC, Forman M, Luo CH, Zeger SL, Gupta A, **Garibaldi BT***, Mostafa HH*. Impact of SARS-CoV-2 variants on inpatient clinical outcome. *Clin Infect Dis*. 2022 Dec 19:ciac957. doi: 10.1093/cid/ciac957. Epub ahead of print. PMID: 36528815.*contributed equally.
63. Sadoff J, Gray G, Vandebosch A, Cárdenas V, Shukarev G, Grinsztejn B, Goepfert PA, Truyers C, Van Dromme I, Spiessens B, Vingerhoets J, Custers J, Schepers G, Robb ML, Treanor J, Ryser MF, Barouch DH, Swann E, Marovich MA,

Neuzil KM, Corey L, Stoddard J, Hardt K, Ruiz-Guiñazú J, Le Gars M, Schuitemaker H, Van Hoof J, Struyf F, Douoguih M; ENSEMBLE Study Group*. Final Analysis of Efficacy and Safety of Single-Dose Ad26.COV2.S. *N Engl J Med.* 2022 Feb 9. doi: 10.1056/NEJMoa2117608. Epub ahead of print. PMID: 35139271. (***BTG** is a member of the Ensemble adjudication committee).

64. Billman CL, Flinn J, Gadala A, Bowman C, McIlquham T, Sulmonte CJ, **Garibaldi BT**. Creating a Safety Officer Program to Enhance Staff Safety During the Care of COVID-19 Patients. *Health Secur.* 2022 Jun;20(S1):S54-S59. doi: 10.1089/hs.2021.0182. Epub 2022 Apr 28. PMID: 35483094.

65. Fawzy A, Wu TD, Wang K, Robinson ML, Farha J, Bradke A, Golden SH, Xu Y, **Garibaldi BT**. Racial and Ethnic Discrepancy in Pulse Oximetry and Delayed Identification of Treatment Eligibility Among Patients With COVID-19. *JAMA Intern Med.* 2022 Jul 1;182(7):730-738. doi: 10.1001/jamainternmed.2022.1906. Erratum in: *JAMA Intern Med.* 2022 Oct 1;182(10):1108. PMID: 35639368; PMCID: PMC9257583.

66. Flinn J, Michalek A, Bow L, Hynes NA, Philpot D, **Garibaldi BT***. The Use of Temperature and Pressure Data Loggers to Validate the Steam Sterilization of Category A Clinical Waste. *Appl Biosaf.* 2022 Jun 1;27(2):106-115. doi: 10.1089/abp.2022.0003. Epub 2022 May 27. PMID: 36776749; PMCID: PMC9908284. *corresponding author.

67. Casciola-Rosen L, Thiemann DR, Andrade F, Trejo-Zambrano MI, Leonard EK, Spangler JB, Skinner NE, Bailey J, Yegnasubramanian S, Wang R, Vaghasia AM, Gupta A, Cox AL, Ray SC, Linville RM, Guo Z, Searson PC, Machamer CE, Desiderio S, Sauer LM, Laeyendecker O, **Garibaldi BT**, Gao L, Damarla M, Hassoun PM, Hooper JE, Mecoli CA, Christopher-Stine L, Gutierrez-Alamillo L, Yang Q, Hines D, Clarke WA, Rothman RE, Pekosz A, Fenstermacher KZ, Wang Z, Zeger SL, Rosen A. IgM anti-ACE2 autoantibodies in severe COVID-19 activate complement and perturb vascular endothelial function. *JCI Insight.* 2022 May 9;7(9):e158362. doi: 10.1172/jci.insight.158362. PMID: 35349483; PMCID: PMC9090251.

68. Rosen MA, Bertram AK, Tung M, Desai SV, **Garibaldi BT**. Use of a Real-Time Locating System to Assess Internal Medicine Resident Location and Movement in the Hospital. *JAMA Netw Open.* 2022 Jun 1;5(6):e2215885. doi: 10.1001/jamanetworkopen.2022.15885. PMID: 35675075; PMCID: PMC9178434.

69. Grein JD, Garland JA, Arguinchona C, Frank MG, **Garibaldi BT**, Grindle A, Hewlett A, Kline S, Levine CB, Mehta A, Mukherjee V, Sauer LM, Searle EF, Vanairsdale S, Vasa A. Contributions of the Regional Emerging Special Pathogen Treatment Centers to the US COVID-19 Pandemic Response. *Health Secur.* 2022 Jun;20(S1):S4-S12. doi: 10.1089/hs.2021.0188. Epub 2022 Apr 27. PMID: 35483049.

70. Artandi M, Norcini J, **Garibaldi B**, Thadaney Israni S, Kugler J, Kumar A, Russell S. Improving the physical exam: a new assessment and evaluation tool for physical examination skills. *Diagnosis (Berl).* 2022 Mar 17;9(3):393-397. doi: 10.1515/dx-2022-0014. PMID: 35303765.

71. Wang Z, Bowring MG, Rosen A, **Garibaldi BT**, Zeger S, Nishimura A. Learning and Predicting from Dynamic Models for COVID-19 Patient Monitoring. *Statist. Sci.* 37 (2) 251 - 265, May 2022. <https://doi.org/10.1214/22-STS861>

72. Andersen KM, Joseph CS, Mehta HB, Streiff MB, Betz JF, Bollinger RC, Fisher AM, Gupta A, LeMaistre, Robinson ML, Xu Y, Ng DK, Alexander GC, **Garibaldi BT***. Intermediate dose versus standard dose thromboprophylaxis in hospitalized COVID-19 patient: A retrospective cohort study. *Res Pract Thromb Haemost.* 2022;6:e12753. <https://doi.org/10.1002/rth2.12753>. *corresponding author

73. Cowley, H.P., Robinette, M.S., Matelsky, J.K., Xenes D, Kashyap A, Ibrahim NF, Robinson ML, Zeger S, **Garibaldi BT**, Gray-Roncal W. Using machine learning on clinical data to identify unexpected patterns in groups of COVID-19 patients. *Sci Rep* 13, 2236 (2023). <https://doi.org/10.1038/s41598-022-26294-9>.

74. Deal JA, Jiang K, Betz JF, Clemens GD, Zhu J, Reed NS, **Garibaldi BT**, Swenor BK. COVID-19 clinical outcomes by patient disability status: A retrospective cohort study. *Disabil Health J.* 2023 Apr;16(2):101441. doi: 10.1016/j.dhjo.2023.101441. Epub 2023 Jan 12. PMID: 36764842; PMCID: PMC9834120.

75. Tracey E, Wilson J, Abshire Saylor M, Donohue P, Stakias A, **Garibaldi B**, Needham D. TIMS: A Mixed Methods Evaluation of the Impact of a Novel Chaplain Facilitated Recorded Interview Placed in the Medical Chart for the Medical Staff in an ICU During the COVID-19 Pandemic. *J Relig Health.* 2023 Apr 4:1–14. doi: 10.1007/s10943-023-01800-z. Epub ahead of print. PMID: 37014488; PMCID: PMC10072009.

76. Gips JR, Stein AA, Luckin J, **Garibaldi BT**. Internal medicine intern performance on the gastrointestinal physical exam. *Diagnosis (Berl).* 2023 Jul 21. doi: 10.1515/dx-2023-0051. Epub ahead of print. PMID: 37475198.

77. Xiao X, Mehta HB, Curran J, **Garibaldi BT**, Alexander GC; National Covid Cohort Collaborative (N3C) Consortium. Potential drug-drug interactions among U.S. adults treated with nirmatrelvir/ritonavir: A cross-sectional study of the

National Covid Cohort Collaborative (N3C). *Pharmacotherapy*. 2023 Dec;43(12):1251-1261. doi: 10.1002/phar.2860. Epub 2023 Aug 21. PMID: 37539477.

78. Fawzy A, Wu DT, Wang K, Sands KE, Fisher AM, Arnold Egloff AS, DellaVolpe JD, Iwashyna TJ, Xu Yanxun, **Garibaldi BT**. Clinical Outcomes Associated With Overestimation of Oxygen Saturation by Pulse Oximetry in Patients Hospitalized With COVID-19. *JAMA Netw Open*. 2023;6(8):e2330856. doi:10.1010/jamanetworkopen.2023.30856.

79. Velez T, Wang T, **Garibaldi BT**, Singman E, Koutroulis I. Identification and Prediction of Clinical Phenotypes in Hospitalized Patients With COVID-19: Machine Learning From Medical Records. *JMIR Form Res*. 2023 Oct 6;7:e46807. doi: 10.2196/46807. PMID: 37642512; PMCID: PMC10589836.

80. Jose S, Geller G, Bollinger J, Mathews D, Kahn J, **Garibaldi BT**. The ethics of using COVID-19 host genomic information for clinical and public health decision-making: A survey of US health professionals. *HGG Adv*. 2024 Jan 11;5(1):100255. doi: 10.1016/j.xhgg.2023.100255. Epub 2023 Nov 17. PMID: 37978805; PMCID: PMC10746522.

81. Sauer LM, Resnick B, Links JL, **Garibaldi BT**, Rutkow L. Information Challenges Associated With Accessing and Sharing of Patient Information in Disasters: A Qualitative Analysis. *Health Secur*. 2023 Nov-Dec;21(6):479-488. doi: 10.1089/hs.2023.0058. Epub 2023 Oct 27. PMID: 37889613.

82. Menez S, Coca SG, Moledina DG, Wen Y, Chan L, Thiessen-Philbrook H, Obeid W, **Garibaldi BT**, Azeloglu EU, Ugwuowo U, Sperati CJ, Arend LJ, Rosenberg AZ, Kaushal M, Jain S, Wilson FP, Parikh CR; TRIKIC Consortium. Evaluation of Plasma Biomarkers to Predict Major Adverse Kidney Events in Hospitalized Patients With COVID-19. *Am J Kidney Dis*. 2023 Sep;82(3):322-332.e1. doi: 10.1053/j.ajkd.2023.03.010. Epub 2023 May 30. PMID: 37263570; PMCID: PMC10229201.

83. **Garibaldi BT**, Hollon MM, Woodworth GE, Winkel AF, Desai SV. Navigating the Landscape of Precision Education: Insights from On-the-Ground Initiatives. *Acad Med*. 2023 Dec 18. doi: 10.1097/ACM.0000000000005606. Epub ahead of print. PMID: 38109650.

84. Fawzy A, Ali H, Dziedzic PH, Potu N, Calvillo E, Golden SH, Iwashyna TJ, Suarez JI, Hager DN, **Garibaldi BT**. Skin Pigmentation and Pulse Oximeter Accuracy in the Intensive Care Unit: a Pilot Prospective Study. *medRxiv* [Preprint]. 2023 Nov 17:2023.11.16.23298645. doi: 10.1101/2023.11.16.23298645. PMID: 38014046; PMCID: PMC10680877.

85. Sulmonte CJ Jr, Flinn JB, Yusuf H, Martin E, Luciano NJ, Kim H, Choe PG, Das A, **Garibaldi BT**, Hynes NA. Preparing the Frontlines: Delivering Special Pathogen Training to Maryland Hospital Staff. *Health Secur*. 2024 Jan 19. doi: 10.1089/hs.2023.0035. Epub ahead of print. PMID: 38241511.

86. Gleason KT, Tran A, Fawzy A, Yan L, Farley H, **Garibaldi B**, Iwashyna TJ. Does nurse use of a standardized flowsheet to document communication with advanced providers provide a mechanism to detect pulse oximetry failures? A retrospective study of electronic health record data. *Int J Nurs Stud*. 2024 Apr 6;155:104770. doi: 10.1016/j.ijnurstu.2024.104770. Epub ahead of print. PMID: 38676990.

87. Galiatsatos P, **Garibaldi B***, Yao D, Xu Y, Perin J, Shah A, Jackson JW, Piggott D, Flade-Nwulia O, Shubella J, Michtalik H, Belcher HM, Hansel NN, Golden S. Lack of racial and ethnic disparities in mortality in minority patients hospitalised with COVID-19 in a mid-Atlantic healthcare system *BMJ Open Respiratory Research* 2024;11:e002310. doi: 10.1136/bmjresp-2024-002310. *Co-first author

88. Lang K, Chew C, De La Rosa M, Bertram AK, Sharma A, Niessen TM, Stein AA, **Garibaldi BT**. Performance of Cardiovascular Physical Exam Skills by Internal Medicine Residents. *Am J Med*. 2024 May 11:S0002-9343(24)00269-9. doi: 10.1016/j.amjmed.2024.04.039. Epub ahead of print. PMID: 38740321.

89. Fawzy A, Ali H, Dziedzic PH, Potu N, Calvillo E, Golden SH, Iwashyna TJ, Suarez JI, Hager DN, **Garibaldi BT**. Skin Pigmentation and Pulse Oximeter Accuracy in the Intensive Care Unit: A Pilot Prospective Study. *Am J Resp Crit Care*. 2024 May 31. Epub ahead of print. PMID 38820169.

90. Wiesner L, Flinn J, Brewer B, Resnick A, Carrasco SV, **Garibaldi BT**, Wohl DA, Little B, Schnell NA, Wortmann G, DeAtley C, Kappler SB, Fischer WA. Building Clinical Care Capacity for Patients With Special Pathogens in Advance of the Next Outbreak. *Health Secur*. 2024 Sep;22(S1):S66-S75. doi: 10.1089/hs.2023.0163. Epub 2024 Aug 21. PMID: 39166281.

91. Bhat SZ, Wu J, Perin J, Wang K, Robinson ML, **Garibaldi BT**, Mathioudakis N. Effectiveness of Dexamethasone for COVID-19 in Hospitalized Patients with Diabetes: A Retrospective Cohort Study. *J Clin Endocrinol Metab*. 2024 Oct 17:dgae734. doi: 10.1210/clinem/dgae734. Epub ahead of print. PMID: 39418352.

92. Alexander GC, **Garibaldi BT**, An H, Andersen KM, Robinson ML, Wang K, Xu Y, Betz JF, Wu AW, Fisher A, Egloff SA, Sands KE, Mehta HB. Hospital-Level Variation in COVID-19 Treatment Among Hospitalized Adults in the United

States: A Retrospective Cohort Study. *Med Care*. 2024 Oct 18. doi: 10.1097/MLR.0000000000002086. Epub ahead of print. PMID: 39422569.

93. Chew C, Lang K, De La Rosa M, Bertram AK, Stein AA, Sharma A, Niessen TN, **Garibaldi BT**. Performance of the Cardiovascular Point-of-Care Ultrasound Exam by Internal Medicine Residents. *POCUS Journal*. In press, 2025
94. **Garibaldi BT**, Hollon M, Knopp MI, Winkel AF, Burk-Rafel J, Caretta-Weyer H. How Data Analytics Can Be Leveraged to Enhance Graduate Clinical Skills Education. *J Grad Med Educ*. In press, 2020.

b. Invited Reviews and Commentaries

1. **Garibaldi BT**, Illei P, Danoff S. Bronchiolitis. *Immunology and Allergy Clinics of North America*. 2012 Nov; 32(4):601-619. PMID: 23102068.
2. **Garibaldi BT** and Danoff SD. Symptom-based management of the Idiopathic Interstitial Pneumonias. *Respirology*, 2016 Nov;21(8):1357-1365. PMID: 26450007
3. Russell S and **Garibaldi BT**. The Other Sylvian Fissure: Exploring the Divide Between Traditional and Modern Bedside Rounds. *South Med J*, 2016 Dec;109(12):747-749. PMID: 27911965 [Expert Opinion]
4. **Garibaldi BT** and Chertow DS. High-Containment Pathogen Preparation in the Intensive Care Unit. *Infect Dis Clin North Am*. 2017 Sep;31(3):561-576. PMID: 28779833
5. **Garibaldi BT** and Olson APJ. The Hypothesis Driven Physical Exam. *Med Clin North Am*. 2018 May;102(3). PMID: 29650065 [Expert Opinion]
6. **Garibaldi, BT**. The Clinical Examination in 21st Century Medicine. *Med Clin North Am*. 2018 May;102(3). PMID: 29650078 [Expert Opinion]
7. Omron R, Kotwal S, **Garibaldi BT**, Newman-Toker DE. The Diagnostic Performance Feedback “Calibration Gap”: Why Clinical Experience Alone Is Not Enough to Prevent Serious Diagnostic Errors. *AEM Education and Training*. 2018 Oct; 2(4): 339-342. [Expert Opinion]
8. **Garibaldi BT**, Zaman J, Artandi MK, Elder AT, Russell SW. Reinvigorating the clinical exam for the 21st century. *Polish Archives of Internal Medicine*, November 28, 2019. [Expert Opinion]
9. Jacobsen AP, Khiew YC, Murphy SP, Lane CM, **Garibaldi BT**. The Modern Physical Exam – A Transatlantic Perspective from the Resident Level. *Teaching and Learning in Medicine*. 24 Feb 2020. [Expert Opinion]
10. Russell SW, Desai SV, O'Rourke P, Ahuja N, Patel A, Myers CG, Zulman D, Sateia HF, Berkenblit GV, Johnson EN, **Garibaldi BT**. [The genealogy of teaching clinical reasoning and diagnostic skill: the GEL Study](#). *Diagnosis (Berl)*. 2020 Mar 9. PMID: 32146439 [Expert Opinion]
11. Russell SW, Ahuja N, Patel A, O'Rourke P, Desai SV and **Garibaldi BT**. Peabody's Paradox: Balancing Patient Care and Medical Education in a Pandemic. *J Grad Med Educ*. 2020, 12 (3): 264–268. PMID: 32595841 [Expert Opinion]
12. Ehmann MR, Zink EK, Levin AB, Suarez JI, Belcher HM, Daugherty Biddison EL, Doberman DJ, D'Souza K, Fine DM, **Garibaldi BT**, Gehrie EA, Golden SH, Gurses AP, Hill PM, Hughes MT, Kahn J, Koch CG, Marx JJ, Meisenberg BR, Natterman J, Rushton CH, Sapirstein A, Selinger SR, Stephens RS, Toner ES, Unguru Y, van Stone M, Kachalia A. Operational recommendations for scarce resource allocation in a public health crisis. *Chest*. 2020 Sep 26. PMID: 32991873
13. Chen Y, Klein SL, **Garibaldi BT**, Li H, Wu C, Osevala NM, Li T, Margolick JB, Pawelec G, Leng SX. [Aging in COVID-19: Vulnerability, immunity and intervention](#). *Ageing Res Rev*. 2020 Oct 30:101205. doi: 10.1016/j.arr.2020.101205. Online ahead of print. PMID: 33137510.
14. Su H, Di Lallo A, Murphy RR, Taylor RH, **Garibaldi BT**, Krieger A. Physical human–robot interaction for clinical care in infectious environments. *Nat Mach Intell* 3, 184–186 (2021). <https://doi.org/10.1038/s42256-021-00324-z> [Expert Opinion]
15. **Garibaldi BT**, Elder A. Seven reasons why the physical examination remains important. *J R Coll Physicians Edinb*. 2021 Sep;51(3):211-214. Doi: 10.4997/JRCPE.2021.301. PMID: 34528605. [Expert Opinion]
16. Hughes MT, Auwaerter PG, Ehmann MR, **Garibaldi BT**, Golden SH, Lorigiano TJ, O'Conor KJ, Kachalia A, Kahn J. Opinion: The importance of offering vaccine choice in the fight against COVID-19. *Proceedings of the National Academy of Sciences*. Oct 2021, 118 (43) e2117185118; DOI: 10.1073/pnas.2117185118 [Expert Opinion]
17. **Garibaldi BT** and Russell SW. Strategies to Improve Bedside Clinical Skills Teaching. *Chest*. 2021 Dec;160(6):2187-2195. doi: 10.1016/j.chest.2021.06.055. Epub 2021 Jul 6. PMID: 34242633.

18. Robinson ML, **Garibaldi BT**, Lindquist MA. When Clinical Prediction is Steering the Ship, Beware the Drift of Its Wake. *Ann Int Med.* [Epub 10 October 2023]. doi:[10.7326/M23-2345](https://doi.org/10.7326/M23-2345) [Expert Opinion]

c. Case Reports, Letters, Editorials

Case Reports

1. **Garibaldi B**, Dunbar K. An ominous finding. *Am J Med.* 2006 Mar;119(3):238-40. PMID:16490467
2. **Garibaldi B**, Zaas D. An unusual case of cardiac amyloidosis. *J Gen Intern Med.* 2007 Jul;22(7):1047-52. PMID: 17447098
3. **Garibaldi B**, Schulman S. Tropical rhythm. *Am J Med.* 2007 Jul;120(7):584-5. PMID: 17602928
4. **Garibaldi B**, King KE, Jaffe JM, Moliterno AR. Hypersplenism induced by splenic vein ligation. *Am J Hematol.* 2008 Mar;83(3):242-4. PMID: 17874452
5. **Garibaldi BT**, Cameron SJ, Choi M. Pseudohyponatremia in a patient with HIV and hepatitis C coinfection. *J Gen Intern Med.* 2008 Feb;23(2):202-5. PMID: 17994269
6. Cho E, **Garibaldi BT**, Hager D. A 41-year old woman with AIDS and recurrent Pneumonia. *Chest.* 2010 Jan;137(1):224-7. PMID: 20051409
7. Larocca CA, McEvoy JW, Ellis CL, Junkins-Hopkins J, Kolb T, Baer AN, **Garibaldi BT**. Schnitzler's syndrome associated with pancreatitis: a disease of IL-1 dysregulation. *Clin Rheumatol.* 2012 Jan;31(1):169-74. PMID: 21710158.
8. Paulin LM, West NE, Akulian JA, **Garibaldi BT**. Endobronchial Tuberculosis with Anthracofibrosis. *Am J Respir Crit Care Med.* 2014 Jul 15;190(2):226. PMID: 25025354
9. **Garibaldi BT**, West NE, Illei PB, Terry PB. Bronchiolitis obliterans organizing pneumonia following a jalapeño grease fire. *Chest.* 2015 Feb;147(2):e31-e33. doi: 10.1378/chest.14-1338. PMID: 25644912.
10. Hammami MB, **Garibaldi B**, Shah P, Liu G, Jain T, Chen PH, Kim AK, Avdic E, Petty B, Strout S, Fine DM, Niranjan-Azadi A, Garneau WM, Cameron AM, Monroy Trujillo JM, Gurakar A, **Avery R**. Clinical Course of COVID-19 in a Liver Transplant Recipient on Hemodialysis and Response to Tocilizumab Therapy: A Case Report. *Am J Transplant.* 2020 May 2. PMID: 32359210
11. Minhas AS, Scheel P, **Garibaldi BT**, Liu G, Horton M, Jennings M, Jones SR, Michos ED, Hays AG. Takotsubo Syndrome in the Setting of COVID-19 Infection. *JACC Case Rep.* 2020 May 1.
12. Boonyasai RT, Murthy VK, Yuen-Gee Liu G, **Garibaldi BT**, Brotman DJ, Streiff MB, Omron R. Venous Thromboembolism in Hospitalized Patients With COVID-19 Receiving Prophylactic Anticoagulation. *Mayo Clin Proc.* 2020 Oct;95(10):2291-2293. doi: 10.1016/j.mayocp.2020.08.014. Epub 2020 Aug 13. PMID: 33012363; PMCID: PMC7425540.

Letters

1. **Garibaldi BT**, Kugler J, Goyal A, Ozdalga E, Niessen T, Liu G, Manesh R, Desai S, Elder A. The physical examination, including point of care technology, is an important part of the diagnostic process and should be included in educational interventions to improve clinical reasoning. *Diagnosis (Berl).* 2018 Oct 30. PMID: 30375346 [LT]
2. **Garibaldi BT**, Russell SW. Strategies to Avoid the "Hemolyzed" Physical Examination. *JAMA Intern Med.* 2019 Jul 1;179(7):1000. PMID 31260013 [LT]
3. Russell SW, **Garibaldi BT**, Elder AT, Verghese A. The power of touch. *The Lancet.* 4 April 2020. [LT]

Editorials

1. **Garibaldi BT** and Maragakis LL. Ebola outbreak reminds us that we need pandemic preparedness. *The Hill.* 2019 Feb 4. [ED]
2. Russell SW, Desai SV, **Garibaldi BT**. Burnout: A Crisis Among Physicians in Training. *The Baltimore Sun*, June 20, 2019. [ED]
3. Goldhaber-Fiebert SN, Greene JA, **Garibaldi BT**. Low-flow nasal cannula and potential nosocomial spread of COVID-19. *British Journal of Anaesthesia.* 2020 May 17. PMID: 32425208. [ED]

B. Books

1. **Garibaldi B**, ed. Patient Encounters: The Internal Medicine Workup. Philadelphia: Lippincott Williams & Wilkins, 2009.
2. **Garibaldi B**, ed. Pulmonary and Critical Care Section. The Johns Hopkins Internal Medicine Board Review: Certification and Recertification: Expert Consult, 5th edition. Philadelphia: Elsevier, 2015.
3. Wiener CM (ed), Capelli LC (ed), **Garibaldi BT (ed)**, Marshall CH (ed), Houston B (ed). Harrison's Principles of Internal Medicine Self-Assessment and Board Review, 19th Edition. New York: McGraw Hill, 2021.

C. Chapters

1. **Garibaldi B** and Feller-Kopman D. Use of Ultrasound for Central Venous Access. In Bolliger CT, et al, eds. Clinical Chest Ultrasound: From the ICU to the Bronchoscopy Suite. Karger: Basel, Switzerland, 2009.
2. **Garibaldi B**. Atrial Fibrillation and Atrial Flutter. In Garibaldi B, ed. Patient Encounters: The Internal Medicine Workup. Philadelphia: Lippincott Williams & Wilkins, 2009.
3. **Garibaldi B**. Approach to the Pulmonary Evaluation. In Garibaldi B, ed. Patient Encounters: The Internal Medicine Workup. Philadelphia: Lippincott Williams & Wilkins, 2009.
4. **Garibaldi B**. Pneumonia. In Garibaldi B, ed. Patient Encounters: The Internal Medicine Workup. Philadelphia: Lippincott Williams & Wilkins, 2009.
5. **Garibaldi B**. Approach to the Gastrointestinal Evaluation. In Garibaldi B, ed. Patient Encounters: The Internal Medicine Workup. Philadelphia: Lippincott Williams & Wilkins, 2009.
6. **Garibaldi B**. Hyponatremia. In Garibaldi B, ed. Patient Encounters: The Internal Medicine Workup. Philadelphia: Lippincott Williams & Wilkins, 2009.
7. **Garibaldi B**. Hyperkalemia. In Garibaldi B, ed. Patient Encounters: The Internal Medicine Workup. Philadelphia: Lippincott Williams & Wilkins, 2009.
8. **Garibaldi BT** and Danoff SD. Interstitial Lung Diseases/Diffuse Parenchymal Lung Diseases. In Principles and Practice of Hospital Medicine. New York: McGraw-Hill, 2015.
9. Reimers M, Hughes JA, and **Garibaldi BT**. Staffing. In Hewlett A, Murthy K and Rehka A, eds. Bioemergency Planning: A Guide for Healthcare Facilities. New York: Springer, 2018.
10. **Garibaldi BT**, Conger NG, Withers MR, Hatfill SJ, Gutierrez-Nunez JJ, Christopher GW. Aeromedical Evacuation of Patients with Contagious Infections. In Hurd WW and Beninati W, eds. Aeromedical Evacuation: Management of Acute and Stabilized Patients. New York: Springer, 2019.
11. Burnim MS and **Garibaldi BT**. COVID-19 and Health Care Delivery in a Pandemic. In Cameron JL and Cameron AM, eds. Current Surgical Therapy, 14th Edition. Elsevier, 2023.
12. **Garibaldi BT**, Hoffman CJ, Robinson ML. COVID-19. In Kaminski DA, ed. The Netter Collection of Medical Illustrations: Respiratory System, Volume 3, 3rd Edition. Elsevier, 2024.

K. Oral Abstracts / Presentations (*denotes presenting author)

1. **Garibaldi, B.*** Pancreatico-Broncho-Cutaneous Fistula from Necrotizing Pancreatitis. Presented at Chest, 2008 (Awardee, Best case report in Interventional Bronchology).
2. **Garibaldi B***, D'Alessio F, Files DC, Chau E, Sidhaye R, Fraig M, King LS. Regulatory T-lymphocytes Play a Key Role in the Fibroproliferative Response to Acute Lung Injury. Presented at ATS, 2010
3. **Garibaldi B***, D'Alessio F, Mock J, Files DC, Chau E, Aggarwal N, Sidhaye R, King LS. Regulatory Tcells reduce fibroproliferation after LPS injury by decreasing fibrocyte recruitment to the alveolar space. Presented at the Respiratory Disease Young Investigators' Forum, 2011 (Awardee, Best basic science presentation).
4. Drewry D, Rainwater-Lovett K, Pilholksi T, Sage FC, Shaw-Saliba K, Sauer L, Bova G, Hamel J, Drewry D, **Garibaldi B***. Transmission of Fluorescent Aerosolized Particles in a Clinical Biocontainment Unit. Presented at the American Society of Microbiology Biothreats Conference, Washington DC, 2017.
5. Liu G, Shin S, Goerlich E, Zhang C, Nassery N, Madrazo J, **Garibaldi B**. Attitudes, Knowledge, and Clinical Application of Point of Care Ultrasound: A Needs Assessment of Internal Medicine Interns. Johns Hopkins Institute for Excellence in Education (IEE) Conference and Celebration, Baltimore, MD, April 2018.

COVERAGE AND APPEARANCES

Media Releases or Interviews

1/24/2020 Interviewed by Associated Press. [Too soon to tell if new virus as dangerous as SARS cousin](#) (online story).

1/24/2020 Interviewed by National Geographic. [How the coronavirus outbreak in China impacts Lunar New Year travel](#) (online story).

1/26/2020 Interviewed by the Pioneer. [New coronavirus as dangerous as SARS? No clarity yet](#) (online story).

1/27/2020 Interviewed by Consumer Report. What You Need to Know About the Wuhan Coronavirus (online story).

1/27/2020 Interviewed by CBS WBOC. [Johns Hopkins Specialized Unit](#) (TV segment on local TV news).

1/27/2020 Interviewed by CBS13 WJZ. [With Coronavirus Cases Growing, Johns Hopkins Specialized Unit Prepared To Take Patients](#) (TV segment on local TV news).

1/27/2020 Interviewed by CBS DC [Specialized Unit at Johns Hopkins Prepared to Take Coronavirus Case](#) (TV segment on local TV news).

1/29/2020 Interviewed by Baltimore Sun. [Coronavirus preparation underway at Maryland hospitals and schools as state awaits results of first test](#) (newspaper article).

1/29/2020 Interviewed by WTOP. [Coronavirus? Johns Hopkins doctor says you're more likely to get the flu](#) (online story).

1/29/2020 Live appearance on the Kojo Nnamdi show. WAMU-FM/D.C. [Combating the coronavirus in the capital](#) (radio appearance).

1/29/2020 Interviewed by Baltimore Sun. [What is coronavirus and what precautions should people be taking?](#) (newspaper article).

1/29/2020 Interviewed by Capital Gazette. [Coronavirus preparation underway at Maryland hospitals and schools as state awaits results of first test](#) (online story with print and video interview).

1/29/2020 Interviewed by Long Room News. [Coronavirus? Johns Hopkins doctor says you're more likely to get the flu](#) (online story).

1/29/2020 Interview by The World News [Coronavirus? Johns Hopkins doctor says you're more likely to get the flu](#) (online story).

1/30/2020 Live appearance on Sky News (U.K.) [Interview with Dr. Brian Garibaldi](#) (Live international TV appearance).

2/21/2020 Interviewed by [WUSA TV DC](#) (local TV news broadcast).

2/26/2020 Live appearance on [Yahoo Finance](#) (online news program –100 million international viewers monthly).

2/27/2020 Interviewed with PBS News Hour, Business Insider and Agence France-Press (online story).

2/28/2020 Interviewed by KNX LA radio about COVID-19 (live radio broadcast).

3/4/2020 Interviewed by WUSA TV (Local TV news special about COVID-19).

3/4/2020 Interviewed by [60 Minutes](#) about the BCU (opening segment about BCU).

3/11/2020 Interviewed by NRK (Norwegian PBS), Channel 4 News (UK-based NBC affiliate), Univision (National), Telemundo (DC) and Science News (National) about the BCU (Segment on TV news programs on all channels).

3/26/2020 Interviewed by [CNN](#) about hydroxychloroquine study and COVID-19 experience (aired on the Anderson Cooper show).

3/27/2020 Interviewed by the [Wall Street Journal](#) about COVID-19 pathobiology (newspaper article).

4/8/2020 Interviewed by [Baltimore Sun](#) about COVID-19 in Maryland (newspaper article)

4/8/2020 Live appearance on [Yahoo Finance](#) (online news program –100 million international viewers monthly).

4/22/2020 Live appearance on [Yahoo Finance](#) (online news program –100 million international viewers monthly).

5/3/2020 Featured on front page article in [Baltimore Sun](#) about frontline COVID-19 care (newspaper article).

5/6/2020 Live appearance on [Yahoo Finance](#) (online news program –100 million international viewers monthly).

5/22/2020 Live appearance on [Yahoo Finance](#) (online news program –100 million international viewers monthly).

6/4/2020 Live appearance on [Yahoo Finance](#) (online news program –100 million international viewers monthly).

6/12/2020 Interviewed by WJZ TV. [Marathon Runner In Peak Physical Condition Hospitalized By COVID-19; Now On The Road To Recovery](#) (Segment on TV news and online story).

6/19/2020 Live appearance on [Yahoo Finance](#) (online news program –100 million international viewers monthly).

6/23/2020 Interviewed by WJZ. [Howard County couple treated together for coronavirus now back home recovering](#) (segment on local TV news.)

6/24/2020 Interviewed by [Science News](#) for article on dexamethasone (online article).

7/15/2020 Live appearance on [Yahoo Finance](#) (online news program –100 million international viewers monthly).

7/24/2020 [Medscape interview](#) about communication with ICU families (online article).

8/3/2020 Interviewed by [Washington Post](#) on safety of air travel in the pandemic (newspaper article)

8/6/2020 Live appearance on [Yahoo Finance](#) (online news program –100 million international viewers monthly).

8/8/2020 Interviewed by FOX45 about COVID-19 (TV news segment).

8/11/2020 Interviewed by WBAL News Radio Rob Lang about COVID-19 (live radio interview).

8/26/2020 Live appearance on [Yahoo Finance](#) (online news program –100 million international viewers monthly).

8/30/2020 Interviewed by [Fox News](#) about lung transplant and COVID-19. [Will some COVID-19 survivors require a lung transplant to fully recover?](#) (online article).

9/1/2020 Interviewed by Fox news. [People 'in their 20s, 30s and 40s' becoming key spreaders of COVID-19, experts say](#) (TV news segment).

9/4/2020 Live appearance on [Yahoo Finance](#) (online news program –100 million international viewers monthly).

9/17/2020 Live appearance on [Yahoo Finance](#) (online news program –100 million international viewers monthly).

9/19/2020 Interviewed by the Providence Journal. [Many unanswered questions as New England nears flu season amid coronavirus pandemic](#) (online article).

9/23/2020 Interviewed by Johns Hopkins Media. [Johns Hopkins Researchers Publish COVID-19 'Prediction Model'](#) (online article).

9/23/2020 Interviewed by WJZ CBS Baltimore. [Johns Hopkins Researchers Release Model That Aims To Forecast Whether A COVID-19 Patient's Condition Will Improve, Deteriorate](#) (TV news segment).

9/28/2020 Interviewed by Medscape. [Model Predicts Severe Disease in Those With COVID-19](#) (online article).

10/3/2020 Featured in article by WJZ CBS Baltimore. [Johns Hopkins Doctor Among Those Assisting With COVID-19 Treatment Plan For President Trump](#) (online article).

10/3/2020 [Live press conference](#) regarding the care of President Trump (featured on multiple stations and newsfeeds internationally).

10/4/2020 [Live press conference](#) regarding the care of President Trump (featured on multiple stations and newsfeeds internationally).

10/5/2020 [Live press conference](#) regarding the care of President Trump (featured on multiple stations and newsfeeds internationally).

10/9/2020 Hopkins Medicine Matters Blog. [Garibaldi Treats President Trump](#) (online article).

10/15/2020 Interviewed by AARP. [How Coronavirus Drugs Are Helping Patients](#) (online article).

10/20/2020 Hopkins History Moments. [Neil A. Grauer tells the story of Johns Hopkins physicians who have served U.S. presidents and their families.](#) (online article).

10/22/2020 Live appearance on [Yahoo Finance](#) (online news program –100 million international viewers monthly).

10/28/2020 Live appearance on [Yahoo Finance](#) (online news program –100 million international viewers monthly).

11/3/2020 Interviewed by [Fox news](#) about the Great Barrington Declaration (online story).

11/13/2020 Interviewed by [Washington Post](#) about COVID-19 risk trackers (newspaper article).

11/16/2020 Live appearance on [Yahoo Finance](#) (online news program –100 million international viewers monthly).

11/18/2020 Prepared story on Thanksgiving planning with [Hopkins](#) media.

12/7/2020 Live appearance on [Yahoo Finance](#) (online news program –100 million international viewers monthly).

1/4/2021 Live appearance on [Yahoo Finance](#) (online news program –100 million international viewers monthly).

1/25/2021 Live appearance on [Yahoo Finance](#) (online news program –100 million international viewers monthly).

2/22/2021 Live appearance on [Yahoo Finance](#) (online news program –100 million international viewers monthly).

3/11/2021 Live appearance on [Yahoo Finance](#) (online news program –100 million international viewers monthly).

3/24/2021	Manuscript on remdesivir featured on CNN .
3/24/2021	Interview by CNN. https://www.cnn.com/world/live-news/coronavirus-pandemic-vaccine-updates-03-24-21/h_1435af98b8ac1a5c8d8b8b6a77e11591
4/5/2021	Live appearance on Yahoo Finance (online news program –100 million international viewers monthly).
5/24/2021	Live appearance on Yahoo Finance (online news program –100 million international viewers monthly).
6/4/2021	Physician and Musician: Johns Hopkins Doctor Brings Passion for Music to Medicine During Pandemic. Featured on Mirage News .
6/5/2021	Doctor brings passion for music to medicine. Live interview including guitar performance on NewsNowFox.
6/21/2021	Live appearance on Yahoo Finance (online news program –100 million international viewers monthly).
8/23/2021	Winning in Medicine: Victories Large and Small- Even when times are tough, there's still hope. Anamnesis. Medscape Podcast hosted by Amy Faith Ho.
9/1/2021	Clinicians at Johns Hopkins Create Artful Collaboration: Poetry and music to mark a year of pandemic. Hospital Employee Health. September 2021, Vol. 40, No. 9, p 97-108
12/7/2021	Live appearance on Yahoo Finance (online news program –100 million international viewers monthly).
1/4/2022	Live appearance on Yahoo Finance (online news program –100 million international viewers monthly).
1/7/2022	Article in the American Board of Medical Specialties (ABMS) newsletter. Visiting Scholars Program Inspired and Opened Doors for Physician on the COVID-19 Frontlines.
1/18/2022	"I planned a trip to a country the CDC labeled 'Do not travel'. Should I cancel?" Lonely planet website.
5/31/2022	Pulse Oximeters Are Less Accurate Among Black, Hispanic and Asian Covid-19 Patients: Devices flag low oxygen levels more reliably in white patients, according to study . The Wall Street Journal.
5/31/2022	Faulty oxygen readings delayed Covid treatments for darker-skinned patients, study finds . STAT news (online story).
6/2/2022	Faulty pulse oximeter readings delayed life-saving treatments for Black COVID-19 patients, research finds . Insider (online story).
6/5/2022	Inaccurate pulse oximeter measurements delayed COVID treatment for people of color . NPR's Weekend Edition. (radio broadcast).
6/7/2022	Study: Ineffective blood oxygen readers have endangered Black and Latino Covid patients . NBC News (online story).
6/17/2022	Racial, ethnic biases in pulse oximetry accuracy may have delayed COVID-19 treatment for some . Healio News (online story).
6/29/2022	The problem with pulse ox . ACP Hospitalist (online story).
7/2/2022	Flawed oxygen readings may be behind Covid-19's toll on people of color . Politico Magazine (online story).
8/28/2022	Did a flawed pandemic tool lead to more deaths among Blacks, Hispanics? N.J. docs call for answers . New Jersey.com (online story).
10/31/2022	Telltale signs of a 'tripledemic.' Hopkins Hub (online story).
4/16/2023	Why the World's Most Deadly Viruses Are Becoming More Dangerous . The Daily Beast.
9/27/2023	Posts mislead on Mayo Clinic's hydroxychloroquine webpage . The Associated Press.
2/3/2025	Laughter is Resistance . The Aspen Times.

Other Media

1. Garibaldi BT, Masur S, Watto M, Williams P, Brigham S, Berk J. Physical Exam Series: Approach to Shortness of Breath. The Curbsiders Internal Medicine Podcast. <https://www.thecurbsiders.com>. 13 Oct 2020. [podcast]
2. Public Health on Call Podcast with Josh Sharfstein - <http://johnshopkinssph.libsyn.com/what-its-like-to-treat-patients-with-covid-19-a-doctors-perspective>. 28 March 2020.
3. Anesthesia and Critical Care Reviews and Commentary (ACCRAC). Lessons from COVID patients in the ICU. <http://accrac.com/episode-170-lessons-from-40-covid-patients-in-the-icu-with-brian-garibaldi/>. 4 April 2020
4. Center Maryland "The Conference Call" Podcast with Damien O'Dougherty. <https://the-conference-call.simplecast.com/episodes/04-dr-brian-garibaldi-on-the-view-of-covid-19-from-the-johns-hopkins-biocontainment-unit>. 6 May 2020.

5. Johns Hopkins Medicine Podcast. Less Death and Fewer Hospitalizations. 19 Oct, 2021 (Broadcast nationally on CBS Radio, Voice of America, and a host of radio stations and syndicates nationally and internationally).
6. Johns Hopkins Medicine Podcast. No Symptoms. 19 Oct, 2021 (Broadcast nationally on CBS Radio, Voice of America, and a host of radio stations and syndicates nationally and internationally).
7. Johns Hopkins Medicine Podcast. Covid Upside. 19 Oct, 2021 (Broadcast nationally on CBS Radio, Voice of America, and a host of radio stations and syndicates nationally and internationally).
8. Johns Hopkins Medicine Podcast. Covid Calculations. 19 Oct, 2021 (Broadcast nationally on CBS Radio, Voice of America, and a host of radio stations and syndicates nationally and internationally).
9. Johns Hopkins Medicine Podcast. Antibodies and Covid. 1 Feb, 2021 (Broadcast nationally on CBS Radio, Voice of America, and a host of radio stations and syndicates nationally and internationally).
10. Johns Hopkins Medicine Podcast. Using Antibodies. 1 Feb, 2021 (Broadcast nationally on CBS Radio, Voice of America, and a host of radio stations and syndicates nationally and internationally).
11. Johns Hopkins Medicine Podcast. Other Covid Drugs. 1 Feb, 2021 (Broadcast nationally on CBS Radio, Voice of America, and a host of radio stations and syndicates nationally and internationally).
12. Johns Hopkins Medicine Podcast. Oxygen and ICUs. 1 Feb, 2021 (Broadcast nationally on CBS Radio, Voice of America, and a host of radio stations and syndicates nationally and internationally).
13. Johns Hopkins Medicine Podcast. Virus Challenge. 1 Feb, 2021 (Broadcast nationally on CBS Radio, Voice of America, and a host of radio stations and syndicates nationally and internationally).
14. Johns Hopkins Medicine Podcast. New Variants. 8 Feb, 2021 (Broadcast nationally on CBS Radio, Voice of America, and a host of radio stations and syndicates nationally and internationally).
15. Johns Hopkins Medicine Podcast. Saliva Testing. 8 Feb, 2021 (Broadcast nationally on CBS Radio, Voice of America, and a host of radio stations and syndicates nationally and internationally).
16. Johns Hopkins Medicine Podcast. Vaccine Trials. 8 Feb, 2021 (Broadcast nationally on CBS Radio, Voice of America, and a host of radio stations and syndicates nationally and internationally).
17. When the Dust Settles. Original Poem by Robin Lewis-Cherry set to original music by Brian Garibaldi.
<https://www.youtube.com/watch?v=4iLhMr0-FcE>.
18. **Garibaldi, B.** Resuscitating the Bedside Clinical Examination. *AudioDigest Emergency Medicine* 38:17 (September 7 2021)
19. **Garibaldi, B.** Connecting with Patients: The Healing Power of Music. CLOSLER: Moving us Closer to Osler.
<https://closler.org/connecting-with-patients/the-healing-power-of-music>.
20. ABMS Visiting Scholars Website. <https://www.abms.org/news-events/visiting-scholars-program-inspired-and-opened-doors-for-physician-on-the-covid-19-frontlines/>
21. Public Health on Call Podcast with Stephanie Desmon - Advances in Treating Hospitalized COVID Patients.
<https://johnshopkinssph.libsyn.com/459-advances-in-treating-hospitalized-covid-patients>, April 22, 2022.
22. How a Biocontainment Unit Helped Lead the Response to COVID-19. Interview with Ralph Hruban at Johns Hopkins.
<https://youtu.be/spwl7rgvieg>, August 21, 2023.

Other

1. Honoring our Pandemic Experience (HOPE) Initiative and Music for a While – played live guitar in the Weinberg Pavilion, Johns Hopkins Outpatient Center and Balducci's as part of a collaboration with Peabody Conservatory. Performance dates: March 8, March 22, March 24, December 13, 2022; May 1, July 12, August 1, August 7, 2023.
2. Peabody Preparatory – Guitar lessons with Gregory Hayes and Leonard Ranallo; June 2021-May 2024.
3. Played introductory guitar music for medical grand rounds - April 22, 2022 (JHH), March 10, 2023 (JHH), May 5, 2023 (JHH), January 22, 2025 (Northwestern).
4. Played original guitar music during the HOPE Service of Remembrance, Gratitude and Hope, December 14, 2022.
5. Original guitar compositions played on WYPR morning edition by Ashley Sterner on several occasions in 2022, 2023 and 2024.
6. Played in Peabody Preparatory Recital on May 17, 2022 and May 10, 2023. Griswold Hall, Peabody Conservatory, Baltimore, MD.
7. Played in the Northwestern Department of Medicine Holiday Battle of the Bands, December 12, 2024.