

CURRICULUM VITAE  
**Ricky Darnell Grisson, II, MD, MBA, MPH**

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 Westborough, MA 01581

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EDUCATION

Undergraduate 08/96-05/00	Bachelor of Arts (Chemistry), Zanvyl Krieger School of Arts and Sciences, Johns Hopkins University, Baltimore, MD Phi Beta Kappa, <i>cum laude</i> and departmental honors
Graduate 05/03-05/04	Master in Business Administration, Goizueta Business School Emory University, Atlanta, GA El Paso Energy Scholar (part of medical program)
Medical School 08/01-07/07	Medical Doctorate, Harvard Medical School, Boston, MA Oliver Wendell Holmes Society <i>magna cum laude</i> /honors in a special field of Molecular and Cellular Virology
Advanced Degree 08/10-05/12	Master of Public Health, Geisel School of Medicine at Dartmouth Dartmouth Institute for Health Policy and Clinical Practice Lebanon, NH (part of fellowship program)

POSTGRADUATE TRAINING

Residency 07/07-07/10	Clinical Pathology Resident Massachusetts General Hospital, Boston, MA,
Fellowship 08/10-04/13	National VA Quality Scholars, White River Junction VA Medical Center, White River Junction, VT

HONORS AND AWARDS

2023	Brown Advocates for Social Change and Equity, Fellow Alpert Medical School, Brown University
2007	Graduate <i>Magna Cum Laude</i> , Harvard Medical School Honors in a special field of Virology
2007	McGraw Hill-Lange Book Award, Harvard Medical School
2003	Goizueta Business School, El Paso Energy Scholarship
2003-2004	Goizueta Business School Dean's List

2003	NMD-Bristol-Myers Squibb Academic Medicine Fellowship
2003	HMS American Academy of Neurology/Aventis Minority Scholarship
2002	HMS Paul Dudley White/Andrew Sellard International Research Fellowship
2002	HMS NIH /Minority Trainee Research Forum Research Award,
2001	HMS Hinton-Wright Society, Pfeiffer Fellowship
2001	HMS National Medical Fellowships Scholarship,
2000	JHU Phi Beta Kappa, Alpha of Maryland JHU Golden Key National Honor Society (Treasurer) JHU DuPont Academic Excellence Award,
1996-2000	The Johns Hopkins University, Dean's List,
1996-2000	The Johns Hopkins University, Outstanding Service Award
1996-2000	The Johns Hopkins University, Michael and Jacqueline Vassallo Scholar
1996-2000	The Johns Hopkins University, Beneficial-Hodson Scholar
1999	JHU AKA Educational Advancement Foundation Scholar
1999	JHU Merck/UNCF Science Initiative Fellowship,
1999	JHU NSBE-HOMES Continuing Education and Expanding the Opportunity Award,

#### PROFESSIONAL LICENSES AND BOARD CERTIFICATION

04/16-Current	Rhode Island Medical License MD15414
05/12-11/22	Medical Board of California (License No. A121170, inactive)
08/12-Current	American Board of Pathology-Clinical Pathology (Diplomat #31842) National Provider Identification Number (1093910606)

#### ACADEMIC APPOINTMENTS

08/16-present	Assistant Professor of Pathology The Warren Alpert Medical School of Brown University, Providence, RI
04/13-8/16	Assistant Professor of Laboratory Medicine University of Washington, School of Medicine, Seattle, WA
12/12-04/13	Adjunct Professor School of Mathematics, Biological, Exercise and Physical Sciences San Diego Miramar College, San Diego, CA
01/11-04/13	Instructor, Department of Community and Family Medicine Geisel School of Medicine, at Dartmouth, Hanover, NH

INDUSTRY AND HOSPITAL APPOINTMENTS

- 01/24-present      NyLa Laboratories, LLC  
CLIA, Pathology and Laboratory Medicine Consultant
- *Inspected Anatomic Pathology Labs at Hospital Batista de Souza (HBS) in Mindelo, and Hospital Agostinho Nieto (HUAN) in Praia, Republic of Cabo Verde using CAP Anatomic Pathology and Director Assessment checklists.*
  - *Prepared a report on the state of Anatomic Pathology Lab Services in two federal hospitals in the Republic of Cabo Verde.*
  - *Delivered report to Republic of Cabo Verde President and Minister of Health during 2024 CVAMS Conference, Providence, RI*
  - *Setup, validate and deploy digital scanning microscope in HBS to facilitate collaboration with HUAN*
  - *Identify, assess and contract with clinical laboratories in need of CLIA medical directorship for clinical, technical and regulatory support*
  - *Assist in the development of clinical interpretive services in endocrine, reproduction and toxicology*
- 11/21-present      The Viridis Health, LLC  
Co-Founder, Path and Lab Medicine Educator, Health Equity Consultant
- *Provide national and international health education workshops on oncology, digital pathology and informatics, specialty medical testing (endocrine, cardiac, prenatal, gastrointestinal, hepatology, rheumatology, etc), health equity and bias in clinical algorithms.*
- 08/16- 02/25      Director, Clinical Chemistry and Point of Care Testing.  
Lifespan Academic Medical Centers, Providence, RI  
Pathology and Laboratory Medicine Department  
CLIA Director—Bristol Medical Center, Bristol, RI (41D2093720)  
CLIA Director—ACC, East Greenwich, RI (41D2048834)  
CLIA Director—RIH, Waived Multisite POCT (41D2308706)  
Including—Chemistry, Hematology, Toxicology, Coagulation, Provider Performed Microscopy, Urinalysis, POCT, Immunology, Informatics, Send-out Testing
- *Self-Inspected Network Hospital and Offsite Labs under my direction using various CAP Checklists (covering Heme, POCT, Urinalysis, Chemistry, Immunology, All Common, and Director Assessment)*
  - *Self-Inspected Offsite Clinics for compliance with Provider Performed Microscopy Program and CLIA regulations.*
  - *Guided clinicians on send-out vs in-house test selection to improve quality of differential diagnosis, test selection and utilization as stewardship director for send out testing services, thus reducing waste.*
  - *Recommended, instituted, updated and streamlined in-/out-patient medicine, surgery, obstetric and emergency medicine clinical practice*

*guidelines and patient management protocols on the order set committee.*

- *Provide guidance and clinical lab interpretation services to high-risk obstetric, endocrinology, cardiology and oncology services, as well as provider performed microscopy services.*
- *Negotiated consolidated contracts for clinical chemistry and point of care equipment, as well as middleware systems. Subsequently managed and directed the upgrade of chemistry, point of care and middleware systems across the multi-hospital and outpatient clinic health system.*
- *Oversaw the development and validation of several LDTs in the chemistry and clinical mass spectrometry labs.*
- *Taught, managed and evaluated pathology residents, clinical laboratory managers and medical technologists.*

04/13-04/15

Chief, Clinical Chemistry and Toxicology.

VA Puget Sound Healthcare System, Seattle, WA

Pathology and Laboratory Medicine Department

Including—Chemistry, Hematology, Toxicology, Clinical Mass Spectrometry, Coagulation, Urinalysis, POCT, Immunology, Molecular, Informatics, Send-out testing

- *Self-Inspected Seattle, Spokane and Tacoma Clinical laboratories under my direction using various CAP Checklists (covering Heme, POCT, Urinalysis, Chemistry, Immunology, Toxicology, All Common, and Director Assessment)*
- *Oversaw development and validation of LC-MS/MS drugs of abuse testing for veterans.*
- *Provided clinical consultative services for pain medicine management, immunology, special chemistry and acute care chemistry.*
- *Taught, managed and evaluated pathology residents, medical technology students, clinical laboratory managers and medical technologists.*

01/12-04/13

VAQS Fellow, Clinical Pathologist/Lab Medicine Physician

VA San Diego Healthcare System, San Diego, CA

Pathology and Laboratory Medicine Department

Including—Chemistry, Toxicology, Clinical Mass Spectrometry, Microbiology, Hematology, Urinalysis, Immunology, Molecular, Informatics

- *Self-Inspected all VISN 22 Medical Center based Clinical Laboratories using various CAP Checklists (covering Heme, Microbiology POCT, Urinalysis, Chemistry, Immunology, Toxicology, All Common, and Director Assessment)*
- *Evaluated laboratory instruments and document control software applications and assisted in consolidated contract negotiations for VISN 22 network clinical pathology labs.*

- *Provided clinical interpretative services in immunology, chemistry, toxicology and hematology.*

03/11-01/12      VAQS Fellow, Clinical Pathologist/Lab Medicine Physician  
 Pathology and Laboratory Medicine Department  
 White River Junction VA Medical Center, White River Junction, VT  
 Including—Chemistry, Microbiology, Hematology, Hematopathology,  
 Transfusion Medicine, Urinalysis, Immunology, Molecular, Informatics

- *Self-Inspected White River Junction VA Medical Center Clinical Laboratories using various CAP Checklists (covering Heme, Microbiology, Transfusion Medicine, POCT, Urinalysis, Chemistry, Immunology, All Common, and Director Assessment)*
- *Negotiated consolidated contract for all VISN 1 chemistry laboratory equipment.*
- *Provided clinical interpretative services in immunology, chemistry, microbiology, hematopathology, transfusion medicine and hematology.*

HOSPITAL COMMITTEES

2021- present	Laboratory Stewardship Committee, LPG Pathology and Laboratory Medicine, Lifespan Academic Medical Center
2017- present	Sickle Cell Committee, LCI, Lifespan Academic Medical Center
2016- present	Order Set Committee, Lifespan Academic Medical Centers
2016- present	Sepsis Committee, Lifespan Academic Medical Centers
	Pain Management Committee, VA Puget Sound Healthcare System
	Opiate Safety Review Board, VA Puget Sound Healthcare System
	Pathology and Laboratory Medicine Service Utilization Committee VA Puget Sound Healthcare System

UNIVERSITY COMMITTEES/GROUPS

2020-present	Program in Liberal Medical Education, Selection Committee. The Warren Alpert Medical School, Brown University
2019-present	Mentoring and Educating Diverse Students and Trainees to Excel as Physicians (MEDSTEP) and Brother to Brother, The Warren Alpert Medical School of Brown University

Department of Laboratory Medicine Grand Rounds Committee  
The University of Washington School of Medicine

PROFESSIONAL SOCIETY COMMITTEES

- 2024- present      Encoding Equity Alliance, Research Task Force  
                         Council of Medical Specialty Societies (CMSS)/ Doris Duke Foundation
- 2023- present      College of American Pathologists  
                         Clinical Chemistry Scientific Committee Member
- 2022- present      Institute for Healing and Justice in Medicine  
                         PFT/eGFR Working Group Leader
- 2022- present      Rhode Island Society of Pathologists  
                         Secretary/Treasurer    (2022-2023)  
                         President                    (2023-2024)  
                         Past President            (2024-2025)
- 2021- present      NYC DOHMH Coalition to End Racism in Clinical Algorithms (CERCA)  
                         PFT/VBAC/eGFR working group member
- 2018-2021          Clinical Chemistry Education Committee  
                         Case Reports Module Author  
                         American Society for Clinical Pathology
- 2018-2021          Clinical Pathology Improvement Program  
                         Continuing Education Module Author  
                         College of American Pathologists

MEMBERSHIP IN SOCIETIES

- 2010-present      American Society for Clinical Pathology (04191823)
- 2013-present      Association for Diagnostics and Laboratory Medicine (202548)
- 2018-present      American Society for Mass Spectrometry
- 2020-present      Institute for Healing and Justice in Medicine
- 2020-present      Student National Medical Association, Faculty Advisor
- 2021-present      Rhode Island Society of Pathologists (Secretary-Treasurer, President)

2021-present	NYC DOHMH Coalition to End Racism in Clinical Algorithms (CERCA)
2022-present	College of American Pathologists
2023-present	Cabo Verdean American Medical Society Academy for Healthcare Improvement

ORIGINAL PUBLICATIONS IN PEER-REVIEWED JOURNALS

1. Fiske HW, Monteiro JFG, Hilliard RW, **Grisson RD** et al. Cost Analysis Review of a Patient Navigator Fecal Immunochemical Testing on Colorectal Cancer Screening in an Underserved Population. Discover Health Systems. Status: Accepted for publication. May 2024
2. Braun L, **Grisson R**. Race, Lung Function, and the Historical Context of Prediction Equations. JAMA Network Open. 2023 Jun 1;6(6):e2316128. doi: 10.1001/jamanetworkopen.2023.16128.
3. Omer MS, Latif S, **Grisson R**. Iatrogenic Hypermagnesemia in a Patient With Preeclampsia Caused by Misinterpretation of the Magnesium Reporting Unit Following Magnesium Sulfate Administration. Cureus. 2022 Dec 12;14(12):e32446.
4. Paiva KJ, **Grisson RD**, Chan PA, Huard RC, Caliendo AM, Lonks JR, King E, Tang EW, Pytel-Parenteau DL, Nam GH, Yakirevich E, Lu S. Validation and performance comparison of three SARS-CoV-2 antibody assays. J Med Virol. 2021 Feb93(2):916-923. PMID:32710669
5. Shirts BH, Jackson BR, Baird GS, Baron JM, Clements B, **Grisson R**, Hauser RG, Taylor JR, Terrazas E, Brimhall B. Clinical laboratory analytics: Challenges and promise for an emerging discipline. J Pathol Inform. 2015 Feb 24;6:9. doi: 10.4103/2153-3539.151919. eCollection 2015. PMID: 25774320
6. Lee-Lewandrowski E, Januzzi JL Jr, **Grisson R**, Mohammed AA, Lewandrowski G, Lewandrowski K. Evaluation of first-draw whole blood, point-of-care cardiac markers in the context of the universal definition of myocardial infarction: a comparison of a multimarker panel to troponin alone and to testing in the central laboratory. Arch Pathol Lab Med. 2011 Apr;135(4):459-63. doi: 10.1043/2010-0112-OA.1. PMID: 21466362.
7. **Grisson R**, Kim JY, Brodsky V, Kamis IK, Singh B, Belkziz SM, Batra S, Myers HJ, Demyanov A, Dighe AS. A novel class of laboratory middleware. Promoting information flow and improving computerized provider order entry. Am J Clin Pathol. 2010 Jun;133(6):860-9. doi: 10.1309/AJCPVT30YEMRKRY. PMID: 20472843.

8. Lee-Lewandrowski E, Nichols J, Van Cott E, **Grisson R**, Louissaint A, Benzer T, Lewandrowski K. Implementation of a rapid whole blood D-dimer test in the emergency department of an urban academic medical center: impact on ED length of stay and ancillary test utilization. *Am J Clin Pathol*. 2009 Sep;132(3):326-31. doi: 10.1309/AJCP6US3ILGEAREE. PMID: 19687307.
9. Siddappa NB, Song R, Kramer VG, Chenine AL, Velu V, Ong H, Rasmussen RA, **Grisson RD**, Wood C, Zhang H, Kankasa C, Amara RR, Else JG, Novembre FJ, Montefiori DC, Ruprecht RM. Neutralization-sensitive R5-tropic simian-human immunodeficiency virus SHIV-2873Nip, which carries env isolated from an infant with a recent HIV clade C infection. *J Virol*. 2009 Feb;83(3):1422-32. doi: 10.1128/JVI.02066-08. Epub 2008 Nov 19. Erratum in: *J Virol*. 2009 Aug;83(16):8297. PMID: 19019970.
10. Song RJ, Chenine AL, Rasmussen RA, Ruprecht CR, Mirshahidi S, **Grisson RD**, Xu W, Whitney JB, Goins LM, Ong H, Li PL, Shai-Kobiler E, Wang T, McCann CM, Zhang H, Wood C, Kankasa C, Secor WE, McClure HM, Strobert E, Else JG, Ruprecht RM. Molecularly cloned SHIV-1157ipd3N4: a highly replication-competent, mucosally transmissible R5 simian-human immunodeficiency virus encoding HIV clade C Env. *J Virol*. 2006 Sep;80(17):8729-38. PMID: 16912320.
11. Ujjainwalla F, Warner D, Snedden C, **Grisson RD**, Walsh TF, Wyvratt MJ, Kalyani RN, Macneil T, Tang R, Weinberg DH, Van der Ploeg L, Goulet MT. Design and syntheses of melanocortin subtype-4 receptor agonists. Part 2: discovery of the dihydropyridazinone motif. *Bioorg Med Chem Lett*. 2005 Sep 15;15(18):4023-8. PMID: 16005624.
12. **Grisson RD**, Chenine AL, Yeh LY, He J, Wood C, Bhat GJ, Xu W, Kankasa C, Ruprecht RM. Infectious molecular clone of a recently transmitted pediatric human immunodeficiency virus clade C isolate from Africa: evidence of intraclade recombination. *J Virol*. 2004 Dec;78(24):14066-9. PMID: 15564517.

#### OTHER PEER-REVIEWED PUBLICATIONS, BOOKS AND TEACHING MODULES

1. Desai, D and **Grisson, RD**. College of American Pathologists, Clinical Pathology Improvement Program. CPIP-J Case 10: Immunology: Evaluation of Cushing Syndrome; October 2020
2. **Grisson, RD**. American Society for Clinical Pathology. 2019 Clinical Chemistry Education Module, Case Reports: Adrenal Hypertension
3. Desai, D and **Grisson, RD**. College of American Pathologists, Clinical Pathology Improvement Program: A Practical Case-Based Guide for the Interpretation of Protein Electrophoresis Studies; December 2018.
4. **Grisson, RD**. Infectious Molecular Clones Encoding the HIV Clade C Envelope and Neutralizing Polyclonal Antibodies. Boston, MA: Harvard University; 2007



5. **Grisson, RD** and Song JW, Eds. Deja Reviews: Histology and Medical Cell Biology. New York, NY: McGraw-Hill; Oct 1, 2006. (review book).

#### ACCEPTED ABSTRACTS AND POSTER PRESENTATIONS

1. Gibson GN, Mansour A, Dimbo E, Taman M, Kaczynski M, Eteshola E, Garcia D, Grisson R. Understanding the Needs and Challenges of Black Male Medical Students through the Brother to Brother Model. Regional Medical Education Conference (RMEC) Annual Meeting. Poster presentation. Boston, MA. October 5, 2024.
2. Nsubayi CK, Munshi S, Teshome A, Taman M, Dimbo E, Wachana A, Grisson R. Impact of Photo Submission Requirements on Underrepresented Minority (URiM) Student Acceptance Rates at U.S. MD Schools. Regional Medical Education Conference (RMEC) Annual Meeting. Poster presentation. Boston, MA. October 5, 2024.
3. Vieira K, Munshi S, Taman M, Mansour A, Dimbo E, Kaczynski M, Wynter T, Grisson R. Improving Accessibility of Patient Education in Cabo Verde using Large Language Model Translation and Simplification. Regional Medical Education Conference (RMEC) Annual Meeting. Poster presentation. Boston, MA. October 5, 2024.
4. Mansour A, Dimbo E, Taman M, Kaczynski M, Eteshola E, Garcia D, Grisson R. Challenges and Opportunities for Black Students in Medical School. Cabo Verdean American Medical Society (CVAMS) Annual Meeting. Abstract and Oral presentation. Providence, RI. September 27, 2024.
5. Mansour A, Dimbo E, Taman M, Kaczynski M, Eteshola E, Garcia D, Grisson R. Navigating Medical Education: Insights from Black Male Perspectives. NYC Antiracism in Medical Education Symposium. Abstract and Poster Presentation. New York, NY. June 7, 2024.
6. Umegboh G, Aspary K, Grisson R. An Integrated EMR-Based Approach to Diagnosis of Familial Hypercholesterolemia. NYC Antiracism in Medical Education Symposium. Abstract and Poster Presentation. New York, NY. June 23, 2023
7. Banjo T, Edziah AA, Patel K, Grisson R. A systematic review of implementing the race-free equations for estimating glomerular filtration rate. NYC Antiracism in Medical Education Symposium. Abstract and Poster Presentation. New York, NY. June 23, 2023
8. Scetta S, Grisson R. Review and Clinical Validation of the Insignificance of Race in Prenatal Biochemical Screening for Fetal Anomalies. NYC Antiracism in Medical Education Symposium. Abstract and Poster Presentation. New York, NY. June 23, 2023

#### INVITED PRESENTATIONS

1. Grisson, RD. “*Construction of an infectious Molecular Clone of a Pediatric HIV-1 Clade C Isolate*” San Diego, CA: Temple University-NIH Minority Trainee Research Forum, 2002.
2. Grisson, RD. “*Construction of a Simian-Human Immunodeficiency Virus from an HIV Clade C Strain Isolated from a Rapid Progressor*” Charlottesville, VA: National Medical Fellowships-Bristol Myers Squibb Academic Medicine Research Forum, 2005.
3. *Clot Waveform Analyses: Are they useful for patient management at MGH?* Clinical Pathology Rounds, Massachusetts General Hospital, Boston, MA, 2007.
4. *Insights into Disease Pathogenesis: Human Genetic Determinants of HIV Progression and Viral Set Point*, Molecular Pathology Grand Rounds, Massachusetts General Hospital, Boston, MA, 2008.
9. *Insights into the Pathogenesis of PTLD*, Molecular Pathology Grand Rounds, Massachusetts General Hospital, Boston, MA, 2009.
10. *Fox P3 and Immune Tolerance in Renal Transplantation*, Molecular Pathology Grand Rounds, Massachusetts General Hospital, Boston, MA, 2009.
11. *DAT Negative Autoimmune Hemolytic Anemia: Fact or Fiction*, Massachusetts AABB, Bedford, MA, 2009.
12. Ayad ME, **Grisson RD**, Hoehn C, and Morgan LM. “*Microarray Testing in Autism: A Cost Benefit Analysis of Using New Testing Methodologies vs the Status Quo*”, The Dartmouth Institute for Health Policy and Clinical Practice, Research Poster Presentation, Hanover, NH, 2010.
13. Fox EJ, Granstein JH, **Grisson RD**, Semilla AP, Tian TY. “*To Breathe or Not to Breathe: Clinical Effectiveness of Compression-only vs Traditional CPR After Pre-hospital Cardiac Arrest*”, TDI Research Poster Presentation, Hanover, NH, 2010.
14. *Creating a Balanced Set of Measures*, VA Quality Scholars Summer Institute, Cleveland, Ohio, 2011.
15. *Laboratory Technology Evaluation: Is there a Role for Indirect Comparison?* CAP 2012, San Diego, CA, 2012.
16. *Austerity in Lab Medicine? A Role for Econometric Analysis*. University of Colorado Hospital, Aurora, CO, 2012.
17. *Robust Data Analysis in VA Laboratory Quality Management*. University of Washington, Seattle, WA, 2012.

18. *From the Bench to the Boardroom: A Role for Econometric Analysis in Laboratory Medicine*, Lab Medicine Grand Rounds, University of Washington, Seattle WA, 2014.
19. *CAP Promising Pathways Initiative and the Medical Technologist*, American Society for Clinical Laboratory Science-WA Spring Seminar, Spokane, WA, 2014.
20. *Clinical Laboratory Analytics: Current Practices and Future Directions.*, American College of Laboratory Physicians and Scientists (ACLPS), Panel presenter and discussant, San Francisco, CA, 2014.
21. *Urine Drugs of Abuse Testing at VA Puget Sound Healthcare System*, Mt. Vernon Community Based Outpatient Clinic, Primary Care Rounds, Mt. Vernon, WA, 2014.
22. *ACP Washington Scientific Scholarship Day: Differentiating Quality Improvement from Research*, Seattle, WA, 2015.
23. *Laboratory Economics: It's Time has Finally Arrived.* Lab Medicine Grand Rounds, University of Alabama, Birmingham, AL, 2015.
24. *American Society for Clinical Laboratory Science-WA Fall Symposium: Clinical Laboratory Driven Healthcare Quality and Value Delivery*, Lynnwood, WA, 2015
25. *Economic Evaluations in Lab Medicine.* Department of Pathology and Laboratory Medicine. Cedars Sinai Medical Center, Los Angeles, CA, 2015.
26. *Back to the Basics: Economic Evaluations in Laboratory Medicine.* Department of Laboratory Medicine and Pathology. Mayo Clinic. Rochester, MN, 2015.
27. *Economic and Econometric Tools for Quality Improvement in Laboratory Medicine*, University of South California Medical Center, Los Angeles, CA, 2016.
28. *Diagnostic Errors Due to Immunologic Interferences.* Continuing Education Lecture Series, RIH School of Medical Technology, Lifespan Academic Medical Center, Providence, RI, 2017.
29. *Diagnostic Errors in Medicine Due to Assay Interferences in Clinical Chemistry.* American Society for Clinical Laboratory Science 69<sup>th</sup> Annual Convention, Providence, RI, 2017.
30. *Introduction to ISTAT QC, Design and QA in Point of Care*, Certification training in service lecture for LifePact EMTs, Providence, RI, March, 2018.
31. *Time to ACT—Activated Clotting Time Clinical Implementation and Data Review*, Interventional Cardiology Rounds, Providence, RI, April, 2018.

32. Pharmacists Guide to Urine Drug Screening, Lifespan Pharmacy In-Service Lecture, Providence, RI, March, 2019.
33. Practical Guide to Urine Drug Screening in Primary Care, Lifespan Physician Group Metacom In-Service Lecture, Warren, RI, March, 2019.
34. Endocrine Assays: review of methods and limitations. Lifespan Endocrine Service Grand Rounds Lecture, Providence, RI, January 15, 2020.
35. Removing Race from eGFR, Institute for Healing and Justice in Medicine, Web Conference, Berkeley, CA. August 18, 2020
36. NKF/ASN Task Force on Reassessing the Inclusion of Race in Diagnosing Kidney Disease. Web Forum Testimony, National Kidney Foundation-American Society of Nephrology, New York, NY. January 15, 2021
37. Black Men in White Coats Panelist, The Warren Alpert Medical School, Providence, RI. October 27, 2021
38. Racial Corrections in Clinical Algorithms. Association of Public Health Laboratories Webinar. Silver Spring, MD. April 21, 2023
39. Review of Clinical Validation of the Role of Race in Prenatal Screening for Fetal Anomalies. 3rd International Conference on Gynecology & Obstetrics. Rome, Italy November 15-17, 2023
40. Algorithm Based Tests: A Tool for Screening and Diagnostics in Cabo Verde. Digital Pathology Seminar, Praia, Cabo Verde. April 14-27, 2024.
41. From Crisis to Crisis: Unmasking RI's Heavy Metal Poisonings Alongside the Pandemic. Medical Grand Rounds, Roger Williams Medical Center, Providence, RI. May 23, 2024
42. Towards the Improvement of Pathology and Laboratory Services in the Republic of Cabo Verde. 2024 CVAMS Annual Conference. Providence, RI. September 29, 2024

#### THESIS PRESENTATION AND DEFENSE

1. Infectious Molecular Clones Encoding the HIV Clade C Envelope and Neutralizing Polyclonal Antibodies. Harvard Medical School, Boston, MA, 2007.

#### GRANTS AND RESEARCH

1. 2001-2007  
Role: Student Research Assistant

Minority Supplement Grant to PO1 AI048240 (NIH/NIAID)

Ruth Ruprecht, MD, PhD (PI)

Projects: Construction and characterization of an infectious primary pediatric HIV1 – Clade C molecular clone; Construction and characterization of a hybrid virus, SHIV2783i; Generation of broadly reactive neutralization monoclonal antibodies to HIV

2. 2007-2010

Role: Co-Investigator

Anand Dighe, MD, PhD (PI), Kent B Lewandrowski, MD (PI)

Projects: Cost-benefit driven validation of D-Dimer Assay generating \$25,000 net benefit; Evaluation of laboratory middleware to support computerized provider order entry; Transaction log analysis and clinical data mining; Evaluation of cardiac marker POCT platform; Investigations in Cost Effective Laboratory Medicine

3. 2018-2022

Role: Principal Investigator

IRB#: 1329823/ CMTT 023518; \$30,000 award to lab

Title: Modern Fertility - Hormonal Concordance Testing: Venipuncture and DBS

4. 2016-present

Role: Principal Investigator

IRB# 1008272/CMTT 005717

Title: Computational Pathology and Quality Improvement in Clinical Pathology

5. 2018-present

Role: Laboratory Collaborator \$40,000 Subcontract to lab

PI: Harlan Rich, MD and Carrie Bridges Feliz, MPH

Project: Blue Cross Blue Shield Colorectal Cancer Screening by FIT with Patient Navigation, Demonstration Project.

SERVICE TO THE UNIVERSITY:

2020-Present: Brown University, Program in Liberal Medical Education (PLME) Advisory Selection Board

UNIVERSITY MENTORING

Brown University

2018- Undergraduate Students: 2

2019- Medical Students, Residents and Fellows: 12

2020- Medical Students, Residents and Fellows: 16

2021- Medical Students, Residents and Fellows: 15

2022- Medical Students, Residents and Fellows: 14

2023- Medical Students, Residents and Fellows: 18

2024- Medical Students, Residents and Fellows: 10

### UNIVERSITY TEACHING ROLES

1. Laboratory Management and Quality Improvement (2 lectures), UW Lab Medicine, MLS Program, Seattle, WA, 2014.
2. High Value Laboratory Medicine—A focus on QI, UW Laboratory Medicine Residency Program, Seattle, WA, 2014.
3. Lab Medicine 428 Course: Hormonal Regulation of Energy and Metabolism (3 lectures), UW Lab Medicine, MLS Program, Seattle, WA, 2014.
4. Lab Medicine 418: Topics in Clinical Chemistry (7 lectures), UW Lab Medicine, MLS Program, Seattle, WA, 2015.
5. Lab Medicine 428 Course: Clinical Biochemistry (5 lectures), UW Lab Medicine, MLS Program, Seattle, WA, 2015.
6. Lab Medicine 418: Topics in Clinical Chemistry (7 lectures), UW Lab Medicine, MLS Program, Seattle, WA, 2016.
7. Monday Conference Series: Clinical Chemistry and Informatics (12 lectures per year), Lifespan Academic Medical Center, Pathology and Lab Medicine Residency Program, Providence, RI, 2017- present.
8. Clinical Biochemistry Rotation: Didactics for each resident (3-5 lectures per week), Lifespan Academic Medical Center, Pathology and Lab Medicine Residency Program, Providence, RI, 2016-present.
9. Brown University, BIOLOGY, 1950, SA7 12004 Dir Research/Independent Study: Student/Mentee: Akpiroro Oshobe, Fall Term, 2018.
10. Brown University, Independent Study (IS-7100): Student: Cooper Jameson Schwartz.10/26/20- 11/20/20
11. Brown University, Independent Study (BIOL 1950/1960): Student: Olivia Cartano 03/01/2023 - present

### HOSPITAL TEACHING ROLES

1. *D-dimer Validation: An exercise in Statistics and Significance*, Clinical Pathology Rounds, Massachusetts General Hospital, Boston, MA, 2008.
2. *From the MGH Coffers: PML and JC Virus*, Clinical Pathology Rounds, Massachusetts General Hospital, Boston, MA, 2008.

3. *Nothing to Cough At: The Re-emergence of B. pertussis*, Educational Conference for MGH Clinical Microbiology Technologists, Massachusetts General Hospital, Boston, MA, 2008.
4. *Just a Stone's Throw Away from Help: Microbiology of Corynebacterium Urealyticum*, Educational Conference for MGH Clinical Microbiology Technologists, Massachusetts General Hospital, Boston, MA, 2008.
5. *Make the choice today! Eliminate "sunny side up" and "over easy" from your vocabulary*, Educational Conference for MGH Clinical Microbiology Technologists, Massachusetts General Hospital, Boston, MA, 2008.
6. *Cyclic Neutropenia*, Clinical Pathology Rounds, Massachusetts General Hospital, Boston, MA, 2009.
7. *Cytogenetics of Refractory Anemia with Ringed Sideroblasts*, Cytogenetics Rounds, Massachusetts General Hospital, Boston, MA, 2009.
8. *Cytogenetics of Chronic Lymphocytic Leukemia*, Cytogenetics Rounds, Massachusetts General Hospital, Boston, MA, 2009.
9. *Uses of 1, 25 Vitamin D*, Educational Conference for MGH Core Lab Technologists, Massachusetts General Hospital, Boston, MA, 2009.
10. Differentiating QI from Research, VA Puget Sound Healthcare System, VA National Teleconference in Primary Care Service, Seattle WA 2014.
11. Interferences and Immunoassay Interpretations in Endocrinology, VA Puget Sound Healthcare System, Adult Endocrine Service, Seattle WA 2015-2016 (6 lectures).
12. RIH School of Medical Technology: Clinical Chemistry and Quality, Lifespan Academic Medical Center, Pathology and Lab Medicine Dept., Providence, RI, 2017- 2020 (2-6 lectures per year)