

CURRICULUM VITAE
GERALD JOSEPH KOST, M.D., PH.D., M.S., F.A.C.B.
[UPDATE IN PROGRESS, 2023]

EDUCATION

Stanford University	B.S.	1967	Engineering
Universidad de Oriente, Curso de Post-Grado, Venezuela	Certificate	1967	Engineering
Stanford University	M.S.	1968	Engr.-Economic Systems [EEP]
University of California, San Diego*	Ph.D.	1977	Bioengineering
University of California, San Francisco* [*M.D.-Ph.D. Medical Scientist Program, UCSF]	M.D.	1978	Medical Scientist
Lilly Scholar, Research Laboratories, Indianapolis	---	1990	Critical Limits
Stanford University [Honorary Alumnus]	Honorary	2003	Mgt. Sci. & Engr.

FULBRIGHT SCHOLAR AWARDS

Fulbright Scholar, Chulalongkorn University, Bangkok	---	2003-04	Point-of-care Testing: Demography, Medicine, & Economics
Fulbright Scholar, ASEAN Program [Cambodia and the Philippines]	---	2020-22	Geospatial COVID-19 Diagnostics & Point-of-care Strategies for Island Nations

PROFESSIONAL EXPERIENCE

1965	Electrical Engineer, Bechtel Corporation
1967-69	Teaching Assistant, School of Engineering, Stanford University
1976	Faculty, Clinical Blood Gas Educational Program, San Diego
1976-77	Laboratory Assistant, Dept. of A.M.E.S. Bioengineering, Univ. of California, San Diego
1978-79	Resident, Dept. of Medicine, Univ. of California, Los Angeles
1979-80	Resident, Dept. of Neurology, Univ. of California, Los Angeles
1980-81	Resident, Dept. of Laboratory Medicine, Univ. of Washington
1981-82	Chief Resident, Dept. of Laboratory Medicine, Univ. of Washington
1982-83	Cardiopulmonary, Bioengineering, and Clinical Chemistry Research, Univ. of Washington
1983-87	Assistant Professor of Medical Pathology, School of Medicine, Univ. of California, Davis
1987-93	Associate Professor (tenured) of Medical Pathology and Faculty, Biomedical Engineering
1990-current	Founder, President, and Chief Executive Officer, Knowledge Optimization™, Davis, CA
1993-2014	Professor (tenured) of Pathology and Laboratory Medicine; Faculty, Biomedical Engineering
1983-2014	Director of Clinical Chemistry and Point-of-Care Testing (2003), UCD Health System
1995- current	Founding Director, POCT•CTR SM (Point-of-Care Testing Center for Teaching and Research)
2003-04	Fulbright Scholar, Chulalongkorn University, Bangkok Thailand
2004-17	Affiliate Faculty, College of Populations Studies, Chulalongkorn Univ., Bangkok, Thailand
2007, 2022	Visiting Professor, Guest Lecturer, Naresuan University, Phitsanulok, Thailand
2007-08	Interim Director of Clinical Pathology, UC Davis Health System
2007-14	Director & Principal Investigator, UC Davis POC Technologies Center [U54, NIBIB, NIH]
2014-19	Faculty in Comparative Pathology Graduate Group
2014-current	Emeritus Professor, Pathology and Laboratory Medicine, School of Medicine, UC Davis
2007, 14-current	Visiting Professor/Adjunct Faculty, Clinical Pathology, Faculty of Medicine, Siriraj Hospital, Mahidol University, Bangkok, Thailand

HONORS, AWARDS, GLOBAL RECOGNITION, AND INTERNATIONAL LEADERSHIP

- 2016-17 Edward A. Dickson, Endowed Emeritus Professorship, University of California
- 2020-22 Fulbright Scholar (second award), ASEAN Program
- 1963 California Scholarship Federation Highest Honor
- 1963 Bank of America Fine Arts Award
- 1963 C.K. McClatchy High School Outstanding Graduating Student Award
- 1963 S.A. Pepper Collegiate Scholarship
- 1966 Stanford-In-Britain, Stanford University
- 1967 Amer. Soc. Test. Matrls. (ASTM Intl.), Honorary Membership Award, Stanford University
- 1967 M.O.P. Award, U.S. Representative in Engineering, International Scholar, Venezuela
- 1968 Amer. Soc. Civil Engrs., Outstanding Engineering Student Award, Stanford University
- 1967-68 Graduate Engineering Fellowship, Stanford University
- 1970 N.I.H. Summer Research Fellowship, School of Medicine, U.C.S.F.
- 1972-77 National Research Service Award in Bioengineering, N.H.L.B.I.
- 1972-78 M.D., Ph.D. Medical Scientist, U.C.S.F.-U.C.S.D. Joint Program
- 1979 Invited Lecturer, Bioengineering Dept., University of Utah
- 1982 Invited Lecturer, Laboratory Medicine Dept., University of Pennsylvania
- 1982,83 Young Investigator Awards, Academy of Clinical Laboratory Physicians and Scientists
- 1986 Invited Speaker, European International Clinical Chemistry Conference in Malta
- 1986,87 Invited Speaker, American Heart Association Convention, and Golden Empire and Central Valley Research Symposia; Use of Magnetic Resonance Spectroscopy and Imaging for Neonatal and Immature Heart Research
- 1987 Invited Speaker, American Association for the Advancement of Science, Annual National Meeting, Symposium on Technology of Immunoassays
- 1987 Invited Speaker, American Association for Clinical Chemistry, National Meeting Roundtable; Magnetic Resonance Diagnosis in Clinical Chemistry
- 1984-89 Nuclear Magnetic Resonance Award, University of California, Davis
- 1989 Invited Speaker, American Heart Association, California Affiliate Convention; The Developing Heart
- 1990 Visiting Professor and Lilly Scholar, Research Laboratories, Indianapolis
- 1990 Invited Speaker, Loma Linda University; The Developing Heart
- 1990 Invited Speaker, XIV International Congress of Clinical Chemistry, Roundtable; NMR Spectroscopy in Clinical Chemistry
- 1990,93 Visiting Scientist, Mallinckrodt Sensor Systems, Ann Arbor
- 1990,91 Invited Speaker, Critical Care Medicine and Stat Testing, NOVA Biomedical Natl. Lectures
- 1991 Invited Speaker, American Association for Clinical Chemistry, National Meeting Roundtable; Whole Blood Testing for Critical Care Profiling of Children and Adults
- 1992 Invited Speaker, 30th Annual Symposium, Critical Care Medicine; Point-of-Care Testing
- 1992 Invited Speaker, American Association for Clinical Chemistry, National Meeting Symposium; Ionized Calcium: Cardiac Significance, Critical Limits, and Clinical Challenges
- 1992 Invited Speaker, American Association for Clinical Chemistry, National Meeting Roundtable on Ionized Magnesium and Workshop on Point-of-Care Testing
- 1992 Invited Speaker, CLMA, ASCP, and AARC National Meetings; The Hybrid Laboratory: Shifting the Focus to the Point of Care
- 1993 Invited Speaker, Patient-Focused Planning Forum
- 1993 Invited Speaker, Impact of Whole Blood Analyzers on Cardiac and Critical Care, NOVA Biomedical National Lecture
- 1993 Invited Speaker, American Association for Clinical Chemistry, Northern California Symp.
- 1994 Invited Speaker, American Association for Clinical Chemistry, Rocky Mountain Symposium
- 1994 Invited Speaker, American Association for Clinical Chemistry, Professional Review Course

HONORS, AWARDS, GLOBAL RECOGNITION, AND INTERNATIONAL LEADERSHIP (cont.)

- 1994 Invited Speaker, California Association for Medical Laboratory Technologists, Reno, NV
- 1994 Invited Speaker, NOVA Biomedical West Coast Lecture Series
- 1994 Invited Speaker, Northwest Medical Laboratory Symposium
- 1995 Invited Speaker, Society of Critical Care Medicine, 24th Educational and Scientific Symposium
- 1995 Invited Speaker, Laboratory in the Year 2000
- 1995 Invited Workshop, American Association for Clinical Chemistry, National Meeting; Point-of-Care Testing, The Hybrid Laboratory, and Knowledge Optimization
- 1995 Invited Speaker, Rapid Response Critical Care Testing Options, Abbott Diagnostics-NOVA Biomedical National Educational Seminars
- 1996 Invited Speaker, HealthInfo West
- 1996 Invited Speaker, Veterinary Laboratory Association
- 1996 Elected to the Clinical Chemistry Council, American Society of Clinical Pathologists
- 1996 Invited Workshop, American Association for Clinical Chemistry, National Meeting; Optimizing Point-of-Care Testing, Improving Outcomes, and Avoiding Pitfalls
- 1996 Invited Speaker, American Association for Clinical Chemistry, Southern California; Automation and Consolidation: The Future of Laboratory Medicine
- 1996 Invited United States Teleconference, American Society of Clinical Pathologists
- 1996 Invited Speaker, American College of Chest Physicians, 18th World Congress and 62nd Annual International Scientific Assembly; Point-of-Care Testing in the Intensive Care Unit
- 1997 Invited Speaker, Clinical Laboratory Management Association; Transforming the Laboratory Through New Technology
- 1997 Invited Speaker, Clinical Laboratory Management Association, International Conference, Toronto, Canada; POCT: Clinical Impact and Potential for Improving Patient Outcomes
- 1997 Invited Speaker, American Association for Clinical Chemistry, Southern California; Planning and Implementing Point-of-Care Testing Systems
- 1998 Invited Speaker, Lab Automation 98; Point-of-Care Testing: Current and Future Directions
- 1998 Speaker, 21st Annual Arnold O. Beckman Conference; Acute Coronary Syndromes: From Bench to Bedside, Strategy for Cardiac Injury Markers Use in Acute Myocardial Infarction
- 1998 Invited Speaker, First Cherry Blossom Symposium, Kochi, Japan; The Knowledge Optimization® Toolbox
- 1998 Invited Speaker, University of Michigan; The Integrated Future: Point-of-Care Testing and Modular Stepwise Automation
- 1999 Invited Speaker and Chair, International Federation of Clinical Chemistry (IFCC)-World Lab Workshop, Florence, Italy; Advances and Controversies in Critical Care, Whole Blood and Point-of-Care Testing
- 1999 Invited Speaker and Co-Chair, The Toronto Critical Care Medicine Symposium; Point-of-Care Mini-Symposium
- 1999 Invited Speaker, CLMA North State Conference, Murphys; Tools for the New Millennium
- 1999, 2000 Invited Speaker, University HealthSystem Consortium, Laboratory (Dallas, Orlando) and Respiratory (Miami) Council Meetings; Point-of-Care Testing: Improving Patient Outcomes, A Physician's Perspective, and Assessment and Future Trends
- 2000 Invited Speaker, Clinical Laboratory Management Association, Annual Conference; A State-of-the-Art Update on Point-of-Care Testing
- 2000 Invited Speaker, American Association for Clinical Chemistry National Meeting (SE Section), San Francisco; Preventing Medical Errors in Point-of-Care Testing
- 2000 Best Abstract Award, American Association for Clinical Chemistry Point-of-Care Testing Division, National Meeting, San Francisco (Zuping Tang, M.D., 1st Author, POCT•CTR)
- 2000 Outstanding Award, Scientific Partners, Roche Diagnostics

HONORS, AWARDS, GLOBAL RECOGNITION, AND INTERNATIONAL LEADERSHIP (cont.)

- 2000 Invited Speaker, Point-of-Care Testing Coordinators' Forum, Los Angeles
- 2000 Invited Speaker, National Congress; Dalian, China; Point-of-Care Testing in the 21st Century
- 2001 Invited Speaker, American Thoracic Society International Conference, San Francisco; Optimal Use of Point-of-Care Testing
- 2001 Invited Speaker, Highman Symposium, School of Medicine, UCD Health System, Sacramento, CA; Role of Point-of-Care Testing in Improving Patient Outcomes
- 2001 Invited Speaker, California Association for Medical Laboratory Technologists, Reno, NV
- 2002-06 Clinical Chemistry Resource Council, American Society for Clinical Pathology
- 2002 Invited Speaker, 9th Asian-Pacific Congress of Clinical Biochemistry, New Delhi, India
- 2002 Invited Speaker, Northern California Division, American Association for Clinical Chemistry
- 2002 Keynote Speaker, 19th International Meeting, Critical Care and Point-of-Care Testing Divisions, American Association for Clinical Chemistry; also, Invited Topic (sepsis) Speaker
- 2002 Guest Keynote Speaker, Symposium on Point-of-Care Testing; Chulalongkorn University; Bangkok, Thailand
- 2002-08 Consultant, Royal Golden Jubilee Ph.D. Program, Thailand Research Fund, Bangkok
- 2003 Plenary Speaker, 9th IFCC Bergmeyer Conference, Grainau, Germany
- 2003 Plenary Speaker, Association of Medical Technologists, Pattaya, Thailand
- 2003 Best Abstract Award, Critical and Point-of-Care Testing Division, American Association for Clinical Chemistry, National Meeting, Philadelphia (Richard Louie, Author, POCT•CTR)
- 2003 Invited Speaker, College of American Pathologists, San Diego Conference
- 2003-04 Fulbright Scholar, Chulalongkorn University, Thailand
- 2003-04 Invited Speaker in Cambodia,* Japan, South Korea,* Thailand (several), Vietnam* [*keynote]
- 2004 Invited Speaker, Rajabhat Institute, Commission on Education, Thailand Ministry of Education
- 2004 Invited Speaker, Asian Development Research Forum (ASEAN), Bangkok, Thailand
- 2005 Invited Speaker, Diagnostic Testing & the Chest Pain Center, Chulalongkorn Univ., Bangkok
- 2005 EduTrak Symposium Chair, Diagnostic Tests & Public Health, 19th Intl. Congr. AACC/IFCC
- 2005 Symposium Chair, Tsunami-Critical Care-Demography, Chulalongkorn University, Bangkok
- 2005 Invited Speaker, 2nd International Congress, Deutsche Sepsis-Gesellschaft, Weimar, Germany
- 2005 Invited Speaker, Worldwide POCT; Khon Kaen, Naresuan, & Mahidol Universities; Thailand
- 2005 Invited Speaker, Disaster POCT: Tsunami, Thai Society of Critical Care Medicine, Bangkok
- 2006, 07 Invited Speaker, Sepsis Rapid PCR Diagnosis, Intl. Symp. Inten. Care Emer. Med., Brussels
- 2006 Invited Speaker, Principles & Practice of POCT, Faculty of Medicine, Univ. Indonesia, Jakarta
- 2006 Invited Speaker, PCR-Based Pathogen Detection, Thai Infectious Dis. & Crit. Care Med. Soc.
- 2006 Invited Speaker, PCR-Based Diagnosis of Bacteria and Fungi in Blood, Bangkok Hospital
- 2006 Invited Speaker, POCT; Siriraj Med. Sch., Rajvithee Hosp., & Soc. Clin. Path.; Thailand
- 2007 Invited Speaker, POC Accuracy Pattern Recognition, Siriraj Hosp., Mahidol Univ., Thailand
- 2007 Invited Speaker, Glucose Meter Accuracy-Patient Care, AACC Natl. Mtg. Symp., San Diego
- 2007 Moderator/Speaker, Critical Care-Disaster Readiness, AACC Natl. Mtg. Symp., San Diego
- 2007 Invited Speaker, 7th Annual Meeting, Diabetes Technology Society, San Francisco
- 2007 Invited Speaker, Your Future and Point-of-Care Testing, Samitivej Hosp., Bangkok, Thailand
- 2008 Speaker, POC Pathogen Detection, Steering Comm., NIBIB POCTRN, Natcher Center, NIH
- 2008 Invited Speaker, Global View of Point-of-Care Testing, Univ. of Malaysia, Kuala Lumpur
- 2008 Invited Speaker, POCT Performance & Global Care, AACC Natl. Meeting, Washington DC
- 2008 Invited Speaker, POCT-Underserved Populations, CCPOCT Div., AACC; Barcelona, Spain
- 2008 Invited Speaker, Critical & Disaster POC Preparedness, Institute of Medicine & the National Research Council, Washington DC
- 2009 National Lecturer in Critical Care, Canadian Society of Clinical Chemists
- 2009 Invited Speaker, POC Strategies Worldwide, Outstanding Seminar Series, BME, UC Davis
- 2009 Keynote Speaker, POC HbA1c, Diabetes Mgt. Natl. Forum, Imperial Queen Park, Bangkok

HONORS, AWARDS, GLOBAL RECOGNITION, AND INTERNATIONAL LEADERSHIP (cont.)

- 2009 Keynote Speaker, Optimizing AMI Diagnosis, Naresuan University, Phitsanulok, Thailand
- 2009 Invited Presentation, Small-World Network Registries, Khao Yai Connectivity Mtg, Thailand
- 2010 Keynote Speaker, Evidence-Based Research in SE Asia, CPS, Chulalongkorn Univ., Bangkok
- 2010 Invited Speaker, Small-World Network POC HbA1c in Rural Khumuang, Buriram, Thailand
- 2010 Keynote Speaker, Early Diagnosis of AMI in Primary Care, Khon Kaen University, Thailand
- 2010 Keynote Speaker, Laboratory & Hospital Director POC HbA1c, Ubon Ratchathani, Thailand
- 2010 Invited Panelist/Speaker, Adv. Development & Commercialization of Diagnostics, 14th Intl. Conf., Emerging Infectious Dis., Pacific Rim, NIAID & US-Japan CMSP, Penang, Malaysia
- 2010 Invited Speaker, Performance Mapping POC Glucose Testing, First International Hospital Diabetes Meeting, San Diego, CA
- 2011 Invited Speaker, Standard of Care for Disaster Med., Pacific Preparedness Conf., Honolulu
- 2011 Invited Speaker, 4th Annual Case-Oriented Sym., Coagulation & CVD, Newport Beach, CA
- 2011 Organizer-Moderator, Clinically Driven Commercialization: Moving Technologies to the Point of Need, International POC Technologies Research Network Symposium [U54, NIBIB, NIH], UC Davis Medical Center, Sacramento, CA
- 2012 Keynote Speaker, National POCT Policy and Guidelines Symposium, Kuala Lumpur, Malaysia
- 2012 Invited Speaker; POCT: First Global Course; Natl. Heart Institute, Kuala Lumpur, Malaysia
- 2013 Invited Speaker; Advanced POCT: First Global Course; Mahidol University, Bangkok
- 2013 National Webinar Speaker, Emergency and Disaster POCT, Whitehat Comm. (March & May)
- 2013 Invited Keynote Speaker, National Point of Care Forum, Sao Paulo, Brazil
- 2013 Invited Speaker, National Point of Care Coordinator Meeting, Sao Paulo, Brazil
- 2013 Invited Speaker, Essential Roles of Nursing/POC Coordinators, Ramathibodi Hosp., Bangkok
- 2013 Invited Keynote Speaker, Emergency Response and Medical Point-of-Care Caches: Global Harmonization; POC Forum, AACC National Meeting, Houston, TX
- 2013 Speaker, The Use of Small-World Networks and Technological Advances in Point of Care for Disaster Preparedness, Response, and Resilience; Symposium, AACC Ntl. Mtg., Houston, TX
- 2013 Invited Speaker/Chair, 7th Ann. Enabling POC Diagnostics for EBM Conf., CHI, Wash. DC
- 2013 Invited Speaker, Molecular Diagnosis of Sepsis, Assoc. Molecular Path., Phoenix AZ
- 2013 Invited Plenary Speaker, International Point-of-Care Symposium, Beijing, China
- 2013 Invited Leader, Point-of-Care Testing Workshop, Wuhan, China
- 2014 Invited Speaker, Molecular Diagnostics, AMMI-CACMID Ann. Conf., Victoria, Canada
- 2014 Invited Speaker, Environmental Stress Effects on Point-of-Care Testing, Roche Diagnostics Leadership Workshop (Moderator, Dr. David Klonoff, Univ. of California, San Francisco)
- 2014 Invited Speaker, Role of POC Testing During an Emergency or Disaster; Satellite Symposium, International Federation of Clinical Chemistry and Laboratory Medicine (IFCC) WorldLab Meeting, Istanbul, Turkey
- 2014 Invited Speaker, Global Point of Care; International Symposium on Critical and POC Testing: Real World and Emerging Applications for Improved Outcomes; Critical and Point-of-Care Testing Division, American Association for Clinical Chemistry, Canadian Society and European Federation of Clinical Chemistry, and the IFCC; San Diego, CA (video broadcast)
- 2014 Invited Teaching Workshop, Roche Diagnostics, Manila, Philippines
- 2014 Invited Keynote Speaker, The Spatial Care Path:TM (including Ebola): Optimizing POC Testing from Rescue to ER and Intensive Care for Improved Outcomes, Inauguration and the First Academic Conference of the Specialty Committee of Emergency of the World Federation of Chinese Medical Societies, Longhua Hospital, Shanghai University, China
- 2014 Invited Keynote Speaker, Global Point of Care: An Overview of Needs Assessment, Environmental Stresses, the POC Coordinator, and What's New; The Ebola Spatial Care PathTM: Accelerating Diagnosis at the Point of Need; and National Point-of-Care Testing Policy and Guidelines; Ministry of Public Health, Thailand (3 presentations)

HONORS, AWARDS, GLOBAL RECOGNITION, AND INTERNATIONAL LEADERSHIP (cont.)

- 2014-15 Global Point of Care and Ebola Preparedness Series of interactive USA National/International Webinars, Whitehat Communications (see <http://www.whitehatcom.com/>)—10/30/14, 2/26/15, 7/2/15, 9/22/15, and 11/12/15
- 2015 Invited Speaker, Molecular Detection of Ebola Virus Disease and Point-of-Care Tests for Diagnosis and Monitoring to Stop Outbreaks, New Disease Areas and Global Health Topics, Point-of-Care Diagnostics Conference, San Diego, California
- 2015 Invited Planning Member, POCT Task Force, IFCC, European Congress of Clinical Chemistry and Laboratory Medicine, EuroMedLab, Paris, France
- 2015 Invited Speaker, National Meeting, Philippine Council for Quality Assurance in Clinical Laboratories (PCQACL), Manila, Philippines: Disaster Management and Ebola Preparedness; Quality Issues for Point-of-Care Testing in a Resource-Limited Setting: Can IQCP Help?, and How POCT Improves Care and Educates Physicians: Exciting Contemporary Examples and Innovative Opportunities (including the Mars Colony)
- 2015 Point-of-Care Coordinator Training, POC Forum, Manila, Philippines
- 2015 Invited Speaker, Laboratory Preparation for Ebola: Accelerating Diagnosis at the Point of Need; International Symposium, POCT Task Force; IFCC, Cancun, Mexico
- 2015 Outstanding Speaker Award (Improving Outcomes through Point-of-care Testing Certificate Program), American Association for Clinical Chemistry (rec'd. 5/16)
- 2016 Award for Outstanding Contributions to Clinical Chemistry through Science/Technology: Point-of-care Testing, Ebola, and Disaster Preparedness; American Association for Clinical Chemistry (NorCal)
- 2016 Keynote Speaker; Point-of-Care Testing, Small-world Networks, and the new Thailand POCT Guidelines with IQCP; Huayyos Community Hospital, Hui Yot, Trang, Thailand
- 2016 Invited Speaker, Risk Mitigation and Innovative Quality Creation Programs: The New Individualized Quality Control Plan; Clinical Pathology Faculty, Siriraj Hospital, Mahidol University, Bangkok, Thailand
- 2016 Invited Keynote Speaker, How POCT Improves Care & Educates Physicians, Bio-innovation Symposium, Taipei, Taiwan
- 2016 Invited Speaker, How POC Testing Can Add Value and Improve Outcomes, POC Forum, Taipei, Taiwan
- 2016 Keynote Speaker, National POC Testing Policy and Guidelines Development, Taiwan Association of Medical Technologists, Taichung; and the POC Forum, Taipei; Taiwan
- 2016 Invited Task Force Member, POCT, Internatl. Fed. of Clinical Chemistry, Madrid, Spain
- 2016 Invited Speaker: 1) How POC Testing Adds Value & Improves Outcomes, including the Role of the POC Coordinator; 2) POC Testing Strategies for Rapid Diagnosis of Acute Myocardial Infarction; and 3) POC Training Workshops—Educational Lecture Tour of Vietnam (Ho Chi Minh City, Hue, and Hanoi)
- 2016 Inaugural Member and Consultant, POCT Advisory Board, Roche Diagnostics, Amsterdam, The Netherlands
- 2016 Scientific Keynote Speaker, Vision for Multiplex POC Tests and POC Infectious Disease Molecular Diagnostics, TriMark POCT Conference, Newark/Fremont, CA
- 2016 Invited Consultant, U.S. Government Accountability Office (GAO) & The National Academies (NAS), Washington DC; Expert Meeting on Multiplex Point-of-Care Diagnostic Technologies; and follow-up Consultant for the Final Report to the Senate Homeland Security and Governmental Affairs Committee and the House Energy and Commerce Committee, The Congress of the United States

HONORS, AWARDS, GLOBAL RECOGNITION, AND INTERNATIONAL LEADERSHIP (cont.)

- 2016 Invited Speaker; How Point-of-care Testing can add Value and Improve Outcomes, including the Role of the POC Coordinator, POCT Strategies for Rapid Diagnosis of Acute Myocardial Infarction: A View to the Future, National POCT Policy and Guidelines for Problems like Ebola, MERS-CoV, Zika, and other Highly Infectious Diseases; and Environmental Stress: How to handle in IQCP (4 presentations); King Faisal Specialist Hospital and Research Center, Riyadh, Saudi Arabia
- 2016 Outstanding Speaker Award (Point-of-care Conference, San Jose), American Association for Clinical Chemistry (rec'd. 8/17)
- 2016-17 Edward A. Dickson Endowed Emeritus Professorship, University of California
- 2017 Invited Speaker, POCT for Ebola and other Highly Infectious Threats: Principles, Practice, and Strategies for Stopping Outbreaks; Chairperson, Emerging Cancer Molecular Markers; 24th International Molecular Med Tri-Con, San Francisco, CA
- 2017 Invited Speaker, Global Point of Care—Unmet Needs, Crisis Response, and Future Challenges; Munchner Point-of-Care Testing Symposium; Technischen Universität München, Germany
- 2017 Co-Chair and Moderator, Analyzers and Organizational Concepts of the IVD Industry, Special Corporate Feature Session; Munchner Point-of-Care Testing Symposium; Technischen Universität München, Germany
- 2017 Keynote Speaker & Invited Instructor, 7 Presentations on the POC Coordinator; Vietnam Association of Clinical Biochemists, Hanoi [Part 1, 1-week educational tour, April-May.]
- 2017 Keynote Speaker & Invited International Training Faculty, 7 Presentations on POCT; Center for Standardization & Quality Control in the Medical Laboratory, Ho Chi Minh City, Vietnam [Part 2, 1-week educational tour.] Certificate of Appreciation in great recognition of valuable contribution as a speaker for The Workshop for the Point-of-care Testing Coordinator
- 2017 Innovator, Organizer, and Keynote Lecturer (6 lectures), POCT International Symposium, Hue University; Sponsored by Dr. Kost, Director, and the POCT•CTR at the University of California, Davis, and held in Hue, Central Vietnam
- 2017 Invited Keynote Speaker, A Global View of Unmet Needs in Point-of-Care Testing, Next Generation Diagnostics Summit, Washington DC (August)
- 2017 Invited Speaker, Point-of-care Testing Conference, Shanghai Hospital, China
- 2017 Invited Speaker, Quality Control Excellence for Point-of-care Testing, In Vitro Diagnostics New Technology Scientific Forum, Hangzhou, China
- 2017 Planning Task Force Member, POCT, International Federation of Clinical Chemistry; WorldLab 2017, Durban, South Africa
- 2017 Invited Speaker, Environmental Factors Affecting Point-of-care Testing, Satellite Symposium; International Federation of Clinical Chemistry and Laboratory Medicine; WorldLab2017, Durban, South Africa
- 2017 Invited Speaker, Developing National Point-of-Care Testing Guidelines and Successful Models of Point-of-Care Testing in the Hospital; Point-of-Care Summit, Shanghai, China
- 2017 Invited Speaker, How Can We Involve the IQCP (individualized quality control plan) as Part of Hospital Quality Management Systems?, Promoting POCT and Improving Hospital Quality Control Meeting, Beijing, China
- 2017 Invited Speaker, Advances in Point-of-Care Testing, POCT Symposium, Singapore
- 2017 Albert Nelson Marquis Lifetime Achievement Award, Marquis's Who's Who
- 2018 Invited Speaker, Point-of-care Diagnostic Testing for Infectious Diseases in Low Resource Settings; ASM Microbe, Society for Applied Microbiology, Georgia World Congress Center, Atlanta

HONORS, AWARDS, GLOBAL RECOGNITION, AND INTERNATIONAL LEADERSHIP (cont.)

- 2018 Invited Speaker, *, Point-of-Care Testing – Is it the Best Choice? Institute for Quality Management in Healthcare, Toronto, Ontario, Canada [* Indicates title to be filled in.]
- 2019-current International Federation of Clinical Chemistry and Laboratory Medicine. Consultant to the Committee on Point-of-care Testing [formerly the POCT Task Force]
- 2019 Invited Speaker, Implementing POCT in a Developing Country, First Cambodian National Medical Laboratory Quality Conference: Quality Diagnostic Services for Healthcare; Phnom Penh, Cambodia
- 2019 Invited Speaker, A New Era for Point-of-care Testing Inside and Outside the Hospital, Srinakharinwirot University; Bangkok, Thailand
- 2019 Invited Speaker, Point-of-care Biomarkers in Vietnam: International Exchange, Needs Assessment, and Spatial Care Paths; Hue University, Central Vietnam
- 2020 Invited Speaker, COVID-19 Diagnostics & Panel Moderator, Deploying POCT to Manage Disease Outbreaks, Molecular Med, TRI-CON Live, San Francisco, CA
- 2020 Invited Speaker, Point-of-Care COVID-19 Diagnostics—Understanding Performance Metrics and Creating Practice Guidelines, UCLA M-Health, MD2K Webinar Series, NIH
- 2020 Invited Speaker, Challenges of Diagnosing COVID-19 in Low Prevalence Settings; MedLab Asia/Asia Health Virtual Edition: Clinical Chemistry; Bangkok, Thailand
- 2020 Invited Speaker & Chairperson, Enabling Point-of-care Diagnostics, Next Generation Dx Virtual Conference, Interactive Global Summit, Washington DC
- 2021 Moderator & Speaker, Understanding COVID-19 Diagnostics & Optimizing Community Resilience, Virtual Conference, Univ. of Puthisastra, Phnom Penh, Cambodia (May 8)
- 2021 Point-of-care testing Workshops, National Institute of Public Health, National Public Health Laboratory; Phnom Penh, Cambodia (May-August)
- 2021 Invited Speaker, Mathematically Assisted Interpretation of COVID-19 Diagnostic Tests, Clinical Chemistry Conference, MedLab Middle East, Dubai World Trade Convention Centre, United Arab Emirates (June 23)
- 2021 Invited Speaker, Strategic Professional and Diagnostic Advances to End the Pandemic and Anticipate the Next One, Virtual/Live Hybrid Event, Next Generation Dx Summit, Washington DC (August 24-26)
- 2021 Invited Speaker, Public Health Education Should Include POCT – Lessons Learned from the COVID-19 Pandemic; POCT: Making the Point Conference, POCT Education Committee, International Federation of Clinical Chemistry and Laboratory Medicine (IFCC); Rome, Italy (September 6-7) [See accompanying paper in the *e-JIFCC*.]
- 2021 Keynote Speaker, Transforming the Future Before It Happens—What Covid Taught Us; Moving On, Moving Forward...Beyond Covid-19, 18th Annual Convention (virtual), Philippine Council for Quality Assurance in Clinical Laboratories (PCQACL), the Philippines (September 22)
- 2021 Resource Speaker, Diagnostic Testing for COVID-19: Mathematics, Prevalence, Special Scenarios, and Quality; Point of Care CQI, PCQACL, the Philippines (September 24)
- 2022 Spatial Care Paths for COVID-19 and Medical Crises — Home, Community, and Emergency Diagnostic Portals; 7th Annual Visayas Health Research and Innovation Conference, Negros Oriental State University, Philippines (July 14)
- 2022 How to Design Point-of-care Strategies for Island Populations Displaced by Global Warming, Rising Oceans, and Superstorms; MedLab Asia, Bangkok (October 19)
- 2022 How to Organize a Manuscript and Deal with Reviewers, and How to Form a Hypothesis and Test It; Workshops, Naresuan University, Phitsanulok, Thailand (October 21)
- 2022 How to Design Point-of-care Strategies for Island Populations Displaced by Global Warming, Rising Oceans, and Superstorms; Invited Lecture, Naresuan University, Phitsanulok, Thailand (October 22)

HONORS, AWARDS, GLOBAL RECOGNITION, AND INTERNATIONAL LEADERSHIP (cont.)

2022 Visiting Professor/Adjunct Faculty, College of Public Health Sciences, Chulalongkorn University, Bangkok, Thailand (appointment pending)

[THE FOLLOWING SECTIONS HAVE NOT YET BEEN UPDATED.]

NATIONAL ACADEMY

National Academy of Clinical Biochemistry [Elected, 2001; Board of Directors, 2004-07]

HONOR SOCIETIES

Mu Alpha Theta (mathematics), Phi Kappa Phi (scholarship), and Sigma Xi (science)

NATIONAL/GLOBAL GUIDELINE (in progress)

G.J. Kost, Lead Co-Chair (with J.H. Nichols), *Emergency and Disaster Point-of-Care Testing (POCT16)*, Clinical and Laboratory Standards Institute (CLSI), Wayne PN

TEACHING AWARDS, LEADERSHIP, AND NATIONAL SPEAKING RECOGNITION

1985-1992 Instructor of Record, Laboratory Medicine, School of Medicine, UC Davis

1988,89 Freshman Seminar Innovation Program Awards, UC Davis Campus

1989 National Review Course Teaching Award, Clinical Chemistry

TEACHING AWARDS, LEADERSHIP, AND NATIONAL SPEAKING RECOGNITION (cont.)

1990-2012 Sponsor, Edmonson Fellowships, Pathology & Laboratory Medicine, School of Medicine

1990- Founder (with Mike Bishop & Chancellor's Grant), Undergraduate Research Conference, UC Davis; renamed "Undergraduate Research, Scholarship, & Creative Activities Conf."

1992-2009 Instructor of Record, Clinical Pathology Clerkship, UCD Health System

2000 Certificate of Appreciation, Medical Technology School, UCD Health System

2007-2014 Team Teaching Lead, YouTube [<http://www.youtube.com/user/POCTCTR>], Educational Outreach Program, UC Davis Point-of-Care Technologies Center [U54, NIBIB, NIH]

2013 Sponsor, Public Health and POCT Fellow (Ms. Melody Zhou) in China

2015 National Webinars, Whitehat Communications (see www.whitehatcom.com)

2015 Outstanding Speaker Award, American Association for Clinical Chemistry (rec'd. 5/16)

2017 Innovator & Leader, POCT International Symposium, Hue University, Hue, Vietnam

PROFESSIONAL SOCIETIES

AACC American Association for Clinical Chemistry (current member)

Critical and Point-of-Care Testing Div. (Inaugural Member); Nom. Comm. [completed]

ACLPS Academy of Clinical Laboratory Physicians and Scientists (past member)

ASCP American Society of Clinical Pathologists (past member)

CCE Clinical Chemistry Council, 1996-2001; Resource Council, 2002-07 [completed]

BMES Past Member

CIC Connectivity Industry Consortium (Founding Provider Member) [completed]

IFCC Invited Inaugural Member (2012-2018), Point-of-Care Testing Task Force, International Federation for Clinical Chemistry and Laboratory Medicine; Meetings in Kuala Lumpur, Malaysia ('12); Milan, Italy ('13); Istanbul, Turkey ('14); Cancun, Mexico ('15); Madrid, Spain ('16); and Durban, South Africa ('17). Continuing as Consultant.

SCCM Society of Critical Care Medicine National Task Force on POCT [completed]

EDITORIAL AND ADVISORY BOARD MEMBERSHIPS

1997- Member, Editorial Board, *Advance for Administrators of the Laboratory*

- 1999- Member, Editorial Board, *Clinica Chimica Acta*
- 2001- Member, Editorial Board, *Archives of Pathology and Laboratory Medicine*
- 2001- Inaugural Member, Editorial Board, *Point of Care: The Journal of Near-Patient Testing and Technology*; Editor, Special Issue on Public Health, December, 2006; Contributor, Special Commemorative Issue on Connectivity (Connectivity Industry Consortium), 2011; and Reviewer (2001-)
- 2005- Member, Editorial Board, *Asian Archives of Pathology*, Thai Royal College of Pathology
- 2006- Member, Editorial Board, *Asian Biomedical & Research Review*, Chulalongkorn University
- 2006- Member, Editorial Board (2006-09) and Reviewer (2010-current), *Critical Care Medicine*
- 2010- Inaugural Member, Advisory Board, *Journal of Demography*, Chulalongkorn University
- 2010-11 Associate Editor for Special Issue, *IEEE Transactions on Biomedical Engineering Letters*
- 2012-15 Associate Editor, *Encyclopedia of Analytical Chemistry*
- 2012- Member, Editorial Board, *American Journal of Disaster Medicine*
- 2012- Member, Editorial Board, *International Journal of Behavioral Science*, Behavioral Science Research Institute, Srinakharinwirot University, Bangkok, Thailand
- 2012- Associate Editor, *Translational Engineering in Health and Medicine, IEEE*
- 2012- International Clinical Advisory Group, Flinders University International Centre for Point-of-Care Testing, School of Medicine, Adelaide, South Australia; Professor Mark Shephard, Director; see <http://www.flinders.edu.au/medicine/sites/point-of-care/structure.cfm>

EDITORIAL AND REVIEWER CONTRIBUTIONS

- 1986 *Laboratory Medicine*, Invited Editorial: "Ask the Experts"
- 1986 Group for Research in Pathology Education, Contributor
- 1986,01-03,06 *Clinical Chemistry*, Invited Reviewer
- 1986,87 *Computer Methods and Programs in Biomedicine*, Invited Reviewer
- 1986,94-98 *Archives of Pathology and Laboratory Medicine*, Invited Reviewer (Editorial Board, 2001-)
- 1987,90,92, 96, & 00 *Archives of Pathology and Laboratory Medicine*, Invited Editorials: "The Challenges of Ionized Calcium: Cardiovascular Management and Critical Limits," "The Impact of Whole Blood Testing on Response Time: A Challenge for the New College of American Pathologists' Q-Probes Program," "The Hybrid Laboratory," "Designing Critical Limit Systems for Knowledge Optimization", and "Connectivity: The Millennium Challenge for Point-of-Care Testing"
- 1990-01 Member, Editorial Board, *Laboratory Robotics and Automation (LRA)*
- 1991,94 *Journal of the American Medical Association*, Invited Reviewer
- 1992 Guest Editor, Automation of the Clinical Laboratory, *LRA*
- 1993-01 Editorial Advisory Board, Wiley-Interscience Series on Laboratory Automation
- 1995 Guest Editor, *Pathology Patterns, American Journal of Clinical Pathology*
- 1997 Editorial Contributor, *IEEE Spectrum*
- 1997 Editorial Contributor, *Health Measures*
- 1998 *American Journal of Respiratory and Critical Care Medicine*, Invited Reviewer
- 1998,99,01 American Society of Clinical Pathologists, *Check Sample*, Invited Reviewer
- 1998 Guest Editor, *Probe*, Clinical Laboratory Management Association
- 2000 *Laboratory Medicine*, Invited Reviewer
- 2000 *American Heart Journal*, Invited Reviewer
- 2000 *American Journal of Cardiology*, Invited Reviewer
- 2001,06 *Medscape General Medicine* (on-line), Invited Reviewer
- 2001,02 *The Journal of Critical Illness*, Invited Reviewer
- 2001-14 *Critical Care Medicine*, Invited Reviewer (Editorial Board, 2006-2011)
- 2003- *Expert Reviews in Molecular Diagnostics*, Invited Reviewer
- 2004 *Expert Review of Medical Devices*, Invited Reviewer

2005- *Clinical Chemistry and Laboratory Medicine*, Invited Reviewer
2006 *Pediatrics*, Invited Reviewer; *Biomedical Central Pediatrics* (on-line), Invited Reviewer
2008- *American Journal of Disaster Medicine*, Invited Reviewer
2009 *Journal of Diabetes Science and Technology*, Invited Reviewer
2009 *Analytical Chemistry*, Invited Reviewer
2009 *Critical Care Medicine*, Invited Editorial: “Point-of-care glucose testing in critically ill patients: visual logistics and a glycemic variability hypothesis”
2010 *Clinica Chimica Acta*, Invited Editorial: “New directions for evaluating point-of-care PT-INR performance: A visual logistics approach”
2010-14 *Expert Opinion on Medical Diagnostics*, Invited Reviewer
2011 *IEEE Transactions on Biomedical Engineering Letters*, Goals Editorial: “Emerging Technologies in Point-of-Care Health Care,” Special Issue
2012-13 *Point of Care*, Editor for Four Special Issues: “Transformative Point-of-Care Scenarios, Strategies, and Value Propositions for Resiliency”
2014- *Clinical Biochemistry*, Invited Reviewer
2014-15 *Current Medical Research & Opinion*, Invited Reviewer
2017 Invited Guest Editor, *PLOS ONE*

NATIONAL SCIENTIFIC, MEDICAL, & BIOENGINEERING PEER REVIEW

1989 National Science Foundation (NSF), Directorate for Engineering
1993,94 National Heart, Lung, and Blood Institute (NHLBI), NIH
1999 Alberta Heritage Foundation for Medical Research, Health Research
2000 NASA Clinical Physiology and National Space Biomedical Research Institute (Cardiovascular Alterations) Peer Review Panels
2003 TUSEF (Thailand-US Educational Fndtn.), Thailand Research Fund (Fulbright Awards)
2004-07 Fulbright Scholar Specialist Reviewer, Life Sciences D-Medical I
2008, 09 Hematology and Pathology Devices Panel, Special Government Employee, Food and Drug Administration (FDA)
2009 Instrumentation, National Inst. for Biomedical Imaging and Bioengineering (NIBIB), NIH
2010 Quantum Phase II Study Section, NIBIB, NIH
2010, 11 International Space Station (Biomed-ISS), NASA-NIBIB (2010)—the 1st Joint NIH and NASA Panel; and Special Emphasis Panel, ZEB1 OSR-E M1 S (2011), NIBIB; NIH
2014 External Reviewer, Enabling Technologies for Rapid, Low-Cost Blood Testing, 7th Ontario Research Fund-Research Excellence Competition, Ministry of Research and Innovation, Toronto, Ontario, Canada
2015 Peer Review Panel, Medical Research Program for the Department of Defense Congressionally Directed Medical Research Programs (CDMRP), W81XWH-15 PRMRP-DA, Discovery-Integrative Medicine (DIS-IM)
2016 External Reviewer, Point-of-Care Testing, Thailand Research Fund
2016 Emerging Infectious Diseases, Panel of the Peer Reviewed Medical Research Program (PRMRP) for the Department of Defense Congressionally Directed Medical Research Programs (CDMRP), Discovery Award (SRA International)
2016- Peer Review Panel, Antimicrobial Resistance Rapid, Point-of-Care Diagnostic Test Challenge Competition Technical Evaluation, [NOT-OD-16-137, ZRG1IDM-V (50) S] [Largest monetary prize, \$20 million, in US history!]
2016-17 PhD Thesis Referee for Dean Mukhtiar Hassan, Faculty of Health Sciences (Biochemistry and Endocrinology), Hazara University, Mansehra, Pakistan
2017 Invited Scientific Reviewer, Netherlands Innovation Challenge

DISTINCTIONS

- Who's Who [past and present] Who's Who in California, Who's Who in the West, Who's Who of Emerging Leaders in America, Who's Who in the World, Who's Who in Medicine and Healthcare, Who's Who in Science and Engineering, Who's Who in America; Lexington Who's Who; International Who's Who of Professionals; Albert Nelson Marquis Lifetime Achievement Award
- Featured Researcher Developing Heart Research Program Featured by the California Affiliate American Heart Association in a Special Bulletin, 1988-89
- Trumpet, Soloist & Performer Stanford Bands; Organ and Choral Group, Stanford-In-Britain; San Francisco New Age Orchestra; La Jolla Civic University Orchestra, Chamber Ensemble, and Brass Choir; Guest Performer, Baldo Chamber Hall, Braun Music Center, Stanford University, with the Baldo Chamber Players; Yolo County Concert Band; Wind Ensemble, Brass Quintet, University Concert Band, UCD; Davis Brass Ensemble; Yolo Community and the assembled musicians Valley Concert Band, Carnegie Hall, New York City

DISTINCTIONS (cont.)

- Carnegie Hall, Soloist Yolo Community Concert Band—Carnegie Hall and Atrium-Trump Towers, New York City; and Science Center, New Jersey, performances, June 2017; Trumpet Soloist for Italian in Algiers by Rossini
- ITG Member (past), International Trumpet Guild
- Millberry Art Award One-Man Show at the University of California, San Francisco, and Invited to the Art Festival at the University of California, Santa Barbara (while at UCSF)
- Certificado Graduado United States Representative in Engineering in the Curso de Post-Grado, Universidad de Oriente, Venezuela; Graduation Diploma, 1967
- Mahout Master, Basic Skills of a Mahout (Khwan Chang), Golden Triangle, Thailand, 2007
- Point of Care Firsts First POCT Original Definition & Codification (*Chest* 1999;115:1140-1154), First Paper Published in the *POC Journal* (2002;1:2-8), First Wikipedia Entry (January 2007)
- Point-of-Careology Joint project with Dr. Liu, Wuhan, China, to define this new field in China, the United States, and globally

SCHOLARSHIP

- 4.00 G.P.A. Graduate Program for the Doctor of Philosophy Degree in Bioengineering, U.C.S.D.
- 3.72 G.P.A. "Exceptional Candidate" Engineering Curriculum, Undergraduate and Graduate Studies (200 quarter units) Dean's Letter Summary, School of Medicine, Univ. of California, San Francisco: "This is an exceptional candidate with a rich and creative background in research and much devotion to his tasks. His medical school performance is outstanding and he is a well organized, friendly and mature person."

PROFESSIONAL CERTIFICATIONS, LICENSURES, AND SPECIALTY TRAINING

- 1979 Diplomat, United States National Board of Medical Examiners No. 145640
- 1979 California License No. GO40878

1980 Washington License No. 0018245 (inactive)
1983 Diplomat, Clinical Pathology, American Board of Pathology
1984,88,90 Certified NMR Spectroscopist and Imager, NMR Facility, U.C.D.; and G.E. Systems
1992-94 Participating Guest, Center for Accelerator Mass Spectrometry, LLNL
2003 Critical Values, Audioconference, American Association for Clinical Chemistry (AACC)
1983- Radiation Use Authorization, No. 9006, U.C.D. (renewed every three years)
2007 Improving the Reporting of Critical Test Results, Audioconference, AACC

GENERAL CERTIFICATIONS (including *rescue*)

1972 NAUI Open Water SCUBA Diver (201351)
2003 PADI Master/ Enriched Air SCUBA Diver (0310041223)
PADI Rescue (0211067754) and NITROX (0210029661)
2005 PADI National Geographic SCUBA Diver (0510076079)
2006 PADI Equipment Specialist
DAN (1429565) Member
PADI (011720844) Member (past)

Updated October, 2017 — Version E4.5

Intermediate Update April 27, 2021 — E5.0

Partial Update October 25, 2022 — E6.0

PUBLICATIONS [Update in progress 2023.]
GERALD JOSEPH KOST, M.D., Ph.D., M.S., F.A.C.B.

1. 1967 Kost, G.J., L.A. Alvestequi, J.M. Lopez, and C.E. Masquera. Aspectos hidrológicos sobre inundaciones en la cuenca del río Neveri. Boletín del Ministerio Obras Públicas, pages 1-23, August.
2. 1977 Kost, G.J. Utilization of surface pH electrodes to establish a new relationship for muscle surface pH, venous pH, and arterial pH. Proceedings of the San Diego Biomedical Symposium. 16:25-33, and I.E.E.E. Transactions on Biomedical Engineering. 25:110, 1978.
3. 1980 Kost, G.J. and M.A. Verity. A new variant of late-onset myophosphorylase deficiency. Muscle and Nerve. 3:195-201.
4. 1982 Kost, G.J. Muscle surface pH: Measurement technique and responses to acidosis and alkalosis. Journal of Applied Physiology: Respiratory, Environmental, and Exercise Physiology. 52:85-90.
5. 1982 Kost, A.L. and G.J. Kost. A comparison of fiber types and measurement techniques in the medial gastrocnemius and soleus muscles of the rabbit. Microscopica Acta. 86:25-36.
6. 1982 Kost, G.J., J.L. Chow, and M. Kenny. Unpredictable fluctuations in transcutaneous pCO₂ from capillary blood gas determinations. Clinical Chemistry. 28:1514-1516.
7. 1983 Kost, G.J. Theory of network planning for laboratory research and development. American Journal of Clinical Pathology. 79:353-359.
8. 1983 Kost, G.J. Surface pH responses of muscles of different fiber-type composition to catecholamines. Journal of Applied Physiology: Respiratory, Environmental, and Exercise Physiology. 54:1667-1672.
9. 1983 Kost, G.J., J.L. Chow, and M.A. Kenny. Transcutaneous carbon dioxide for short-term monitoring of neonates. Clinical Chemistry. 29:1534-1536.
10. 1983 Ashwood, E.R., G.J. Kost, and M. Kenny. Temperature correction of blood-gas and pH measurements. Clinical Chemistry. 29:1877-1885.

PUBLICATIONS (CONTINUED)**GERALD J. KOST, M.D., Ph.D., M.S., F.A.C.B.**

11. 1983 Kost, G.J., J.L. Chow, and M.A. Kenny. Monitoring of transcutaneous carbon dioxide tension. American Journal of Clinical Pathology. 80:832-838.
12. 1984 Kost, G.J. Surface pH of the medial gastrocnemius and soleus muscles during hemorrhagic shock and ischemia. Surgery. 95:183-190.
13. 1984 Kost, G.J. Uniform abbreviations, symbols, and units in clinical pathology. American Journal of Clinical Pathology. 81:413-414.
14. 1984 Ashwood, E.R., G.J. Kost, and M. Kenny. Temperature correction of blood pO₂ measurements. Clinical Chemistry. 30:596.
15. 1984 Kost, G.J. Hypothesis relating catecholamine release to changes in electrode pH during fetal scalp monitoring. Obstetrics and Gynecology. 64:597.
16. 1986 Kost, G.J. Venous total carbon dioxide: Correlation with arterial bicarbonate and clinical usefulness. Laboratory Medicine. 17:74.
17. 1986 Kost, G.J. Discrimination and other statistical intervals for the interpretation of in vivo patient monitoring data. Statistics in Medicine. 5:347-354.
18. 1986 Kost, G.J., M.A. Jammal, R.E. Ward, and A.M. Safwat. Monitoring of ionized calcium during human hepatic transplantation: Critical values and their relevance to cardiac and hemodynamic management. American Journal of Clinical Pathology. 86:61-70.
19. 1986 Kost, G.J. Application of Program Evaluation and Review Technic (PERT) to laboratory research and development planning. American Journal of Clinical Pathology. 86:186-192.
20. 1986 Chow, J.L., G.J. Kost, and M.A. Kenny. Reliability of transcutaneous carbon dioxide monitoring in premature infants with chronic lung disease. Singapore Medical Journal. 27:489-495.
21. 1986 Kost, G.J. Management by objectives for the academic medical center. American Journal of Clinical Pathology. 86:738-744.

PUBLICATIONS (CONTINUED)**GERALD J. KOST, M.D., Ph.D., M.S., F.A.C.B.**

22. 1987 Chow, J.L., D.R. Olson, S.E. Anderson, Q.M. VanderWerf, and G.J. Kost. A microcomputer-based system for processing 31-Phosphorus nuclear magnetic resonance spectra from studies of cardiac metabolism in immature hearts.
Computer Methods and Programs in Biomedicine. 25:39-46.
23. 1987 Kost, G.J., D.R. Fraser, and J.M. Drummer. Bimodal distribution in venous carbon dioxide content in healthy subjects.
Clinical Chemistry. 33:1473-1474.
24. 1987 Kost, G.J. The challenges of ionized calcium: Cardiovascular management and critical limits. [invited editorial]
Archives of Pathology & Laboratory Medicine. 111:932-934.
25. 1988 Kost, G.J., J.K.T. Trent, and D. Saaed. Indications for measurement of total carbon dioxide in arterial blood.
Clinical Chemistry. 34:1650-1652.
26. 1988 Chow, J.L., K.N. Levitt, and G.J. Kost. Biological NMR spectral analysis by an expert system.
I.E.E.E Engineering in Medicine and Biology. 10:1391-1392.
27. 1989 Kost, G.J., S.E. Anderson, G.B. Matson, and C.B. Conboy. A cylindrical-window NMR probe with extended tuning range for studies of the developing heart.
Journal of Magnetic Resonance. 82:238-252.
28. 1989 Kost, G.J., S.E. Anderson, and C.B. Conboy. New NMR probe designs for neonatal, immature and adult heart research.
Biomaterials, Artificial Cells, and Artificial Organs. (Formerly Biomaterials, Medical Devices, and Artificial Organs) 17:45-59.
29. 1990 Kost, G.J. Critical limits for urgent clinician notification at US medical centers.
Journal of the American Medical Association. 263:704-707.
30. 1990 Kost, G.J. pH standardization for Phosphorus-31 magnetic resonance heart spectroscopy at different temperatures.
Magnetic Resonance in Medicine. 14:496-506.
31. 1990 Kost, G.J., P.J. Vogelsang, B.L. Reeder, K.L. Omand, and C.S. Leach. Future trends in automation of non-isotopic immunoassay.
Laboratory Robotics and Automation. 1:275-284.

PUBLICATIONS (CONTINUED)**GERALD J. KOST, M.D., Ph.D., M.S., F.A.C.B.**

32. 1990 Kost, G.J. Laboratory critical limits and SI units at US hospitals. Journal of the American Medical Association. 264:334-335.
33. 1990 Kost, G.J. and T.L. Shirey. New whole-blood testing for laboratory support of critical care at cardiac transplant centers and U.S. hospitals. Archives of Pathology & Laboratory Medicine. 114:865-868.
34. 1990 Kost, G.J. The impact of whole-blood testing on response time: A challenge for the new College of American Pathologists Q-Probes program. Archives of Pathology & Laboratory Medicine. 114:921-922. [invited editorial]
35. 1990 Kost, G.J. New stat laboratory instrumentation: We can and should satisfy clinicians' needs for rapid response. American Journal of Clinical Pathology. 94:522-523.
36. 1991 Kost, G.J., D.A. Wiese, and T.P. Bowen. New whole blood methods and instruments: Glucose measurement and test menus for critical care. Journal of the International Federation of Clinical Chemistry. 3:160-172.
37. 1991 Kost, G.J. Critical limits for emergency clinician notification at United States children's hospitals. Pediatrics. 88:597-603.
38. 1992 Carr, L.J., Q.M. VanderWerf, S.E. Anderson, and G.J. Kost. Age-related response of rabbit heart to normothermic ischemia: a ³¹P-MRS study. American Journal of Physiology: Heart and Circulatory Physiology. 262:H391-H398.
39. 1992 Kost, G.J. The hybrid laboratory: Shifting the focus to the point of care. Medical Laboratory Observer. 24(9 Supplement):17-28.
40. 1992 Kost, G.J. Strategies to reduce hyperkalemia-induced cardiac arrhythmias in premature infants and newborns. Pediatrics. 89:1130-1131.
41. 1992 Leiserowitz, G.S., A.T. Evans, S.J. Samuels, K. Omand, and G.J. Kost. Serial determinations of creatine kinase and its MB isoenzyme in the third trimester and the peripartum period. Journal of Reproductive Medicine. 37:910-916.
42. 1992 Kost, G.J. and K.L. Omand. Automation of the clinical laboratory: Cancer markers and challenges for the 1990's. Laboratory Robotics and Automation. 4:235-239.

PUBLICATIONS (CONTINUED)**GERALD J. KOST, M.D., Ph.D., M.S., F.A.C.B.**

43. 1992 Joshi, M.J., K.L. Omand, and G.J. Kost. Current status and automation of radioimmunoassay (RIA).
Laboratory Robotics and Automation. 4:269-275.
44. 1992 Omand, K.L., T.P. Bowen, and G.J. Kost. Performance of the automated, random access OPUS immunoassay system.
Laboratory Robotics and Automation. 4:323-328.
45. 1992 Kost, G.J. The hybrid laboratory: The clinical laboratory of the 1990's is a synthesis of the old and the new. [invited editorial]
Archives of Pathology & Laboratory Medicine. 116:1002-1003.
46. 1993 Kost, G.J. Using critical limits to improve patient outcome. (Cover Article)
Medical Laboratory Observer. 25:22-27.
47. 1993 Chow, J.L., K.N. Levitt, and G.J. Kost. NMRES: An artificial intelligence expert system for quantification of cardiac metabolites from 31-Phosphorus nuclear magnetic resonance spectroscopy.
Journal of Biomedical Engineering. 21:247-258.
48. 1993 Kost, G.J. New whole blood analyzers and their impact on cardiac and critical care.
Critical Reviews in Clinical Laboratory Sciences. 30:153-202. Invited Review Article.
49. 1993 Kost, G.J., M. Inn, and T.M. Johnson. Regression workstation for clinical chemistry method evaluation.
Clinical Chemistry. 39:1547-1548.
50. 1993 Kost, G.J. The significance of ionized calcium in cardiac and critical care: Availability and critical limits at US medical centers and children's hospitals.
Archives of Pathology & Laboratory Medicine. 117:890-896.
51. 1993 Lee, J.H. and G.J. Kost. Quality blood specimens (for potassium measurement) with a standardized finger-incision device.
Clinical Chemistry. 39:2342-2343.
52. 1993 Kost, G.J. and J.P. Lathrop. Designing diagnostic testing for patient-focused care.
Medical Laboratory Observer 25(9 Supplement):16-26.

PUBLICATIONS (CONTINUED)**GERALD J. KOST, M.D., Ph.D., M.S., F.A.C.B.**

53. 1994 Anderson, S.A., L.J. Carr, T.D. Schierling, and G.J. Kost. Are age-related differences in response to myocardial ischemia and cardioplegia pH dependent? *Biology of the Neonate*. 65:25-35.
54. 1994 Southon, J.R., M.S. Bishop, and G.J. Kost. ^{41}Ca as a tracer for calcium uptake and deposition in heart tissue during ischemia and reperfusion. *Nuclear Instruments and Methods in Physics Research*. B92:489-491.
55. 1994 Bishop, M.S., I. Husain, M. Aldred, and G.J. Kost. Multisite point-of-care potassium testing for patient-focused care. *Archives of Pathology & Laboratory Medicine*. 118:797-800.
56. 1995 Grove, J.R., A. Behbin, and G.J. Kost. Modified ventilator with logic controller for cardiorespiratory synchronization of magnetic resonance imaging in small animals. *Medical and Biological Engineering and Computing*. 33:104-107.
57. 1995 Kost, G.J. Point-of-care testing: Clinical immediacy, significance, and outcomes. *American Journal of Clinical Pathology*. 104:S1.
58. 1995 Kost, G.J. and C. Hague. The current and future status of critical care testing and patient monitoring. *American Journal of Clinical Pathology*. 104:S2-S17.
59. 1995 Kost, G.J. Guidelines for point-of-care testing: Improving patient outcomes. *American Journal of Clinical Pathology*. 104:S111-S127.
60. 1996 Kost, G.J. Artificial Intelligence and New Knowledge Structures. In: Kost, G.J., Ed., *Handbook of Clinical Automation, Robotics, and Optimization*, John Wiley & Sons, New York, pages 149-193.
61. 1996 Kost, G.J. and C. Hague. *In Vitro*, *Ex Vivo*, and *In Vivo* Biosensor Systems. In: Kost, G.J., Ed., *Handbook of Clinical Automation, Robotics, and Optimization*, John Wiley & Sons, New York, pages 648-753.
62. 1996 Kost, G.J. Point-of-Care Testing \Rightarrow The Hybrid Laboratory \Rightarrow Knowledge Optimization. In: Kost, G.J., Ed., *Handbook of Clinical Automation, Robotics, and Optimization*, John Wiley & Sons, New York, pages 757-838.

PUBLICATIONS (CONTINUED)**GERALD J. KOST, M.D., Ph.D., M.S., F.A.C.B.**

63. 1996 Kost, G.J. Point-of-Care Testing: Patient-Focusing for the Future. In: Howanitz, P.J., J.H. McBride, J. Joseph, I.B. Rosenzweig, and R. Schall, Eds., *Professional Practice in Clinical Chemistry: A Review*, American Association for Clinical Chemistry Press, Washington, D.C., pages 443-454 in the first edition, 1994, and pages 111-122 in the second edition, 1996.
64. 1996 Kost, G.J. Designing critical limit systems for knowledge optimization. *Archives of Pathology & Laboratory Medicine*. 120:616-618. [invited editorial]
65. 1998 Kost, G.J. Point-of-care testing in intensive care. In: Tobin, M.J., Ed., *Principles and Practice of Intensive Care Medicine*, New York: McGraw-Hill, Chapter 74, pages 1267-1296.
66. 1998 Kost, G.J. Planning and implementing point-of-care testing systems. In: Tobin, M.J., Ed., *Principles and Practice of Intensive Care Medicine*, New York: McGraw-Hill, Chapter 75, pages 1297-1328.
67. 1998 Kost, G.J., H.-T. Vu, J. Lee, et al. Multicenter study of oxygen-insensitive handheld glucose point-of-care testing in critical care/hospital/ambulatory patients in the United States and Canada. *Critical Care Medicine*. 26:581-590.
68. 1998 Kost, G.J., K. Omand, and J.D. Kirk. A strategy for the use of cardiac injury markers (troponin I and T, creatine kinase-MB mass and isoforms, and myoglobin) in the diagnosis of acute myocardial infarction. *Archives of Pathology & Laboratory Medicine*. 122:245-251.
69. 1998 Felder, R.A. and G.J. Kost. Modular stepwise automation and the future of diagnostic testing. Part I. *Medical Laboratory Observer*. 30:22-24,26-27.
70. 1998 Kost, G.J. and R.A. Felder. Modular stepwise automation and the future of diagnostic testing. Part II. *Medical Laboratory Observer*. 30:46,48,56.
71. 1998 Kost, G.J. CLR (Clinical Laboratory Reference) critical limits. *Medical Laboratory Observer*. 30:8-9.
72. 1998 Kost, G.J. Samples for blood gas critical limits. *Medical Laboratory Observer*. 30:14,16

PUBLICATIONS (CONTINUED)**GERALD J. KOST, M.D., Ph.D., M.S., F.A.C.B.**

73. 1998 Kost, G.J. Point-of-care testing. [invited guest editor]
CLMA Leadership in Clinical Systems Management, Wayne, PA.
Probe. Module 14, February, 8 pages.
74. 1998 Kost, G.J. Optimizing point-of-care testing in clinical systems management.
Clinical Laboratory Management Review. 12:353-363.
75. 1998 Kost, G.J., K. Omand, and J.D. Kirk. A strategy for the use of cardiac injury
markers (troponin I and T, creatine kinase-MB and mass, and myoglobin) in
the diagnosis of acute myocardial infarction.
Archives of Pathology & Laboratory Medicine. 122:949-950. [Response to
Letter to the Editor]
76. 1999 Kost, G.J. Knowledge optimization: Theory and application to point-of-care
testing. In: Westwood, J.D., H.M. Hoffman, R.A. Robb, and D. Stredney,
Eds. *Medicine Meets Virtual Reality (7). The Convergence of Physical and
Informational Technologies: Options for a New Era in Healthcare*. IO
Press, Washington, D.C., pages 189-190. [Stud Health Technol Inform
1999;62:189-190]
77. 1999 Kost, G.J., S.S. Ehrmeyer, B. Chernow, J.W. Winkelman, G.P. Zaloga,
R.P. Dellinger, and T. Shirey. The laboratory-clinical interface: Point-of-
care testing. [multicenter paper]
Chest. 115:1140-1154.
78. 2000 Tang, Z., X. Du, R.F. Louie, and G.J. Kost. Effects of drugs on glucose
measurements with handheld glucose meters and a portable glucose
analyzer.
American Journal of Clinical Pathology. 113:75-86.
79. 2000 Louie, R.F., Z. Tang, D.V. Sutton, J.H. Lee, and G.J. Kost. Point-of-
care glucose testing: Effects of critical care variables, influence of
reference instruments, and a modular glucose meter design.
Archives of Pathology & Laboratory Medicine. 124:257-266.
80. 2000 Tang, Z., X. Du, R.F. Louie, and G.J. Kost. Effects of pH on glucose
measurements with handheld glucose meters and a portable glucose
analyzer for point-of-care testing.
Archives of Pathology & Laboratory Medicine. 124:577-582.
81. 2000 Louie, R.F., Z. Tang, D.G. Shelby, and G.J. Kost. Point-of-care
testing: Millennium technology for critical care.
Laboratory Medicine. 31:402-408.

PUBLICATIONS (CONTINUED)**GERALD J. KOST, M.D., Ph.D., M.S., F.A.C.B.**

82. 2000 Tang, Z., J.H. Lee, R.F. Louie, and G.J. Kost. Effects of different hematocrit levels on glucose measurements with handheld meters for point-of-care testing. *Archives of Pathology & Laboratory Medicine*. 124:1135-1140.
83. 2000 Kost, G.J. Point-of-Care Testing. In: Meyers, R.A., Ed. *Encyclopedia of Analytical Chemistry: Instrumentation and Applications*. Chichester, England: John Wiley and Sons, Volume 2, Chapter 540, pages 1603-1625.
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**POINT-OF-CARE COURSE FOR LIMITED-RESOURCE COUNTRIES
A GLOBAL RESOURCE: LECTURE MODULES AND WORKSHOPS**

Kost, G.J., C. Delany (Switzerland), N.L. Gentile (POCT•CTR), and A. Longley (Durham, NC)

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- 406. 2011-2014 Course overview and suggested schedules
- 407. 2011-2014 Module 1: An overview of point-of-care testing
- 408. 2011-2014 Module 2: Regulatory oversight and accreditation options
- 409. 2011-2014 Module 3: Establishing a point-of-care testing program
- 410. 2011-2014 Module 4: Instrument selection and validation
- 411. 2011-2014 Module 5: Policies and procedures
- 412. 2011-2014 Module 6: Project management and planning
- 413. 2011-2014 Module 7: Training and competency assessment
- 414. 2011-2014 Module 8: Analyzing quality
- 415. 2011-2014 Workshop 1: How to write a point-of-care testing business case
- 416. 2011-2014 Workshop 2: Training and project management
- 417. 2011-2014 Workshop 3: Point-of-care testing committee and stakeholders
- 418. 2011-2014 Workshop 4: Diabetes POC on the wards and in outpatient settings
- 419. 2011-2014 Workshop 5: Point-of-care testing in the Emergency Department
- 420. 2011-2014 Workshop 6: Point-of-care testing for critical care
- 421. 2011-2014 Workshop 7: Point-of-care testing for cardiac care

Special Synthesis by Dr. Kost—

- 422. 2013-2015 Combined Modules (3): The essential roles of point-of-care coordinators in assuring the quality of bedside and near-patient testing
- 423. 2013-2015 Interactive Workshop: Accreditation, instrument selection, connectivity, quality assurance, and leadership for beside and near-patient testing
- 424. 2016 Spatial Module: Highly infectious diseases (Ebola, MERS-Co, and Zika)

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GERALD J. KOST, M.D., Ph.D., M.S., F.A.C.B

[UNDER REVISION – NOT YET UPDATED.]

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190. 2007 Kost, G.J. Potential value of multiplexed PCR-based rapid pathogen detection in the management of septic patients. Satellite Symposium—DNA Matters, 27th International Symposium on Intensive Care and Emergency Medicine, Brussels, Belgium, March 27.
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201. 2007 Kost, G.J. Bedside Glucose Testing, Total Quality Management, the POC Coordinator, and POCT Accreditation: Your Future with Point of Care Testing. [Keynote Speaker] Samitivej Hospital “Buncha Lumsum” Meeting, Bangkok, December 25.
202. 2008 Tran, N.K., R.F. Louie, N.L. Gentile, and G.J. Kost. Photon-based point-of-care testing for critical, emergency, and disaster care: A vision of the future. [Also: Dr. Louie, invited panelist] First International Congress on Biophotonics (ICOB), Sacramento, CA, February 3-7, No. R12.
203. 2008 Kost, G.J. and B. Hindson. Rapid Multipathogen Detection for POCT and National Disaster Readiness. National Institute of Biomedical Imaging and Bioengineering, POC Technologies Research Network Steering Committee and NIH Community, Natcher Center, Bethesda, MD, March 7.
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210. 2008 Kost, G.J. The global view of point-of-care testing [Invited Lecture]. Malaysia University, Kuala Lumpur, May 12 .
211. 2008 Louie, R.F. and G.J. Kost. Clinical utility of multiplex PCR for pathogen detection in whole blood and a new Point-of-Care Technologies Research Network [NIBIB, NIH]. Northern California Section of the American Association for Clinical Chemistry, Berkeley, May 28.
212. 2008 Baker, B.R., S.B. Hall, C.L. Torres, M.W. Lam, J.R. Smith, S.N. Gardner, E.A. Vitalis, R.F. Louie, N.K. Tran, G.J. Kost, J.M. Dzenitis, and B.J. Hindson. Point-of-care detection of bloodstream pathogens I. LLNL Postdoctoral Poster Symposium, Lawrence Livermore National Laboratory, Livermore, CA, May.
213. 2008 Gentile, N.L., N.K. Tran, R.F. Louie, and G.J. Kost. Point-of-care technologies center: Mission and overview. Center for Biophotonics Science and Technology, 6th Annual Retreat, July 14-16.
214. 2008 Kost, G.J. Glucose meter performance required for tight glycemic control: A global evidence-based initiative. [Invited Speaker] Patient Safety and Tight Glycemic Control: How Close is Close Enough? American Association for Clinical Chemistry National Meeting Symposium, Washington DC, July 29.

NATIONAL AND INTERNATIONAL PRESENTATIONS (continued)

215. 2008 Washabaugh, L.K., B.R. Baker, S.B. Hall, C.L. Torres, M.W. Lam, J.R. Smith, S.N. Gardner, E.A. Vitalis, R.F. Louie, N.K. Tran, G.J. Kost, J.M. Dzenitis, and B.J. Hindson. Point-of-care detection of bloodstream pathogens II. Lawrence Livermore National Laboratory Student Research Symposium. Livermore, CA, August.
216. 2008 Tran, N.K., D.H. Wisner, T.E. Albertson, S.H. Cohen, D.G. Greenhalgh, J.M. Galante, H.H. Phan, and G.J. Kost. Rapid multiplex PCR-based pathogen detection in surgical trauma and burn patients. Felix D. Battistella Lectureship, Department of Surgery, University of California, Davis Health System, Sacramento, September 13.
217. 2008 Kost, G.J. Point-of-care testing for underserved populations and disaster preparedness worldwide. [Invited Speaker] Critical and Point-of-Care Testing: Managing Technology for the Benefit of All Populations. International Meeting of the Critical and Point-of-Care Testing Division, American Association for Clinical Chemistry. Barcelona, Spain, September 18, page 131.
218. 2008 Boonlert, W., N. Charuraks, S. Inburan, and G.J. Kost. The assessment of vascular stiffness and occlusion in metabolic disease, risk groups of cardiovascular disease, and healthy volunteers at a Primary Care Unit in Phitsanulok, Thailand. The 9th Thai Research Fund Conference. Cha-Am, Petchaburi, Thailand, October 25.
219. 2008 Kost, G.J. Point-of-care strategies: Critical care, disaster medicine, and public health preparedness worldwide. [Invited Speaker] BioWatch and Public Health Surveillance: Evaluating Systems for the Early Detection of Biological Threats, Institute of Medicine and National Research Council of the National Academies. Washington DC, November 3, page 151.
220. 2009 Kost, G.J. Point-of-care Strategies: Critical care, disaster medicine, and public health preparedness worldwide. [Invited Speaker] Outstanding Seminar Series, Biomedical Engineering Department, UC Davis, February 26.
221. 2009 Kulrattanamaneeporn, S., K. Wongboonsin, and G.J. Kost. Factors related to the use of telemedicine service in Thailand. Royal Golden Jubilee PhD Congress X. Pattaya, Chonburi, Thailand, April 3-5.

NATIONAL AND INTERNATIONAL PRESENTATIONS (continued)

222. 2009 Kraynov, L., T.K. Brock, R.F. Louie, and G.J. Kost. Effects of thermal stress on test strips and test cuvettes for point-of-care hemoglobin, white blood cell, and glucose measurement. Proceedings of the Undergraduate Research, Scholarship, and Creative Activities Conference. 20:120.
223. 2009 Mecozzi, D.M., J.R. Sifontes, N.K. Tran, R.F. Louie, T.K. Brock, N. L. Gentile, and G.J. Kost. A novel visual logistics survey method for obtaining strategic data for national preparedness. Proceedings of the Undergraduate Research, Scholarship, and Creative Activities Conference. 20:147.
224. 2009 Sifontes, J., and G.J. Kost. Worldwide assessment of the performance of glucose meter systems: Application of locally-smoothed median absolute difference curves. Proceedings of the Undergraduate Research, Scholarship, and Creative Activities Conference. 20:223.
225. 2009 Gentile, N.L., B.R. Baker, S.B. Hall, E.A. Vitalis, R.F. Louie, N.K. Tran, J.M. Dzenitis, and G.J. Kost. Loop-mediated isothermal amplification (LAMP): A novel nucleic acid recognition technique for rapid pathogen identification in patients with septicemia: Part I. UC Davis Department of Pathology and Laboratory Medicine Annual Research Retreat, Sacramento, CA, May.
226. 2009 Gentile, N.L., N.K. Tran, and G.J. Kost. Rapid multiplex pathogen detection of bacteremia using loop-mediated isothermal amplification. Center for Biphotonics Science and Technology Retreat, Squaw Valley, CA, July 13-15.
227. 2009 Gentile, N.L., B.R. Baker, S.B. Hall, E.A. Vitalis, R.F. Louie, N.K. Tran, J.M. Dzenitis, and G.J. Kost. Loop-mediated isothermal amplification (LAMP): A novel nucleic acid recognition technique for rapid pathogen identification in patients with septicemia: Part II. Center for Biophotonics Science and Technology (NSF Site Review). Sacramento, CA, May 8.
228. 2009 Gentile, N.L., B.R. Baker, S.B. Hall, E.A. Vitalis, R.F. Louie, N.K. Tran, J.M. Dzenitis, and G.J. Kost. Loop-mediated isothermal amplification (LAMP): A novel nucleic acid recognition technique for rapid pathogen identification in patients with septicemia: Part III. [Invited Poster] Cambridge Healthtech Institute's Molecular Diagnostics for Infectious Disease Conference. Washington, D.C., August 11-12.

NATIONAL AND INTERNATIONAL PRESENTATIONS (continued)

229. 2009 Kost, G.J., R. Sonu, and C.M. Curtis. Point-of-care hemoglobin A1c testing provides strategic advantage in small-world networks. [Invited Keynote Speaker]
Diabetes Management: Point of Care National Forum, The Imperial Queen's Park, Bangkok, Thailand, September 10.
230. 2009 Tran, N.K., D.H. Wisner, T.E. Albertson, S.H. Cohen, D.G. Greenhalgh, T.L. Palmieri, C. Polage, and G.J. Kost. Multiplexed PCR-based pathogen detection in trauma surgery and burn surgery patients with suspected sepsis. Western Regional Burn Conference, Salt Lake City, UT, September 24-26.
231. 2009 Boonlert, W., N. Charuraks, P. Ngamlert, and G.J. Kost. Serum high sensitivity C-Reactive Protein levels between central obesity and healthy normal waist circumference adults.
The 10th Thai Research Fund Conference. Cha-Am, Phetchaburi, Thailand, October.
232. 2009 Kost, G.J. Emergency point-of-care cardiac biomarker testing in Thailand: Optimizing the diagnosis of acute myocardial infarction using regional small-world networks. [Invited Keynote Speaker, Visiting Professor for the Biomedical Sciences Graduate Program, Faculty of Allied Health Sciences]
Naresuan University, Phitsanulok, Thailand, December 25.
233. 2009 Kost, G.J. Small-world network patient registries and their impact.
Khao Yai Connectivity National Meeting, Thailand, December.
234. 2010 Kost, G.J. Discovering research questions, hypotheses, and survey methods for evidence-based research in Southeast Asia. [International Guest Keynote Speaker]
College of Population Studies, Chulalongkorn University, Bangkok, Thailand, January 5.
235. 2010 Kost, G.J., A. Kanoksilp, R. Sonu, and A. Banpavichit. Point-of-need HbA1c for evidence-based diabetes care in the primary care small-world network of the Kumuang Community Hospital: A demonstration project in Buriram Province, Thailand.
Bangkok Diabetes and Endocrine Center, Bangkok Hospital and the National Health Systems, January 7.

NATIONAL AND INTERNATIONAL PRESENTATIONS (continued)

236. 2010 Kost, G.J. Early diagnosis of AMI in primary care small-world networks. [Invited Keynote Speaker]
Cardiovascular Symposium, Khon Kaen University, Isaan, Thailand, January 15.
237. 2010 Kost, G.J. The primary care model—delivery of efficient health care in Northern Isaan, Thailand. [Panel Moderator]
Cardiovascular Symposium, Khon Kaen University, Isaan, Thailand, January 15.
238. 2010 Gentile, N.L., J.W. Czajka, J. Lewington, G.V. Williams, A.H. Reis, C.R. Polage, P.A. Barry, and G.J. Kost. Highly multiplex LATE-PCR pathogen detection for critical care.
Capturing Innovation: The Impact on Emerging Diagnostic Technologies, 42th Annual Oak Ridge Conference, American Association for Clinical Chemistry, San Jose, CA, April 22-23.
239. 2010 Singh, H., N.K. Tran, and G.J. Kost. Locally-smoothed median and maximum absolute difference (MAD, MaxAD) performance criteria for point-of-care decision making: Applications to bedside glucose testing devices.
Capturing Innovation: The Impact on Emerging Diagnostic Technologies, 42th Annual Oak Ridge Conference, American Association for Clinical Chemistry, San Jose, CA, April 22-23.
240. 2010 Sonu, R., R.S. Larson, M. Bisoffi, and G.J. Kost. Point-of-care surface acoustic wave biosensors for blood donor screening: Keeping the blood supply safe and available for emergency and disaster.
Capturing Innovation: The Impact on Emerging Diagnostic Technologies, 42th Annual Oak Ridge Conference, American Association for Clinical Chemistry, San Jose, CA, April 22-23.
241. 2010 Singh, H., N.K. Tran, and G.J. Kost. Locally-Smoothed (LS) Median and Maximum Absolute Difference (MAD, MaxAD): Theory, application, and clinical boundary conditions.
Proceedings of the Undergraduate Research, Scholarship and Creative Activities Conference. Davis, CA, April 30. 21:95.
242. 2010 Gentile, N.L., and G.J. Kost. Point-of-care pathogen detection for critical care using highly multiplex linear-after-the exponential polymerase chain reaction: I.
Department of Pathology and Laboratory Medicine Research Retreat, UC Davis, May 2.

NATIONAL AND INTERNATIONAL PRESENTATIONS (continued)

243. 2010 Gentile, N.L., and G.J. Kost. Point-of-care pathogen detection for critical care using highly multiplex linear-after-the exponential polymerase chain reaction: II.
Center for Biophotonics Science and Technology (NSF Site Review), Sacramento, CA, May.
244. 2010 Hale, K.N., N.L. Gentile, B.R. Baker, S.B. Hall, E.A. Vitalis, N.K. Tran, R.F. Louie, J.M. Dzenitis, and G.J. Kost. Loop-Medicated Isothermal Amplification (LAMP): A rapid, multi-pathogen detection device for *Staphylococcus aureus* and *Pseudomonas aeruginosa* in whole blood.
Center for Biophotonics Science and Technology (NSF Site Review). Sacramento, CA, May.
245. 2010 Brock, T.K. and G.J. Kost. Point of care needs assessment for critical-emergency-disaster point-of-care testing.
TRIMARK Conference, Point-of-Care Testing 3: Breakthroughs in Patient Care and Data Management, San Diego, CA, May 10.
246. 2010 Singh, H., N.K. Tran, and G.J. Kost. Locally-smoothed median and maximum absolute difference performance criteria for point-of-care decision making: Applications to bedside glucose testing devices.
TRIMARK Convention, Point-of-Care Testing 3: Breakthroughs in Patient Care and Data Management, San Diego, CA, May 9-11.
247. 2010 Yu, J.N., T.K. Brock, D.M. Mecozzi, N.K. Tran, G.J. Kost. Enabling emergency and disaster care through evidence-based point-of-care device design.
Integrated Medical, Public Health, Preparedness and Response Training Summit, Las Vegas, NV, June 2-4.
248. 2010 Tran, N., T.K. Brock, D. Mecozzi, and G.J. Kost. A preanalytical whole-blood testing cassette for point-of-care combat casualty diagnostics.
11th Annual UC Systemwide Bioengineering Symposium, University of California, Davis, June 17-19, page 101.
249. 2010 Singh, H., N.K. Tran, and G.J. Kost. Locally-smoothed (LS) median and maximum absolute difference (MAD, MaxAD): theory, application, and boundary conditions.
Clinical Chemistry. 56: A163.

NATIONAL AND INTERNATIONAL PRESENTATIONS (continued)

250. 2010 Gentile, N.L., J.W. Czajka, J. Lewington, G.V. Williams, A.H. Reis, P.A. Barry, C.R. Polage, and G.J. Kost. Point-of-care pathogen detection for critical care using highly multiplex linear-after-the exponential polymerase chain reaction. Center for Biophotonics Science and Technology Retreat. Squaw Valley, CA, July 14-15.
251. 2010 Kost, G.J., A. Kanoksilp, R. Sonu, and A. Banpavichit. Point-of-need HbA1c for evidence-based diabetes care in the primary care small-world network of Ubon Ratchathani Province, Thailand. Part I: A Point-of-Care Perspective for Laboratory Directors. [Invited Speaker] Ubon Ratchathani Regional Provincial Hospital, August 30.
252. 2010 Kost, G.J., A. Kanoksilp, R. Sonu, and A. Banpavichit. Point-of-need HbA1c for evidence-based diabetes care in the primary care small-world network of Ubon Ratchathani Province, Thailand. Part II: Public Health Strategic Planning and The Role of Provincial Hospital Directors. [Invited Speaker] Ubon Ratchathani Regional Provincial Hospital, August 30.
253. 2010 Gentile, N.L., K. Hale, J. Czajka, J. Lewington, G. Williams, A. Reis, P. Barry, C. Polage, and G.J. Kost. Point-of-care pathogen detection for critical care and low resource settings using highly multiplex linear-after-the exponential polymerase chain reaction. [Invited Paper] Next Generation Diagnostics for Infectious Diseases: Challenges and Opportunities, 14th International Conference on Emerging Infectious Diseases (EID) in the Pacific Rim, National Institute of Allergy and Infectious Diseases (NIAID) and the United States-Japan Cooperative Medical Sciences Program (CMSP), Penang, Malaysia, October 4-6, page 45.
254. 2010 Kost, G.J. The advanced development and commercialization of diagnostics and the Point-of-Care Technologies Research Network [NIBIB]. [Invited Speaker and Panelist] Next Generation Diagnostics for Infectious Diseases: Challenges and Opportunities, 14th International Conference on Emerging Infectious Diseases (EID) in the Pacific Rim, National Institute of Allergy and Infectious Diseases (NIAID) and the United States-Japan Cooperative Medical Sciences Program (CMSP), Penang, Malaysia, October 4-6.

NATIONAL AND INTERNATIONAL PRESENTATIONS (continued)

255. 2010 Kost, G.J., H. Singh, and N.K. Tran. Performance mapping point-of-care glucose Testing: locally-smoothed median and maximum absolute difference curves. [Invited Speaker, Panelist, and Steering Committee Member] Blood Glucose Testing in the Hospital, First International Hospital Diabetes Meeting, San Diego, CA, October 9, S89-S92.
256. 2011 Gentile, N., J.W. Czajka, J. Lewington, G.V. Williams, A.H. Reis, P.A. Berry, C.R. Polage, and G.J. Kost. Point-of-care pathogen detection for critical care using highly multiplex linear-after-the-exponential polymerase chain reaction. Interdisciplinary Graduate and Professional Student Symposium, University of California, Davis.
257. 2011 Kost, G.J., C.M. Curtis, R.F. Louie, and K.M. Shermock. Current practices in point-of-care testing: an evidence-based approach. Case-Oriented Symposium on Coagulation and Cardiovascular Disease, Newport Beach, CA, June 3.
258. 2011 Gentile, N.L., W.B. Boonlert, A.D. Dillier, G.V. Williams, J.W. Czajka, G.J. Kost. Point-of-care (POC) pathogen detection for critical care using multiplex linear-after-the-exponential polymerase chain reaction (LATE-PCR). Department of Pathology and Laboratory Medicine Research Retreat, UC Davis Medical Center, Le Rivage Hotel, Sacramento, CA, June 10.
259. 2011 Louie, R.F., W.J. Ferguson, S.L. Sumner, J.N. Yu, C.M. Curtis, K.T. Paw U, G.J. Kost. Temperature and humidity affect the performance of point-of-care glucose testing for emergency and disaster care. Department of Pathology and Laboratory Medicine Research Retreat, UC Davis Medical Center, Le Rivage Hotel, Sacramento, CA, June 10.
260. 2011 Boonlert, W., N.L. Gentile, A. Dillier, D.J. Bimson, G.V. Williams, J.W. Czajka, A.H. Reis, L. Rice, R. Carver-Brown, L.J. Wangh, and G.J. Kost. Determining the limit of detection of a multiplex LATE-PCR Assay for near-patient evaluation of critically ill patients: steps toward commercial implementation. 2011 POCTRN International Forum: Clinically Driven Commercialization: Moving Technologies to the Point of Need, University of California, Davis, Medical Center, Sacramento, CA, June 24.

NATIONAL AND INTERNATIONAL PRESENTATIONS (continued)

261. 2011 Brock, T.K., R.F. Louie, N. Gentile, D. Bimson, J.N. Yu, W. Boonlert, A. Longley, and G.J. Kost. Point-of-care curriculum coordinates intensive care, emergency support, and disaster response. 2011 POCTRN International Forum: Clinically Driven Commercialization: Moving Technologies to the Point of Need, University of California, Davis, Medical Center, Sacramento, CA, June 24.
262. 2011 Curtis, C.M., W.E. Dager, R.J. Sonu, E.B. Ammirati, S.L. Sumner, and G.J. Kost. Point-of-need preparedness for hematology, hemostasis, and transfusion crises encountered in critical care, emergencies, and disasters. 2011 POCTRN International Forum: Clinically Driven Commercialization: Moving Technologies to the Point of Need, University of California, Davis, Medical Center, Sacramento, CA, June 24.
263. 2011 Ferguson, W.J., R.F. Louie, S.L. Sumner, J.N. Yu, C.M. Curtis, K.T. Paw U, and G.J. Kost. Dynamic thermal and humidity stresses on the performance of two point-of-care glucose reagent test strips for emergency and disaster care. 2011 POCTRN International Forum: Clinically Driven Commercialization: Moving Technologies to the Point of Need, University of California, Davis, Medical Center, Sacramento, CA, June 24.
264. 2011 Gentile, N.L., G.V. Williams, J.W. Czajka, A.H. Reis, P.A. Barry, C.R. Polage, and G.J. Kost. Point-of-care pathogen detection for critical care and low resource settings using multiplex linear-after-the-exponential polymerase chain reaction. 2011 POCTRN International Forum: Clinically Driven Commercialization: Moving Technologies to the Point of Need, University of California, Davis, Medical Center, Sacramento, CA, June 24.
265. 2011 Kanoksilp, A., G.J. Kost, D.M. Mecozzi, R. Sonu, C.M. Curtis, and J.N. Yu. Point-of-need hemoglobin A1c for evidence-based diabetes care in rural small-world networks. 2011 POCTRN International Forum: Clinically Driven Commercialization: Moving Technologies to the Point of Need, University of California, Davis, Medical Center, Sacramento, CA, June 24.
266. 2011 Katip, P., G.J. Kost, A. Suwanyangyuen, S. Kulrattanamaneeorn, N. Gentile, and J.N. Yu. Point-of-care testing and continuous O₂ saturation monitoring following the Tsunami in the small-world network of Phang Nga Province, Coastal Thailand. 2011 POCTRN International Forum: Clinically Driven Commercialization: Moving Technologies to the Point of Need, University of California, Davis, Medical Center, Sacramento, CA, June 24.

NATIONAL AND INTERNATIONAL PRESENTATIONS (continued)

267. 2011 Lhote, M., M. Pirart, W.J. Ferguson, R.F. Louie, and G.J. Kost. Demonstrating the feasibility of modeling austere climate profiles for simulation of point-of-care testing in disasters. 2011 POCTRN International Forum: Clinically Driven Commercialization Moving Technologies to the Point of Need, University of California, Davis, Medical Center, Sacramento, CA, June 24, page 74.
268. 2011 Sumner, S.L., R.F. Louie, W.J. Ferguson, J.N. Yu, C.M. Curtis, K.T. Paw U, and G.J. Kost. Impact of dynamic environmental stress testing on glucose quality control solution for disaster preparedness. 2011 POCTRN International Forum: “Clinically Driven Commercialization: Moving Technologies to the Point of Need,” University of California, Davis, Medical Center, Sacramento, CA, June 24.
269. 2011 Tran, N.K., and G.J. Kost. Mapping point-of-care performance using locally-smoothed median and maximum absolute difference curves. 2011 POCTRN International Forum: Clinically Driven Commercialization: Moving Technologies to the Point of Need, University of California, Davis, Medical Center, Sacramento, CA, June 24.
270. 2011 Yu, J.N., G.J. Kost, and N.K. Tran. Theory, principles, and practice of optimizing point-of-care small-world networks for emergency and disaster care. 2011 POCTRN International Forum: Clinically Driven Commercialization: Moving Technologies to the Point of Need, University of California, Davis, Medical Center, Sacramento, CA, June 24.
271. 2011 Yu, J.N., T.K. Brock, D.M. Mecozzi, N.K. Tran, and G.J. Kost. Connecting point-of-care informatics in emergencies and disasters. 2011 POCTRN International Forum: Clinically Driven Commercialization: Moving Technologies to the Point of Need, University of California, Davis, Medical Center, Sacramento, CA, June 24, page 42.
272. 2011 Kost, G.J. Moderator and Symposium Director—U54 Center, NIBIB, NIH. 2011 POCTRN International Forum: Clinically Driven Commercialization: Moving Technologies to the Point of Need, University of California, Davis, Medical Center, Sacramento, CA, June 24.
273. 2011 Boonlert, W., N.L. Gentile, A. Dillier, G.V. Williams, J.W. Czajka, A.H. Reis, L. Rice, R. Carver-Brown, and G.J. Kost. Determining the limit of detection of a multiplex LATE-PCR assay for pathogen detection in critically ill patients. American Association for Clinical Chemistry, Annual Meeting 2011, Atlanta, Georgia, July 24-28. D-23, page A156.

NATIONAL AND INTERNATIONAL PRESENTATIONS (continued)

274. 2011 Ferguson, W.J., R.F. Louie, J.N. Yu, S.L. Sumner, and G.J. Kost. Dynamic temperature and humidity profiles for assessing the suitability of point-of-care testing during emergencies and disasters. American Association for Clinical Chemistry, Annual Meeting 2011, Atlanta, Georgia, July 24-28. D-20, page A155. [Best Abstract Award, Critical and Point of Care Division]
275. 2011 Kost, G.J., C. Curtis, and R.F. Louie. Improving the standard of care for disaster medicine— at the point of need. [Invited Speaker] 2011 Pacific Preparedness Conference: Challenges for Practice, Policy and Public Health, Honolulu, HI, September 16.
276. 2011 Kost, G.J. An overview of point-of-care testing: The “Hospital-Emergency-Primary-Disaster” Continuum and Your Role as POC Coordinator. Second training program of advanced point-of-care management. [Honored Guest Speaker] Certification of Point-of-Care Coordinators, Medical Technology Council of Thailand, Valley Garden Resort, Saraburi, Thursday-Friday, October 6-7.
277. 2011 Kost, G.J., and C. Delaney. Building partnerships: Empowerment of point of care, global curricula for POC coordinators, ISO 22870, and international accreditation for New Zealand. Workshop for the National Point-of-Care Testing Strategic Planning Conference and POC Coordinators Meeting, Taupo, New Zealand, Tuesday, November 1.
278. 2011 Kost, G.J. How point-of-care testing can improve crisis standards of care. [Invited International Keynote Speaker] National Point-of-Care Testing Strategic Planning Conference and POC Coordinators Meeting, Taupo, New Zealand, Wednesday, November 2.
279. 2012 Gentile, N.L., A.M. Dillier, G.V. Williams, and G.J. Kost. A comparison of the limits of detection for 16 organisms associated with septicemia on monoplex, 3-plex, and 9-plex linear-after-the-exponential polymerase chain reaction assays using whole blood. Emerging Technologies for 21st Century Clinical Diagnostics, 44th Oak Ridge Conference, American Association for Clinical Chemistry, San Jose, CA, April 19-20, Poster 14.

NATIONAL AND INTERNATIONAL PRESENTATIONS (continued)

280. 2012 Dillier, A.M., N.L. Gentile, G.V. Williams, J.W. Czajka, and G.J. Kost. Sensitivity of a linear-after-the-exponential polymerase chain reaction (LATE-PCR) assay for pathogen identification in sepsis using clinical isolates.
Emerging Technologies for 21st Century Clinical Diagnostics, 44th Oak Ridge Conference, American Association for Clinical Chemistry, San Jose, CA, April 19-20, Poster 15.
281. 2012 Vy, J.H, W.J. Ferguson, C.M. Curtis, R.F. Louie, C.S. Tang, M. Zhou, and G.J. Kost. Effects of dynamic cold temperature on epoc point-of-care test cards.
Emerging Technologies for 21st Century Clinical Diagnostics, 44th Oak Ridge Conference, American Association for Clinical Chemistry, San Jose, CA, April 19-20, Poster 37.
282. 2012 Horowitz, I.S., N.L. Gentile, and G.J. Kost. Determining the limit of detection (LOD) of a novel LATE-PCR assay for 16 pathogens associated with septicemia.
Proceedings of the Undergraduate Research, Scholarship, and Creative Activities Conference, Davis, CA, April 27-28. 23:80.
283. 2012 Mahmoudzadeh, S., N.L. Gentile, and G.J. Kost. Formation of standard curves using real-time LATE-PCR for semi-quantitation of bacterial load for ventilator associated pneumonia (VAP) infections.
Proceedings of the Undergraduate Research, Scholarship, and Creative Activities Conference, Davis, CA, April 27-28. 23:98.
284. 2012 Dillier, A., N.L. Gentile, W. Boonlert, G.V. Williams, A.H. Reis, and G.J. Kost. Determining the limit of detection of a multiplex LATE-PCR assay for pathogen detection in critically ill patients using genomic DNA.
Proceedings of the Undergraduate Research, Scholarship, and Creative Activities Conference, Davis, CA, April 27-28. 23: (may have withdrawn)
285. 2012 Kost, G.J. Challenges for a new point-of-care coordinator (Part I).
National Heart Institute of Malaysia, Institut Jantung Negara (IJN), Kuala Lumpur, July 10.
286. 2012 Kost, G.J. "Point-of-care testing (POCT) — Requirements for quality and competence." ISO 22870.
National Heart Institute of Malaysia, Institut Jantung Negara (IJN), Kuala Lumpur, July 10.

NATIONAL AND INTERNATIONAL PRESENTATIONS (continued)

287. 2012 Kost, G.J. Challenges for a new point-of-care coordinator (Part II). National Point of Care Policy and Guidelines Meeting. Institut Pengurusan Keisihatan Kementarian Kesihatan Malaysia, Kuala Lumpur, July 12.
288. 2012 Kost, G.J. Improving patient care across healthcare networks with point-of-care testing. [Invited Keynote Talk] National Point of Care Policy and Guidelines Meeting, Institut Pengurusan Keisihatan Kementarian Kesihatan Malaysia, Kuala Lumpur, July 12.
289. 2012 Ferguson, W.J., R.F. Louie, C.M. Curtis, J.H. Vy, C.S. Tang, and G.J. Kost. Effects of environmental stress on point-of-care cardiac biomarker test results during simulated emergency/disaster rescue. American Association for Clinical Chemistry Annual National Meeting, Los Angeles, CA, July 15-19, page D-36.
290. 2012 Tang, C.S., W.J. Ferguson, R.F. Louie, J.H. Vy, S.L. Sumner, and G.J. Kost. Effects of austere environmental conditions during disasters on quality control for point-of-care testing. American Association for Clinical Chemistry Annual National Meeting, Los Angeles, CA, July 15-19, page D-52.
291. 2012 Gentile, N.L., A. Dillier, G. Williams, J. Czajka, and G.J. Kost. Late-PCR assay cross-reactivity, inhibitory effects, and complexity versus performance of monoplex, 3-plex, and 9-plex configurations with and without whole-blood sample matrix. American Association for Clinical Chemistry Annual National Meeting, Los Angeles, CA, July 15-19, page E-113.
292. 2012 Ferguson, W.J., R.F. Louie, C.M. Curtis, J.H. Vy, C.S. Tang, and G.J. Kost. Effects of environmental stress on point-of-care cardiac biomarker test results during simulated emergency/disaster rescue. 9th Annual Faculty Research Retreat, UC Davis School of Medicine, Tahoe, CA, September 12.
293. 2012 Gentile, N.L., A.M. Horowitz, S. Mahmoudzadeh, G.V. Williams, J.W. Czajka, and G.J. Kost. LATE-PCR assay sensitivity, cross-reactivity, inhibitory effects, and complexity versus performance of monoplex, 3-plex, and 9-plex configurations with and without whole-blood sample matrix. 9th Annual Faculty Research Retreat, UC Davis School of Medicine, Tahoe, CA, September 12.

NATIONAL AND INTERNATIONAL PRESENTATIONS (continued)

294. 2012 Gentile, N.L., A.M. Dillier, G.V. Williams, J.W. Czajka, and G.J. Kost. PCR assay complexity versus performance: Detection limits of monoplex, 3-plex, and 9-plex LATE-PCR assay configurations with and without whole blood sample matrix.
9th Annual Faculty Research Retreat, UC Davis School of Medicine, Tahoe, CA, September 12.
295. 2012 Sakaguchi, A.M., W.F. Haning, L. Char, and G.J. Kost. Emergency preparedness roundtable.
University of Hawaii at Manoa Video Teleconference, Disaster Management and Emergency Medical Services Study Visit, Thai Ministry of Public Health and National Institute for Emergency Medicine (NIEM), Bangkok, Thailand. Held at the Telehealth Research Institute, Honolulu, HI, and by video link, at the Point-of-Care Center for Teaching and Research (POCT•CTR), University of California, September 27.
296. 2012 Kost, G.J., N.K. Tran, C.M. Curtis, N.L. Gentile, and R.F. Louie. Biomarkers potentially detecting sepsis rapidly in intensive care and emergency medicine. [Invited Speaker]
Sepsis and Stroke National Leadership Project Meeting, Chicago, IL, October 23.
297. 2012 Barnhard, S., G.J. Kost, N.K. Tran, C.M. Curtis, N.L. Gentile, and R.F. Louie. Biomarkers potentially detecting sepsis rapidly in intensive care and emergency medicine.
DiaSorin Liaison XL Strategic Planning and Topic Roundtable, Minneapolis, MN, October 24.
298. 2012 Kost, G.J. Point-of-Care Testing Task Force Meeting. General Conference, International Federation of Clinical Chemistry. [Inaugural Invited Member]
Kuala Lumpur, Malaysia, November 15-16.
299. 2012 Kost, G.J. The evolving role of point-of-care testing—An interactive debate. [Invited Panelist (USA)]
General Conference 2012, International Federation of Clinical Chemistry. Kuala Lumpur, Malaysia, November 19, Plenary Discussion (Session 8).
300. 2013 Kost, G.J. Advanced point-of-care testing: The First Global Curriculum. [Invited Professor, Speaker, and Consultant]
Ramathibodi Hospital, Mahidol University, Bangkok, Thailand, January 22.

NATIONAL AND INTERNATIONAL PRESENTATIONS (continued)

301. 2013 Kost, G.J., and C.M. Curtis. Disaster point-of-care testing: Fundamental concepts to enhance crisis standards of care. National Webinar, Whitehat Communications, Charlottesville VA, March 13 and May 9.
302. 2013 Kost, G.J. Advancing point-of-care testing: Global Curriculum for Latin American countries. International Forum, Sao Pablo, Brazil, April 11.
303. 2013 Kost, G.J. What have we learned thus far? Needs for point of care. [Keynote Speaker] National Point-of-Care Coordinator Meeting, National Health Institute, Sao Pablo, Brazil, April 12-13.
304. 2013 Kost, G.J. How to implement a point-of-care solution. National Point-of-Care Coordinator Meeting, National Health Institute, Sao Pablo, Brazil, April 12-13.
305. 2013 Kost, G.J., and M. Melo. Why is a POCT IT solution important? National Point-of-Care Coordinator Meeting, National Health Institute, Sao Pablo, Brazil, April 12-13.
306. 2013 Kost, G.J. Future role of the laboratory in emergency medicine. [Invited Keynote Speaker] The Laboratory's Role in Emergency Medicine (Natural Disasters), The Institute for Continuing Education of the 1199SEIU League Training and Upgrading Fund, 1199SEIU United Healthcare Workers East Professional and Technical Department, Gerald W. Lynch Theater at John Jay College, New York City, April 20.
307. 2013 Lam, M., A.-T. Truong, R.F. Louie, W.J. Ferguson, C.M. Curtis, J.H. Vy, M.J. Rust, and G.J. Kost. Feasibility of a novel thermomodulation container to protect point-of-care (POC) reagents and instruments in dynamic cold weather conditions. 24th Annual Undergraduate Research, Scholarship, and Creative Activities Conference, Davis, CA, April 26. 24: 29.
308. 2013 Truong, A.-T., M. Lam, R.F. Louie, W.J. Ferguson, C.M. Curtis, J.H. Vy, and G.J. Kost. Evaluating the effectiveness of two packaging designs to nullify the impact of high humidity on glucose test strip performance. 24th Annual Undergraduate Research, Scholarship, and Creative Activities Conference, Davis, CA, April 26. 24:9.

NATIONAL AND INTERNATIONAL PRESENTATIONS (continued)

309. 2013 Louie, R.F., W.J. Ferguson, C.M. Curtis, and G.J. Kost. Environmental stress effects on point-of-care glucose testing: Do Currently Available Blood Glucose Monitors Meet Regulatory Standards? National Meeting of the Diabetes Technology Society, Arlington, VA, May 21.
310. 2013 Kost, G.J., P. Katip, K. Vansith, and H. Negash. The final frontier—point of care culture! [Distinction: Poster Walk Discussion] Proceedings of EUROMEDLAB, Milano, Italy, May 21. 20th IFCC-EFLM European Congress of Clinical Chemistry and Laboratory Medicine and the 45th Congress of the Italian Society of Clinical Biochemistry and Clinical Molecular Biology (SIBioC). International Federation of Clinical Chemistry and Laboratory Medicine (IFCC) and the European Federation of Clinical Chemistry and Laboratory Medicine (EFLM). *Biochimica Clinica*;37 SS:S687.
311. 2013 Kost, G.J., and N.K. Tran. Biomarkers potentially detecting sepsis rapidly in intensive care and emergency medicine. [Distinction: Poster Walk Discussion] Proceedings of EUROMEDLAB, Milano, Italy, May 22. 20th IFCC-EFLM European Congress of Clinical Chemistry and Laboratory Medicine and the 45th Congress of the Italian Society of Clinical Biochemistry and Clinical Molecular Biology (SIBioC). International Federation of Clinical Chemistry and Laboratory Medicine (IFCC) and the European Federation of Clinical Chemistry and Laboratory Medicine (EFLM). *Biochimica Clinica*;37 SS:S298.
312. 2013 Kost, G.J. The essential roles of nursing and point-of-care coordinators in assuring the quality of bedside near-patient testing: Integration and leadership. [Invited Keynote Speaker and Hands-on Workshop Leader] Ramathibodi Hospital, Mahidol University, Bangkok, Thailand, June 17.
313. 2013 Kost, G.J. The use of small-world networks and technological advances in point of care for disaster preparedness, response, and resilience. [Invited Speaker] Symposium, Clinical Chemistry in Disaster Response and Resource Poor Environments. Proceedings of the American Association for Clinical Chemistry National Meeting, Houston, TX, July 29.

NATIONAL AND INTERNATIONAL PRESENTATIONS (continued)

314. 2013 Kost, G.J. Emergency response and medical point-of-care caches: Future global harmonization. [Invited Keynote Speaker—filling in for Commander Dan Hesselgesser, Public Health Service, Centers for Medicare and Medicaid and ASPR]
Point-of-Care Testing Forum, Proceedings of the American Association for Clinical Chemistry National Meeting, Houston, TX, August 1.
315. 2013 Kost, G.J. Emergency and disaster point-of-care testing: Cardiac biomarkers, complex chaos, and sustainable resiliency. [Invited Speaker]
Seventh Annual Conference, Enabling Point-of-Care Testing Diagnostics for Evidence-Based Medicine, Next Generation Diagnostics Summit, Cambridge Healthtech Institute (CHI), Washington, DC, August 20.
316. 2013 Kost, G.J. Emergency Medicine. [Invited Moderator]
Seventh Annual Conference, Enabling Point-of-Care Testing Diagnostics for Evidence-Based Medicine, Next Generation Diagnostics Summit, Cambridge Healthtech Institute (CHI), Washington, DC, August 20.
317. 2013 Truong, A.-T., R.F. Louie, J.H. Vy, C.M. Curtis, W.J. Ferguson, M. Lam, S.L. Sumner, and G.J. Kost. Effectiveness of two packaging designs in sustaining glucose test strip function against high humidity conditions.
10th Annual Pathology Research Retreat, UC Davis Health System, Arden Hills Resort, Sacramento, CA, September 5th, 2013.
318. 2014 Lam, M., R.F. Louie, C.M. Curtis, W.J. Ferguson, J.H. Vy, A.-T. Truong, S.L. Sumner, and Kost G.J. Short-term thermal shock affects point-of-care (POC) glucose devices-implications for health professionals and consumers.
10th Annual Pathology Research Retreat, UC Davis Health System, Arden Hills Resort, Sacramento, CA, September 5th, 2013.
319. 2013 Kost, G.J. Roles of point-of-care coordinators in assuring the quality of bedside and near-patient testing. [Invited Keynote Speaker]
National Healthcare Systems, N-Health Point-of-Care Testing Training Programme, Medical Association of Thailand, October 1.
320. 2013 Kost, G.J. Point of Care Culture Research Workshop.
Naresuan University, Phitsanulok, Thailand, October 16-21, 2013.

NATIONAL AND INTERNATIONAL PRESENTATIONS (continued)

321. 2013 Kost, G.J. Point-of-care culture and the future of world medicine for individuals globally, Part I: The use of small-world networks and technology advances for operator, patient, quality, and safety management. [Keynote Speaker]
Chiang Mai University Convocation, Faculty of Medical Technology, Chiang Mai, Thailand, October 22.
322. 2013 Kost, G.J. Point-of-care culture and the future of world medicine for individuals globally, II: The use of small-world networks and technology advances for operator, patient, quality, and safety management with crisis resiliency. [Keynote Speaker]
Dipak Jain's Hall, Sasin Graduate Institute of Business Administration of Chulalongkorn University, Bangkok, Thailand, October 31, 2013.
323. 2013 Kost, G.J. Why is a point-of-care connectivity solution important? Sasin Graduate Institute of Business Administration, Chulalongkorn University, Bangkok, Thailand, October 31, 2013. [Invited lecture with live connectivity point-of-care smartphone and other devices workshop]
324. 2013 Kost, G.J. Molecular diagnosis of sepsis. [Invited Early Bird Symposium Speaker]
Association for Molecular Pathology (AMP) 2013 Annual Meeting
Phoenix, AZ, November 14-16.
Online: http://2013amp.org/presentations_login.cfm
325. 2013 Kost, G.J. National strategy and the future of point-of-care testing in China. [Keynote Speaker]
US-China Point-of-Care Forum, Beijing, China, December 16-18.
326. 2013 Kost, G.J. Strategic planning for point-of-care testing in China. [Invited Keynote Speaker and Director of Hands-on Workshop]
Point-of-Care Testing Symposium, Wuhan, China, December 18-20, 2013.
327. 2014 Kost, G.J. Molecular diagnostics: bloodstream infections, cutting edge strategies, unmet needs, and point of care. [Invited Speaker]
AMMI-CACMID Annual Conference, Roche Diagnostics Canada Advisory Board Meeting, Victoria, Canada, April 2
328. 2014 Kost, G.J. Environmental stress effects on point-of-care testing. [Invited Speaker]
Fifth Meeting of the Blood Glucose Monitoring Performance Expert Panel, Roche Diagnostics (Moderator, Dr. David Klonoff, UCSF), San Francisco, June 4

NATIONAL AND INTERNATIONAL PRESENTATIONS (continued)

329. 2014 Kost, G.J. Role of point-of-care testing during an emergency or disaster situation. [Invited Speaker]
International Federation of Clinical Chemistry (IFCC) WorldLab, Special Symposium, Point-of-Care Testing Task Force, Istanbul, Turkey, June 22.
330. 2014 Kost, G.J. Using small-world networks (SWNs) to optimize point-of care testing for preparedness, response, and resilience: The transformation, $SWN(p) \Rightarrow SWN(t) \Rightarrow SWN(v)$, of the physical (p) to the time (t) and virtual (v) domains.
Proceedings of the 22nd International Congress of Clinical Chemistry and Laboratory Medicine (IFCC WorldLab 2014) and the 26th National Congress of the Turkish Biochemical Society (TBS 2014), Istanbul, Turkey, June 23-26.
Clinical and Laboratory Medicine, Vol. 52, Special Supplement Cod. 1381, S1528, June 2014.
<http://www.degruyter.com/view/j/cclm.2014.52.issue-s1/issue-files/cclm.2014.52.issue-s1.xml> [Accessed September 29, 2014.]
331. 2014 Kost, G.J. The Spatial Care Path™ (including Ebola): Optimizing POC Testing from Rescue to ER & Intensive Care for Improved Outcomes. [Keynote Speaker]
Inauguration and the First Academic Conference of the Specialty Committee of Emergency of the World Federation of Chinese Medical Societies, Longhua Hospital, Shanghai University, China, August.
332. 2014 Kost, G.J., R.F. Louie, W.J. Ferguson, and C.M. Curtis. Global point of care: Overview of strategies for disasters, emergencies, and public health resilience. [Invited Speaker]
International Symposium on Critical and POC Testing: Real World and Emerging Applications for Improved Outcomes; Critical and Point-of-Care Testing Division, American Association for Clinical Chemistry, Canadian Society and European Federation of Clinical Chemistry, and the IFCC; San Diego, CA (live video broadcast), September 19.
333. 2014 Kost, G.J. Invited Lead, Point-of-Care Testing Training Workshop. Roche Diagnostics, Manila, Philippines, October.
- 334-6. 2014 Kost, G.J. Global Point of Care: An Overview of Needs Assessment, Environmental Stresses, the POC Coordinator, and What's New; The Ebola Spatial Care Path™: Accelerating Diagnosis at the Point of Need; and National Point-of-Care Testing Policy and Guidelines. [Keynote Speaker]
Ministry of Public Health, Thailand (3 presentations), December 1.

NATIONAL AND INTERNATIONAL PRESENTATIONS (continued)

- 337-41. 2015 Kost, G.J. and POCT•CTR Researchers. Global Point of Care and Ebola Preparedness, Series of interactive USA National/International Webinars, Whitehat Communications (see <http://www.whitehatcom.com/>)— 10/30/14, 2/26/15, 7/2/15, 9/22/15, and 11/12/15
342. 2015 Hoe, J. and G.J. Kost. Implementation of Spatial Care PathsTM in Hualien County, Taiwan.
26th Annual Undergraduate Research, Scholarship, and Creative Activities Conference, Davis, CA, May 2. 26: 31 (oral presentation).
343. 2015 Kost, G.J. Molecular Detection of Ebola Virus Disease and Point-of-Care Tests for Diagnosis and Monitoring to Stop Outbreaks. [Invited Speaker] New Disease Areas and Global Health Topics, Point-of-Care Diagnostics Conference, San Diego, California, June 12.
344. 2015 Planning Member, POCT Task Force, International Federation of Clinical Chemistry and Laboratory Medicine (IFCC).
European Congress of Clinical Chemistry and Laboratory Medicine, EuroMedLab, Paris, France, July 21.
- 345-7. 2015 Kost, G.J. Disaster Management and Ebola Preparedness; Quality Issues for Point-of-Care Testing in a Resource-Limited Setting: Can IQCP Help?; and How POCT Improves Care and Educates Physicians: Exciting Contemporary Examples and Innovative Opportunities (including the Mars Colony). [Invited Keynote Speaker and Workshop Lead]
National Meeting, 12th Convention of the Philippine Council for Quality Assurance in Clinical Laboratories (PCQACL), Manila, Philippines, October 12-15. (3 presentations)
348. 2015 Kost, G.J. Point-of-Care Coordinator Training Workshop
POC Forum, Manila, Philippines, November 5.
349. 2015 Kost, G.J. Laboratory Preparation for Ebola: Accelerating Diagnosis at the Point of Need. [Invited Speaker]
International Symposium, POCT Task Force; International Federation of Clinical Chemistry and Mexico Affiliate, Cancun, Mexico, November 16-17.
350. 2016 Kost, G.J. Point-of-Care Testing, Small-world Networks, and the new Thailand POCT Guidelines with IQCP; Huayyos Community Hospital, Hui Yot, Trang, Thailand, February 2.

NATIONAL AND INTERNATIONAL PRESENTATIONS (continued)

351. 2016 Kost, G.J. Risk Mitigation and Innovative Quality Creation Programs: The New Individualized Quality Control Plan. [Invited Lecturer] Clinical Pathology, Siriraj Hospital, Mahidol University, Bangkok, Thailand, February 10.
352. 2016 Kost, G.J. How Point-of-care Testing Improves Care and Educates Physicians: Exciting Contemporary Examples and Innovative Opportunities. [Keynote Speaker] Bio-innovation Symposium, Taipei, Taiwan, April 7.
- 353-4. 2016 Kost, G.J. How Point-of-care Testing Can Add Value and Improve Outcomes, and National POCT Policy and Guidelines. [Invited Speaker] Point-of-care Forum (by invitation), Roche Diagnostics, Taipei, Taiwan, April 15. (2 presentations)
355. 2016 Kost, G.J. National POC Testing Policy and Guidelines Development. [Keynote Speaker] Taiwan Association of Medical Technologists, Taichung, Taiwan, April 17.
- 356-65. 2016 Kost, G.J. How POC Testing Adds Value and Improves Outcomes, including the Role of the POC Coordinator; POC Testing Strategies for Rapid Diagnosis of Acute Myocardial Infarction; and POC Training—an Educational Lecture Tour of Vietnam (Ho Chi Minh City, Hue, and Hanoi), May 3-9. (10 presentations)
366. 2016 Kost, G.J. The Vision for Multiplex POC Tests and POC Infectious Disease Molecular Diagnostics: An Interactive Design. [Invited Scientific Speaker] TriMark POCT Conference and Bay Area POC Coordinators, Fremont/Newark, October 6.
- 367-9. 2016 Kost, G.J. How Point-of-Care Testing and Add Value and Improve Outcomes, including the role of the POC Coordinator; POCT Strategies for Rapid Diagnosis of Acute Myocardial Infarction—A View to the Future. National POCT Policy and Guidelines: Needs, Status, Impact, & Resilience. [Invited Speaker] (3 presentations) 4th Annual Point of Care Testing Symposium, King Faisal Specialist Hospital and Research Center, November 6-7, Riyadh, Saudi Arabia.

NATIONAL AND INTERNATIONAL PRESENTATIONS (continued)

370. 2016 Kost, G.J. Environmental Stress: Impact on Performance, Quality, and ISO Certification. [Invited Speaker]
The Individualized Quality Control Plan: A Special Lecture-Workshop Session. King Faisal Specialist Hospital and Research Center, November 8, Riyadh, Saudi Arabia.
371. 2016 Kost, G.J. and S. Ehrmeyer. Case Analysis-Based Quality Plan: Pregnancy Testing in the Laboratory and Primary Care. [Invited Speaker]
The Individualized Quality Control Plan: A Special Lecture-Workshop Session. King Faisal Specialist Hospital and Research Center, November 8, Riyadh, Saudi Arabia.
372. 2017 Kost, G.J. Emerging Cancer Molecular Markers—Chairperson’s Remarks. Molecular Med: Tri-Con 2017, San Francisco, Wednesday, February 22.
373. 2017 Kost, G.J. Point-of-care Testing for Ebola and Other Highly Infectious Threats: Principles, Practice, and Strategies for Stopping Outbreaks. Molecular-Based Point-of-Care Tests, Molecular Med: Tri-Con 2017, San Francisco, Wednesday, February 22.
374. 2017 K. Nguyen, M. Sayenko, A. Zadran, and G.J. Kost. The environmental robustness of a point-of-care WBC-Differential instrument used to screen for highly infectious diseases.
28th Annual Undergraduate Research, Scholarship, and Creative Activities Conference, Davis, CA, April 28. 28: A120.
375. 2017 Kost, G.J. Global Point of Care—Unmet Needs, Crisis Response, and Future Challenges.
Munich Point-of-Care Testing Symposium, Technischen Universitat, Munich, Germany, March 13. T18: 23.
- 376-82. 2017 Kost, G.J. Presentations (7) invited by the Vietnamese Association of Clinical Biochemists (VACB), Hanoi; March 27-28. [Invited Keynote Speaker, slide sets in English and Vietnamese, part 1 of 2017 national educational tour.]
376. An overview of point-of-care testing: Process efficiency, creating value, and crisis preparedness
377. Regulatory oversight and accreditation—the Designing roadmaps for Vietnam
378. The roles and responsibilities of the POC Coordinator—Leadership that assures excellence in bedside and near-patient testing*
379. POC instrument selection and validation*
380. Policies and guidelines for POCT
381. Point-of-care goals for acute myocardial infarction and critical care

NATIONAL AND INTERNATIONAL PRESENTATIONS (continued)

382. Quality control and insights from the individualized quality control plan— minimize risk to improve quality!
*Lectures adapted from Dr. Kost’s special POC training course for limited-resource nations.
- 383-9. 2017 Kost, G.J. Presentations (7) invited by the Center for Standardization and Quality Control in the Medical Laboratory (CSQL), Ho Chi Minh City, March 30-31. [Invited Keynote Speaker, slide sets in English and Vietnamese, part 2 of 2017 national educational tour.]
383. An overview of point-of-care testing: Process efficiency, creating value, and crisis preparedness
384. Regulatory oversight and accreditation—Designing roadmaps for Vietnam
385. The roles and responsibilities of the POC Coordinator—Leadership that assures excellence in bedside and near-patient testing*
386. Point-of-care instrument selection and validation*
387. Policies and guidelines for POCT
388. Point-of-care goals for acute myocardial infarction and critical care
389. Quality control and insights from the individualized quality control plan— minimize risk to improve quality!
*Lectures adapted from Dr. Kost’s special POC training course for limited-resource nations.
- 390-95. 2017 Kost, G.J. Keynote Lectures and Training Sessions, POCT International Symposium, Hue University, Vietnam, July 4-5 [Slide sets in Vietnamese.]
390. An overview of point-of-care testing: Process efficiency, creating value, and crisis preparedness
391. Regulatory oversight and accreditation—Designing roadmaps for Vietnam
392. Point-of-care instrument selection and validation*
393. Policies and guidelines for POCT
394. Point-of-care goals for acute myocardial infarction and critical care
395. Quality control and insights from the individualized quality control plan— minimize risk to improve quality!
*Lecture adapted from Dr. Kost’s special POC training course for limited-resource nations.
396. 2017 Kost, G.J. A global view of unmet needs in point-of-care testing. Rapid Critical & Urgent Care Testing: The Big Picture of Diagnostics; Next Generation Summit, Cambridge Healtech, Washington DC, August 18. [Invited Keynote Speaker]

NATIONAL AND INTERNATIONAL PRESENTATIONS (continued)

397. 2017 Kost, G.K. How point-of-care testing can improve outcomes and add value, including the essential POC Coordinator. [Invited Speaker]
Point-of-care Testing Conference, Shanghai Hospital, China, August 24.
398. 2017 Kost, G.K. Minimize risk to optimize quality! Quality control excellence for point-of-care testing. [Invited Speaker]
In Vitro Diagnostics New Technology Scientific Forum, Intercontinental Conference Center, Hangzhou, China, August 25.
399. 2017 Planning Member, POCT Task Force, International Federation of Clinical Chemistry and Laboratory Medicine (IFCC) & POCT Satellite Symposium. WorldLab2017—International Congress of Clinical Chemistry and Laboratory Medicine, Meeting of the South African Association for Clinical Biochemistry, and Congress of the African Federation of Clinical Chemistry, Durban, South Africa, October 21.
400. 2017 Kost G.J. Global Point of Care: Environmental factors affecting point-of-care testing. [Invited Speaker]
WorldLab2017—International Congress of Clinical Chemistry and Laboratory Medicine, Meeting of the South African Association for Clinical Biochemistry, and Congress of the African Federation of Clinical Chemistry; Durban, South Africa, October 21.
401. 2017 Kost, G.J., A. Zadran, M. Sayneko, and K. Nguyen. The environmental robustness of a point-of-care WBC-Differential instrument used to screen for highly infectious diseases.
WorldLab2017—International Congress of Clinical Chemistry and Laboratory Medicine, Meeting of the South African Association for Clinical Biochemistry, and Congress of the African Federation of Clinical Chemistry; Durban, South Africa, T108, October 22-25.
402. 2017 Kost, G.J. National Point-of-care (POC) Testing Policy and Guidelines: A roadmap for African Nations.
WorldLab2017—International Congress of Clinical Chemistry and Laboratory Medicine, Meeting of the South African Association for Clinical Biochemistry, and Congress of the African Federation of Clinical Chemistry; Durban, South Africa, T109, Octobr 22-25.
403. 2017 Kost, G.J. FAST•POC and POCT•POD—Point of Careology solutions for a resilient society.
WorldLab2017—International Congress of Clinical Chemistry and Laboratory Medicine, Meeting of the South African Association for Clinical Biochemistry, and Congress of the African Federation of Clinical Chemistry; Durban, South Africa, T110, October 22-25.

NATIONAL AND INTERNATIONAL PRESENTATIONS (continued)

404. 2017 Zadrán, A. [Sponsor: Dr. Kost] Point-of-care testing in public health: The challenge for teaching centers and practicing professionals (tentative title). 4th Annual UC Davis One Health Symposium, International Center, November 4.
405. 2017 Kost, G.J. Developing national point-of-care testing guidelines. [Invited Speaker] Point-of-Care Summit, Shanghai, China, November 18.
406. 2017 Kost, G.J. Successful models of point-of-care testing in the hospital. [Invited Speaker] Point-of-Care Summit, Shanghai, China, November 18.
407. 2017 Kost, G.J. How can we involve the IQCP (individualized quality control plan) as part of hospital quakity management systems? [Invited Speaker] Promoting POCT and Improving Hospital Quality Control Meeting, Pan Pacific Hotel, Beijing, China, November 19,
408. 2017 Kost, G.J. Advances in point-of-care testing. [Invited Speaker] POCT Symposium, Singapore, November 22.
409. 2017 Zadrán, A. [Sponsor: Dr. Kost] Globally optimizing public health resilience through point-of-care testing for infectious diseases: Implementation for prevention and intervention in Central Vietnam. Scholarship of Teaching and Learning Conference (SOTL), University of California, Davis, December 1.
- 410.++ 2017-2023 To be added when this section is brought current.

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