

CURRICULUM VITAE

Date of Revision: February 10, 2021

Name: Sheldon Campbell, M.D., Ph.D.

Title: Professor, Department of Laboratory Medicine, Clinician-Educator Track,
Co-terminus with the VA

School: Yale University School of Medicine

Education:

B.A. Rice University (Biology), Houston, TX 06/1980
Ph.D. Baylor College of Medicine (Cell Biology), Houston, TX 06/1987
M.D. Baylor College of Medicine 06/1988

Career/Academic Appointments:

04/88-06/88 Research Associate, Department of Biochemistry, Baylor College of Medicine
07/88-06/91 Resident, Department of Laboratory Medicine, Yale-New Haven Hospital, New Haven CT
07/91-06/92 Research fellow, Department of Laboratory Medicine and MacArthur Center for Molecular Parasitology, Yale University School of Medicine, New Haven, CT
07/92-07/07 Assistant Professor, Department of Laboratory Medicine, Yale University School of Medicine
07/07-10/17 Associate Professor, Department of Laboratory Medicine, Yale University School of Medicine
10/17-present Professor, Department of Laboratory Medicine, Yale University School of Medicine

Administrative Positions:

07/92-07/07 Assistant Director, Clinical Microbiology Laboratory, Yale-New Haven Hospital
07/07-present Associate Director, Clinical Microbiology Laboratory, Yale-New Haven Hospital
07/92-present Associate Chief of Pathology and Laboratory Medicine for Laboratory Medicine, VA Connecticut Healthcare System, West Haven
07/92-present Medical Director, Clinical Chemistry; Microbiology; Mycobacterial Reference Laboratory; Point-of-Care Testing, VA Connecticut Healthcare System, West Haven.
10/08-08/11 Director, Virology Reference Lab, VA Connecticut
08/11-date Associate Director, Virology Reference Lab, VA Connecticut
06-20-date Director of Medical Studies, Department of Laboratory Medicine
01-21-date Medical Director, Point of Care Testing, Yale-New Haven Health, YSC.

Board Certification:

06/1992 American Board of Pathology, certified in Clinical Pathology
09/1995 American Board of Pathology, certified in Medical Microbiology

Professional Honors & Recognition

International/National/Regional

2015 Outstanding Speaker Award, American Association for Clinical Chemistry
2013-14 Councilor, American Society for Microbiology, Division C (Clinical Microbiology)
2012-13 Chair, American Society for Microbiology, Division C (Clinical Microbiology)
2011-12 Chair-elect, American Society for Microbiology, Division C (Clinical Microbiology)
2014 Outstanding Speaker Award, American Association for Clinical Chemistry.
2012 Outstanding Speaker Award, American Association for Clinical Chemistry.
2009 Outstanding Speaker Award, American Association for Clinical Chemistry.
2004 VA Public Health Strategic Health Care Group Special Contribution Award. Received for providing guidance to the VA Office of Public Health on the role of rapid HIV testing and other strategies for increasing access to HIV testing in VA health care
1980 Phi Beta Kappa, Rice University

University

2014 Nominee for School of Medicine: ‘Inspiring Yale’, Symposium 2015 (One-day event designed to showcase thought-leaders from the 13 Yale graduate and professional schools, sponsored by the Graduate & Professional Student Senate (GPSS) to foster interdisciplinary career exploration.)
2003 Charles W. Bohmfalk Teaching Prize in the Basic Sciences, Yale School of Medicine; nominated 2007, 2009, 2017, 2018, 2020. Nominations were not tracked 2010-16.

Grant/Clinical Trials History:

Current Grants: none

Current Clinical Trials: none

Past Grants

Agency: Pfizer Pharmaceuticals, Inc

Title: "Acyclic Polyols as Diagnostic Markers for Invasive Fungal Infections"

Role: Co-investigator; Brian Wong M.D., PI. I was responsible for developing the d-arabinitol assay that was the central element of this project.

Percent effort: 5%

Project period: 12/01/2011 – 5/31/2013

Agency: National Kidney Foundation

Title: "Antimicrobial Susceptibility of *E. coli* following Cranberry Consumption. "

P.I.: Co-PIs: Kalpana Gupta, Department of Internal Medicine, Section of Infectious Diseases, Yale School of Medicine, and Amy Howell, Marucci Center for Blueberry Cranberry Research, Rutgers University. My role was to advise on methods for antimicrobial susceptibility testing.

Percent effort: 5%

Project period: 07/01/2006 – 06/30/2008

Agency: NIH/NIDA

I.D.# PA-93-44

Title: "Studies of TB Among Drug Injectors in Connecticut"

P.I.: Gerald Friedland, M.D. My role was in tracking *M. tuberculosis* isolates.

Percent effort: 5%

Project period: 07/01/1994-06/30/1997

Agency: American Heart Association

I.D.# Postdoctoral Fellowship

Title: "Gene regulation during stage transformation in *Trypanosoma cruzi* and *Leishmania pifanoi*."

P.I.: Petrie Rainey, M.D., Ph.D.

Percent effort: 100%

Project period: 07/01/1990 – 06/30/1992

Agency: NIH

I.D.# Pre-doctoral Fellowship

Title: Medical Scientist Training Program

P.I.: Jeffrey Rosen, Ph.D.

Percent effort: 100%

Project period: 07/01/1980 – 06/30/1988

Invited Speaking Engagements, Presentations, Symposia & Workshops Not Affiliated With Yale:

International/National

- 2020 Decontamination in the Clinical Laboratory. Part of symposium on Biosafety, American Association of Clinical Chemistry Annual Meeting, online.
- 2020 Decontamination in the Clinical Laboratory: A Unique Environment, 16th CDC International Symposium on Biosafety, Atlanta, GA.
- 2019 Ethics in Laboratory Medicine and Emerging Pathogens, American Association of Clinical Chemistry Annual Meeting, Anaheim, CA.
- 2019 Microbiology Sing-Along, Microbe 2019 (American Society for Microbiology Annual Meeting), San Francisco, CA. One live-stream session from the exhibit hall.
- 2018 Microbiology Sing-Along, Microbe 2018 (American Society for Microbiology Annual Meeting), Atlanta, GA. One live-stream session from the exhibit hall.
- 2017 Microbiology Sing-Along, Microbe 2017 (American Society for Microbiology Annual Meeting), New Orleans, LA. Track Hub session, 30 minute demonstration of songs for teaching medical microbiology, also two live-stream sessions from the exhibit hall.
- 2016 Microbiology Sing-Along, Microbe 2016 (American Society for Microbiology Annual Meeting), Boston, MA. Track Hub session, 30 minute demonstration of songs for teaching medical microbiology.
- 2016 Association of Public Health Laboratories, Northeast Regional Biosafety and Biosecurity Workshop. Ethical Issues in Dealing with Biosafety and Emerging Pathogens.
- 2015 VA SCAN ECHO Primary Care Telehealth Series. Testing for Drugs of Abuse: Simple Answers, Complex Questions. Parts 1 and 2.
- 2015 Rutgers University Department of Microbiology Weekly Research Conference, New Brunswick, NJ. 'Sex, Stories, and Songs: Teaching Microbiology with Clarity and Passion'.
- 2015 Centers for Disease Control and Prevention / Clinical Laboratories Advisory Committee, Atlanta, GA. "Emerging Infections: the Plain Ol' Clinical Laboratory Perspective".
http://ftp.cdc.gov/pub/CLIAC_meeting_presentations/pdf/Addenda/cliac0415/10_Campbell_EmergingInfections_CLIAC.pdf
- 2015 AACC On-line Point of Care Certification Program 'Improving Clinical Outcomes Through Point of Care Testing.'
- 2014 American Society for Microbiology Annual Meeting, May 19, 2014. Public Engagement Event. Led tour and interpreted vendor area and had free-form discussions with interested members of the public during the Annual Meeting; organized via the Museum of Science, Boston, and ASM.
- 2014 American Society for Microbiology Annual Meeting, Boston, MA. "Stories, Sex, and Songs: Putting the Passion in the Medical Lecture." Convener for session: 'Educating the Consumer in Clinical Microbiology'
- 2014 American Association for Clinical Chemistry. Developing a Plan for Specimen Management and Testing of Patients with Emerging Viruses; webinar.
- 2013 First Coast Infectious Disease / Clinical Microbiology Symposium, Jacksonville FL. "Screening for MRSA: Evidence, Experience, Confusion, and Certainty."
- 2013 American Society for Microbiology Annual Meeting, San Francisco, CA. "Point of Care Testing for Infectious Diseases: Where We Are in 2013."
- 2013 25th Annual Congress of the Arab Division of the International Academy of Pathology and 5th International Conference of the Jordanian Society of Pathology, Amman, Jordan. "The Medical Lecture as Performance;" "Point of Care Testing in Microbiology"; "HIV Diagnosis, the New Technologies".

- 2013 ‘The Singing Microbiologist’. ASM Microbe World Episode 81 2013:
<http://www.microbeworld.org/podcasts/microbeworld-video/archives/1586-mwv-episode-81-sheldon-campbell-the-singing-microbiologist>
- 2012 American Association of Clinical Chemistry Annual Meeting, Los Angeles, CA, “Quality Practices in Noninstrumented Point of Care Testing”.
- 2011 VA Pathology Enforcement Conference, Portland, OR. “The Future of Molecular Microbiology.”
- 2011 APHL/CLSI Teleconference: POCT08-A: A Point of Care Resource for Nonlaboratory Specialists, Program #588-604-11
- 2011 American Society for Microbiology Annual Meeting, New Orleans, LA. “More Outrageous and Contagious Case Presentations: “The Cat or the Goat?”.
- 2010 American Society for Microbiology Annual Meeting, San Diego, CA. “More Outrageous and Contagious Case Presentations: When the Weak Seek Comfort in Numbers”.
- 2010 American Association of Clinical Chemistry Annual Meeting, Anaheim, CA. Short Course, “Hot Topics in Point of Care Testing: The Future of POC Diagnosis of Infection: Sometimes Molecular, Sometimes Not.”
- 2009 American Society for Microbiology Annual Meeting, Philadelphia, PA. “Sunrise Symposium: Hot Topics in Point of Care Microbiology”.
- 2008 Clinical Laboratory Standards Institute 2008 Leadership Conference, Baltimore, MD. “Establish Quality Practices in Non-Instrumented Near-Patient Testing”, co-led with Jim Nichols, Ph.D.
- 2008 American Association of Clinical Chemistry Annual Meeting, Washington, DC. Interactive Workshop, “Hot Topics in Point of Care Testing: Clinical, and Technologic Updates in POC Infectious Disease Testing”
- 2008 American Association for Clinical Chemistry International Symposium: Refining Point-of-Care-Testing Strategies, Barcelona, Spain; “Point of Care Testing for HIV: Issues and Opportunities.”
- 2007 American Association of Clinical Chemistry Annual Meeting, San Diego, CA. Interactive Workshop, “Hot Topics in Point of Care Testing: Regulatory, Clinical, and Technologic Updates in POC Microbiology Testing”
- 2006 College of American Pathologists Annual Meeting San Diego, CA. “Hot Topics in Clinical Pathology -- Emerging Analytes in Microbiology”
- 2006 American Association of Clinical Chemistry Annual Meeting, Chicago, IL. Interactive Workshop, “Point of Care Testing : Infectious Diseases.” Microbiology at the Point of Care – Good Things in Small Packages?”
- 2006 American Association for Clinical Chemistry International Symposium: Refining Point-of-Care-Testing Strategies, Quebec, Canada. “Microbiology at the Bedside.”
- 2005 College of American Pathologists Annual Meeting, Chicago, IL. “Emerging Analytes in Microbiology”
- 2005 American Society for Microbiology Annual Meeting, Atlanta, GA. “HIV Testing at the Point of Care.
- 2005 American Association of Clinical Chemistry Annual Meeting, Orlando, FL. “Point of Care Testing: Infectious Diseases.”
- 2004 College of American Pathologists Annual Meeting, Phoenix, AZ. “Point of Care Testing in Microbiology” and “Emerging Analytes in Microbiology”
- 1999 American Society for Microbiology, Chicago, IL, “Teaching Microbiology by Example: Using Case Studies in Microbiology Teaching.” Convener.

Regional/Local:

- 2014 American Society for Microbiology, NYC Branch. ‘What to do About Flu in 2014’.
- 2014 Connecticut Department of Public Health Laboratory Emergency Preparedness: A Conference for Laboratory Professionals, Rocky Hill, CT. “MALDI-TOF: Everything You Wanted to Know about MALDI-TOF for Microbes But Were Afraid to Ask;” (with Wilson Vientos).
- 2013 VA VISN 1 Pathology & Laboratory Medicine Education Series, Webinar “Drug of Abuse Testing: Simple Answers, Complex Questions”
- 2013 Northeast Laboratory Conference, Portland, ME. “What’s New in Flu; Influenza Testing for the 2013-14 Flu Season’.
- 2013 Trimark Publications, Boston, MA. “Quality Systems for Non-Instrumented POCT.
- 2013 VA VISN 1 P&LMS Education Series, Webinar. “Diagnosis of Mycobacterial Disease in 2013”
- 2010 Northeast Association for Clinical Microbiology and Infectious Disease, Nashua, NH, “Laboratory Diagnosis of Tick-borne Diseases” and “Case Presentation: When the Weak Seek Safety in Numbers.”
- 2010 Central New England ASCLS, Providence RI; “Introduction to Diagnostic Virology.’
- 2009 Infection Control Liason Conference, Connecticut Valley Hospital, Middletown, CT; “Things That Crawl Out in the Night – And Day!”
- 2009 Contemporary Clinical and Regulatory Issues in Point of Care Testing, Joint Conference of North Carolina, Southeast, and Texas sections of the AACC, New Orleans, LA; “Rapid HIV Testing”.
- 2008 North Carolina Point of Care Network Spring Meeting, Charlotte, NC. “Rapid HIV Testing at the Point of Care.”
- 2007 Trimark Publications Point of Care Testing: Innovation on the Move, From Nanotechnology to Personalized Medicine, Boston, MA. “Training the Next Generation of Physicians in POCT – Medical Students and Pathology Residents.”
- 2006-2016 Osler Pathology Review Course (usually 1x/y): Chicago, Tampa, Philadelphia. Up to 9 lectures in microbiology: Bacteriology 1&2, Antibiotic Susceptibility Testing, Mycology 1&2, Mycobacteriology, Virology, Parasitology 1&2.
- 2006 Northeast Region Conference and Exhibition, AACC / CLMA / CLAS. Portland, ME. “Rapid and Home-Based HIV Testing”
- 2005 Northeast Society for Epidemiology Annual Meeting, Chatham, MA. “Rapid HIV Tests – Both Edges are Sharp!”
- 2004 Connecticut Pain Society Annual Meeting. “Urine Testing for Drugs of Abuse; Simple Answers, Complex Questions”
- 2003 Region I ASCLS Annual Meeting, Cromwell, CT “Unusual Parasitic Infections”
- 2003 American Society for Microbiology, 38th Annual Region I Meeting; “Tick-borne diseases of New England”
- 2003 Togus, Maine VA Medical Center: Urine Testing for Drugs of Abuse.
- 2002 Lawrence and Memorial Hospital: Mycobacterial Disease – Using the Lab.
- 2002 Hospital of St. Raphael: Weird Worms: Unusual Helminth Cases
- 2002 How Cells Work. Ridge Hill Elementary School, Hamden, CT
- 2001 Microbes. Ridge Hill Elementary School, Hamden, CT
- 2001 Rocky Hill State Veteran’s Home & Hospital: Hepatitis C (CPC) 3/01
- 2000 Region I ASCLS Annual Meeting, Cromwell, CT “What Is That Thing -- Unusual Parasitic Infections”
- 2000 18th Annual Northeast Regional Joint Fall Conference, Portland, ME. "Agents of Bioterrorism"

- 1999 Region I ASCLS Annual Meeting, Cromwell, CT “The Laboratory Placebo – a Case in Laboratory Medical Ethics”
- 1997 Region I ASCLS Annual Meeting, Cromwell, CT “Multidrug-Resistant Tuberculosis: From the Gene to the Street”
- 1996 Region I ASCLS Annual Meeting, Cromwell, CT “Laboratory Diagnosis of Protozoan Infections in AIDS”
- 1996 14th Annual Northeast Regional Joint Fall Conference (Maine/New Hampshire State Societies of American Medical Technologists, Maine Society for Clinical Laboratory Science, Maine chapter of CLMA), Portland, ME “Tuberculosis Update 1996.”
- 1995 Region I ASCLS Annual Meeting, Cromwell, CT “Introduction to Molecular Diagnostics”
- 1995 13th Annual Northeast Regional Joint Fall Conference (Maine/New Hampshire State Societies of American Medical Technologists, Maine Society for Clinical Laboratory Science, Maine chapter of CLMA), Portland, ME “Amplification Techniques,” “Clinical Applications of Amplification Techniques,” “Administrative Aspects of Molecular Methods.”
- 1995 Short Course on Molecular Biology and Clinical Application of Molecular Methods, Sponsored by NLTN and Connecticut Department of Public Health & Addiction Services, Hartford, CT. Course organizer, “Amplification Techniques,” “Clinical Applications of Amplification Techniques,” “Administrative Aspects of Molecular Methods.”
- 1994 Region I ASCLS Annual Meeting, Cromwell, CT “TB Update 1994”
- 1994 Connecticut Valley Branch, American Society for Microbiology, Hartford, CT. Polymerase Chain Reaction Workshop, "PCR in the Clinical Management of Tuberculosis"
- 1993 Region I ASCLS Annual Meeting, Cromwell, CT "New Methods for the Identification of Mycobacteria"
- 1992 Region I ASMT Annual Meeting, Cromwell, CT "Microsporidia -- Emerging Pathogen of Compromised Hosts"

Presentations & Symposia Given at Meetings Not Affiliated With Yale:

Regional

- 2016 New England Microbiology Directors, Sturbridge, MA. ‘Ethics of Emerging Infections in the Clinical Laboratory.
- 2014 New England Microbiology Directors, Sturbridge, MA, ‘Developing a Plan for Specimen Management and Testing of Patients with Emerging Viruses’.

Professional Service

Grant Study Sections:

1994 Invited Reviewer, NIH/NIAID Special Review Committee for RFA 94-22, "Basic Research in Human Tuberculosis." October-November 1994.

Journal Service:

Editor/Associate Editor

Point of Care: The Journal of Near-Patient Testing & Technology, March 2007-present, Associate Editor

Microbiology Spectrum, ASM Press, 2014-present, Associate Editor

Reviewer

1992-present ad hoc Reviewer for *Nature*, *Nature Communications*, *Journal of Clinical Microbiology*, *Clinical Chemistry*, *American Journal of Tropical Medicine and Hygiene*, *Archives of Pathology and Laboratory Medicine*, *ASCP Case Reports*, *Transfusion*, *First Aid for the USMLE Step 1*, *Lancet Infectious Diseases*, *Expert Review of Molecular Diagnostics*, *Clinical Infectious Diseases*, *PLoS Neglected Tropical Diseases*.

2020: Grant review for UK Research and Innovation

Professional Service for Professional Organizations:

Centers for Disease Control and Prevention

2017-2019 Liaison representative from CLIAC to the Board of Scientific Counselors (BSC), Office of Infectious Diseases (OID).

2015-2019: Member, CDC/HHS Clinical Laboratories Advisory Committee (CLIAC), CLIAC advises CDC, FDA, and HHS on issues relating to the clinical laboratory.

2009: Invited Consultant, "Implementation of Routine HIV Screening at Hospital Admission".

2007-08: Member, CDC/APHL HIV Testing Algorithm workgroup

2005: Invited Consultant, "Draft HIV Screening Recommendations for Adults, Adolescents, and Pregnant Women in Health Care Settings".

College of American Pathologists

2016-present: Member, Checklist Committee.

2007-12: Member, Microbiology Resource Committee.

2002-07: Member, Point of Care Testing Resource Committee.

American Society for Microbiology

2021 Member, Virtual Journal Club organizing committee

2016 Member, American Academy for Microbiology colloquium on "Changing Diagnostic Paradigms for Microbiology", to develop a white paper on emerging point-of-care microbial diagnostics.

2016-present: Member, Laboratory Practices Committee

2013-14: Councilor, Division C (Clinical Microbiology)

2012-13 Chair, Division C (Clinical Microbiology)

2011-12: Chair-elect, Division C (Clinical Microbiology).

2011-13: Member, Professional Practice Committee.

National Academy of Clinical Biochemistry

2005-06: Member, Practice Guidelines/ Outcome Measurements for Point of Care Laboratory Testing in Infectious Disease.

Food and Drug Administration

2018 Network of Experts, Center for Devices and Radiological Health, consultation on Lower Respiratory Tract Multiplex Molecular testing.

Clinical and Laboratory Standards Institute

- 2010-20 Chairholder, Subcommittee on Point of Care Testing for Infectious Diseases.
- 2009-11: Advisor, Area Committee on Point of Care Testing.
- 2009-11: Advisor, Subcommittee on Criteria for Laboratory Testing and Diagnosis of HIV Infection.
- 2007-10: Chairholder, Subcommittee on Quality Practices in Non-Instrumented Near-Patient Testing, Clinical Laboratory Standards Institute.
- 2012-15: Member, Area Committee on Point of Care Testing.
- 2018-20 Vice-Chairholder, Document Development Committee on Decontamination of Laboratory Equipment (QMS27)
- 2020- Member, Document Development Committee on Laboratory Safety Management (QMS28)

VA Health Care

- 2021-date Member, Integrated Clinical Community for Pathology and Laboratory Medicine (Central Office)
- 2001-present: Co-Chair, Chemistry Functional Group, VA New England Network Consolidated Laboratories, 2001-date
- 2001-02: Member, Disaster Preparedness Working Group, VA New England Healthcare System.
- 2001-02: Member, Autoverification Working Group, VA Pathology & Laboratory Medicine Central Office 2001
- 1997-present: Member, Microbiology and Chemistry Functional Groups, VA New England Network Consolidated Laboratories.
- 1997-2012: Chair, Hematology Functional Group, VA New England Network Consolidated Laboratories.
- 1995-97: President-elect and President, Association of VA Clinical Microbiologists (AVACM).

Meeting Planning/Participation

- 2015-16: Microbe 2016 Program Committee, American Society for Microbiology
- 2012-15: General Meeting Program Committee, American Society for Microbiology.
- 2010: Organizer, AACC 23rd International Symposium on Critical-Care and Near-Patient Testing, Boston, MA.
- 2008: Organizer, AACC 22nd International Symposium on Critical-Care and Near-Patient Testing, Barcelona, Spain.

Yale University Service: (list from most recent to earliest)

Medical School Committees

- 2019-present Medical School thesis review committee
- 2014-present Master Course Leaders Committee
- 2014-present Co-director, Attacks and Defenses Master Course
- 1994-2015 Basic Science Course Directors committee
- 1994-2015 Director, Medical Microbiology and Infectious Diseases (2nd year medical school course)
- 2007-11 Preclinical assessment working group
- 2002-6 Educational Technology committee
- 1996-2002 Organizer, 'Becoming Better Teachers', medical education monthly discussion group

Departmental Committees

2018-19 Chair, Clinical Chemistry Director Search Committee
2014-present Member, Clinical Competency Committee, combined Pathology / Laboratory Medicine residency program
2014-present Member, Clinical Competency Committee, Laboratory Medicine fellowship programs.
2018 Chair, Clinical Chemistry Chief Search Committee
2008-2017, Director, Clinical Microbiology Fellowship, Yale-New Haven Hospital
1996-2000 Director, Clinical Microbiology Fellowship, Yale-New Haven Hospital

Hospital Boards & Committees

2020 Chair, Laboratory and PPE section of Surgical Re-opening Working Group.
1994-present Various VA Connecticut committees, including: Infection Control Committee, Disaster Preparedness Committee, Safe Water committee, Antibiotic Stewardship Committee.

Public Service:

1988-present Hamden Plains United Methodist Church:
Choir member,
Sunday School teacher (grades 3-12 and adult),
chaired Education and Staff-Parish Relations committees multiple times;
Certified Lay Speaker 1992-2000;
Administrative Council member off and on (mostly on);
Choir director 2007-2010 and 2015-present.
Chair, church COVID response working group, 2020-21.

2012-present Branford Folk Music Society:
Program committee,
House Hoot organizer,
Board of Directors

Bibliography:

Peer-Reviewed Original Research

1. **Campbell, SM**, Rosen, JM, Hennighausen, LG, Strech-Jurk, U, and Sippel, AE (1984) Comparison of the whey acidic protein genes of the rat and mouse. *Nucl. Acids Res.* 12, 8685-8697.
2. **Campbell, SM**, Taha, MM, Medina, D, and Rosen, JM (1988) A clonal derivative of mammary epithelial cell line COMMA-D retains stem cell characteristics of unique morphological and functional heterogeneity. *Exper. Cell Res.* 177, 109-121.
3. **Campbell, SM** and Rainey, PM (1993) *Leishmania pifanoi*: Kinetics of differentially expressed messenger RNAs during differentiation of axenic amastigotes. *Exper. Parasit.* 77, 1-12.
4. Edberg, SC, Hardalo, CJ, Kontnick, C, and **Campbell, SM** (1994) Rapid detection of vancomycin-resistant enterococci. *J. Clin. Microbiol.* 32, 2182-2184.
5. Yeo SF, Zhang Y, Schafer D, **Campbell SM**, and Wong B (2000) A Rapid, Automated Enzymatic Fluorometric Assay for Determination of D-Arabinitol in Serum. *Journal of Clinical Microbiology* 38:1439-43.
6. Fasolo LR, Rocha LM, **Campbell SM**, and Peixoto AJ (2006) Diagnostic Relevance of Pyuria in Dialysis Patients. *Kidney International* 70:2035-8.
7. Yeo SF, Huie S, Sofair AN, **Campbell SM**, Durante A, and Wong B. (2006) Measurement of serum D-Arabinitol/creatinine Ratios for Initial Diagnosis and for Predicting Outcome in an Unselected, Population-Based Sample of Patients with *Candida* Fungemia. *Journal of Clinical Microbiology* 44:3894-3899.
8. Wallis RS, Jakubiec WM, Kumar V, Silvia AM, Paige D, Dimitrova D, Li X, Ladutko L, **Campbell S**, Friedland G, Mitton-Fry M, Miller PF. (2010) Pharmacokinetics and whole-blood bactericidal activity against *Mycobacterium tuberculosis* of single doses of PNU-100480 in healthy volunteers. *Journal of Infectious Diseases*: 202(5):745-51.
9. Wallis RS, Jakubiec W, Kumar V, Bedarida G, Silvia A, Paige D, Zhu T, Mitton-Fry M, Ladutko L, **Campbell S**, Miller PF. (2011) Biomarker-assisted dose selection for safety and efficacy in early development of PNU-100480 for tuberculosis. *Antimicrobial Agents & Chemotherapy*: 55:567-74.
10. Federman DG, Kravetz JD, Vasquez LS, and **Campbell SM**. (2012) Improving Human Immunodeficiency Virus Testing Rates with an Electronic Clinical Reminder. *The American Journal of Medicine*, 125:3, 240-242
11. Subhash SS, Cavauiolo M, Radonovich LJ, Eagan A, Lee ML, **Campbell S**, and Martinello RA. (2014) Effectiveness of Common Healthcare Disinfectants Against H1N1 Influenza Virus on Reusable Elastomeric Respirators. *Infection Control and Hospital Epidemiology* 35:894-7.
12. Green DA, Hitoaliaj L, Kotansky B, **Campbell SM**, and Peaper DR. (2016) Clinical Utility of On-Demand Multiplex Respiratory Pathogen Testing among Adult Outpatients. *J Clin Microbiol.* 54:2950-2955.
13. Hauser RG, **Campbell SM**, Brandt CA, Wang S. (2017) Cost-effectiveness study of criteria for screening cerebrospinal fluid to determine the need for herpes simplex virus PCR Testing. *J Clin Microbiol.* 55:1566 –1575.
14. Hauser RG, Quine DB, Ryder A, and **Campbell S** (2018) Unit conversions between LOINC codes. *J Amer Med Informatics Assoc*, 25(2):192-196.
15. Holleck JL, **Campbell S**, Alrawili H, Frank C, Merchant N, Rodwin B, Perez MF, Gupta S, Federman DG, Chang JJ, Vientos W, Dembry L. Stethoscope hygiene: Using cultures and real-time feedback with bioluminescence-based adenosine triphosphate technology to change behavior. *Am J Infect Control.* 2020 Apr;48(4):380-385

16. Stendahl K, Siddon AJ, Peaper DR, Hauser RG, **Campbell S**, Tormey CA. (2021) The Development and Implementation of a Novel Electronic Consult System by a Laboratory Medicine Service: Experience From the First 2 Years of Use. *Arch Pathol Lab Med* 145 (1): 75–81.
17. Federman DG, Gupta S, Stack G, **Campbell SM**, Peaper DR, Dembry LM, Fisher A, Tarabar AF, Kozal M, Ruser CB. SARS-CoV-2 detection in setting of viral swabs scarcity: Are MRSA swabs and viral swabs equivalent? *PLoS One*. 2020 Aug 5;15(8).
18. Elmarasi, M., Garcia-Vassallo, G., **Campbell, S.** and Fuehrlein, B. (2021), Brief Report: Rates of Fentanyl Use Among Psychiatric Emergency Room Patients. *Am J Addict*, 30: 92-95.

Chapters, Books, and Reviews

1. Rosen, JM, Jones, WK, **Campbell, SM**, Bisbee, CA, and Yu-Lee, LY (1985) Structure and regulation of peptide hormone responsive genes. *In* Proceeding of the UCLA Symposium on Membrane Receptors and Cellular Regulation Vol. 23, Alan R. Liss, New York, 385-396.
2. Rosen, JM, Rodgers, JR, Couch, CH, Bisbee, CA, David-Inouye, Y, **Campbell, SM**, and Yu-Lee, LY (1986) Multi-hormonal regulation of milk protein gene expression. *In* Metabolic Regulation: Application of Recombinant DNA Techniques. *Annals N.Y. Acad. Sci.* 478, 63-76.
3. **Campbell SM**, Fiedler PN, and Persing, DH (1992) Nucleic Acid Amplification Techniques in Clinical Diagnostics. *In* Manual of Clinical Laboratory Immunology, 4th edition. American Society for Microbiology Press, Washington, DC, p. 27-36.
4. **Campbell, SM** (1993) Amebic brain abscess and meningoencephalitis. *Semin. Neurol.* 13, 153-160.
5. Klein RD and **Campbell S** (2006) Health Care Fraud and Abuse Laws. *Archives of Pathology and Laboratory Medicine* 130:1169-1177.
6. Klein RD and **Campbell SM** (2006) Waived Tests and Testing. *Clinical Microbiology Newsletter* 28:89-93.
7. **Campbell, S** and Landry, ML (2006) ‘Rapid Antigen Tests’, *in* Tang, Yi-Wei and Stratton, C (eds.) Advanced Techniques in Diagnostic Microbiology, Springer-Verlag, p. 23-41.
8. **Campbell S**, Campos J, Hall GS, LeBar WD, Greene W, Roush D, Rudrick JT, Russell B, Sautter R. (2006) ‘Infectious Disease. Chapter 8’, *in* Nichols JH (editor) Evidence Based Practice for Point-of-Care Testing: A National Academy of Clinical Biochemistry Laboratory Practice Guideline. Washington DC. AACC Press, p. 76-87.
9. Russell, B; **Campbell, SM**; Campos, JM; Hall, GS; LeBar, WD; Greene, W; Roush, D; Rudrik, JT and Sautter, Robert L. (2007) The National Academy of Clinical Biochemistry Laboratory Medicine Practice Guidelines for Point of Care Infectious Disease Testing. *Point of Care: The Journal of Near-Patient Testing & Technology.* 6(4):231-236.
10. Griffith, BP, **Campbell S** and Mayo, DR (2007) ‘Human Immunodeficiency Viruses’ *in* Murray PR et al (eds) Manual of Clinical Microbiology, 9th Edition, ASM Press, p. 1308-1329.
11. **Campbell SM** and Howanitz PJ (2007) Resident Training in Point of Care Testing. *Clinics in Laboratory Medicine* 27:397-410.
12. **Campbell SM** and Oethinger MD (2009) ‘Infection and Host Response’ *in* Coleman WB and Tsongalis GJ (eds) Molecular Pathology, The Molecular Basis of Human Disease. Elsevier, p. 41-61.
13. **Campbell SM** and Fedoriw Y (2009) HIV Testing Near the Patient: Changing the Face of HIV Testing. *Clinics in Laboratory Medicine* 29:491-501.
14. **Campbell SM** and Fedoriw Y (2009) Point-of-Care Immunodeficiency Virus Testing. *Point of Care: The Journal of Near-Patient Testing & Technology.* 8(1): 32-35.

15. **Campbell SM** and Oethinger MD (2010) 'Chapter 3: Infection and Host Response' in Coleman WB and Tsongalis GJ (eds) *Essential Concepts in Molecular Pathology*. Elsevier, p. 25-43.
16. Griffith, BP, **Campbell S** and Caliendo, A (2011) 'Human Immunodeficiency Viruses' in Murray PR et al (eds) *Manual of Clinical Microbiology*, 10th Edition, ASM Press, p. 1302-1322.
17. **Campbell, SM** and Oren, TA (2012) Proteobacteria and Rickettsial Agents: Human Granulocytic Anaplasmosis and Human Monocytic Ehrlichiosis: in Cialling HD, Bhargava P and Sandin RL "Non-Neoplastic Hematopathology and Infections", Wiley-Blackwell, p. 159-164.
18. **Campbell S** and Landry ML (2012) Rapid Antigen Tests. in *Advanced Techniques in Diagnostic Microbiology*, 2nd edition, Kluwer Academic Publishers, p. 31-52.
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