



Date: June 30, 2015

Connect, Create, Educate

Executive Committee

Chair

Joann Lindenmayer,
DVM, MPH, Representing
American Veterinary
Medical Association

Vice-Chair

Patricia A. Conrad,
DVM, PhD, Representing
Association of American
Veterinary Medical Colleges

Immediate Past Chair

Albert J. Osbahr, III, MD
Representing American
Medical Association

Treasurer

Marianne Smith-Edge, MS, RD,
LD, FADA, Representing the
International Food Information
Council Foundation

Executive Director

Cheryl M. Stroud, DVM, PhD
cstroud@onehealthcommission.org

Headquarters

One Health Commission
P.O. Box 972
Apex, NC 27502

Phone:

919-800-8886

Email

ohc@onehealthcommission.org

Website

www.onehealthcommission.org

The President

The White House

1600 Pennsylvania Avenue NW
Washington, DC 20500, USA

Dear Mr President:

On behalf of the community of One Health advocates and stakeholders, the One Health Commission, a 501(c)3 non-profit organization, and the signatories below, writes to urge creation of One Health platforms in both the United States (U.S) and the United Nations (U.N).

As the seven U.S. senators (February 12, 2015 letter to you), the American Veterinary Medical Association (AVMA, letter of March 12, 2015) and the American Public Health Association (APHA, letter of May 21, 2015) have noted, the One Health Commission is acutely aware of the consequences of operating in separate health professional 'silos'. Within the past century many of those working within our human and animal health systems have evolved from generalist 'healers' to highly trained specialists within discrete areas of medical practice. While specialization has resulted in targeted research and applications that have significantly advanced our medical knowledge and health, that narrowing of focus means that we sometimes miss the larger picture. Without a keen awareness of the interconnectedness of human, animal, plant and environmental health, our current systems are ineffective and unsustainable, unable to prevent illness and protect our health even with specialized treatments for diseases and metabolic conditions. Human, animal, plant and environmental health professionals do not routinely have the opportunity to attend each other's continuing education events, read each other's journals or interact directly. It is small wonder that we find it so difficult to share information and expertise to collectively address One Health issues that fall at the interface of our professions.

Just what should the White House do? We respectfully submit the following suggestions for establishing One Health platforms in the U.S. and the U.N.

1. At the Federal level, create a standing, U.S. Inter-Agency One Health Committee that would regularly convene relevant Federal agencies to address One Health issues. This could evolve from the Federal Inter-Agency One Health Working Group, a long-standing informal group of individual One Health advocates who are based within several Federal Agencies. These Inter-Agency One Health Committee meetings could include participation from the general One Health stakeholder community, much as the National Academy of Medicine (formerly the Institute of Medicine) conducts workshops and consensus studies.
2. At the State level, create One Health standing committees to collectively convene, several times a year, human, animal, environmental, plant and population health (and other supporting disciplines) stakeholders to strengthen statewide trans-

professional relationships and collaborations. Some states have already begun this process on their own, led by their State public health officers; but without funding, legal mandates or incentives, they have found it difficult to attract many of the needed players to the discussion table.

3. The U.N. could create an International One Health Standing Committee that convenes at least once a year to discuss One Health approaches to critical global health concerns such as antimicrobial resistance and the health impacts of climate change. Solutions to the many ‘wicked’ problems of our times will require not only trans-professional collaborations but also trans-continental and trans-country partnerships. Lacking a formal international legislative One Health framework, a number of groups have begun these conversations on their own. During the last six years, three biennial International One Health Congresses have been held in Australia (2011), Thailand (2013) and Amsterdam (2015). In April, 2014, the iCOMOS (International Conference on One Medicine-One Science) was hosted by the University of Minnesota, College of Veterinary Medicine, Academic Health Center and Office of the Vice President for Research, in partnership with allied national and international agencies. Facilitating international collaborations for addressing the threat of emerging zoonotic diseases, food- and water-borne pathogens, and challenges in environmental health, iCOMOS encouraged engagement between health policymakers and scientific experts. At the 3rd International One Health Congress in Amsterdam (March, 2015), nearly 900 researchers from 50 countries critically discussed the interconnectedness of human, animal and environmental health. In addition to health professionals, individuals with expertise in political science, economics and other social sciences attended to discuss and frame One Health societal issues. Most recently, in May 2015, the World Veterinary Association (WVA) and the World Medical Association (WMA), in collaboration with the Spanish Medical and Veterinary Associations, held a global, joint One Health Conference in Madrid, Spain.

Collaborations do not just spontaneously happen; they start with relationships. And relationships do not just magically form, they start when we meet each other and begin interactive conversations. No one profession, no one region or country can know everything or have all the answers to today’s global health challenges. It will require awareness of each other’s strengths and great humility to admit that we all play small but integral parts in solving today’s global health problems. We must acknowledge our differences while respecting the perspectives and opinions that others bring to the table. We entreat you, for the greater global public and environmental health, to help us make these much needed conversations ‘across our silos’ happen. The One Health Commission, the One Health Initiative website team, and many groups of academic and individual One Health advocates in the US and around the world, stand ready to engage to further develop these platforms. A wealth of energy, talent and creative thinking has sprung from nearly 15 years of One Health discussions that seek to resurrect this very old concept.

Thank you, in advance, for your attention to our urgent call. One Health approaches truly are a ‘Ray of Hope’ for the future health of our planet and all its living creatures.

Respectfully,

The One Health Commission
And the greater community of One Health Advocates

Signatories: Groups/Organizations

American Association of Medical Colleges (AAMC) <https://www.aamc.org/>

- Ray Mitchel, MD

American Association of Public Health Physicians (AAPHP) <http://www.aaphp.org/>

- Ryung Suh MD, MPP, MBA, MPH, President 2014-2016
- Katrina Rhodes, MD, MS, President-Elect
- Virginia Dato MD, MPH, President 2012-2014
- Kevin Sherin MD, MPH, President 2008-2010
- Dave Cundiff MD, MPH, President 2000-2002

- Joel L. Nitzkin, MD, MPH, DPA, President 1996-1998
- Poornima Oruganti, AAPHP Medical Student Liaison
Mailman School of Public Health, Columbia University, MPH Candidate 2016
Northeast Ohio Medical University, MD Candidate 2017

**American Public Health Association (APHA)
Environment Section**

- Megan Latshaw, PhD, MHS, Chair-Elect
- Christopher L. Rea, PhD, MPH, Climate Change & Health Topic Committee Co-Chair
- Jeni Miller, PhD, Climate Change & Health Topic Committee Co-Chair
- Liz Perera, MEM, MPH, Climate Change & Health Topic Committee Co-Chair
- Kim Knowlton, DrPH, Climate Change & Health Topic Committee Past Chair

**American Public Health Association (APHA)
Veterinary Public Health Special Primary Interest Group**

- Thomas J. Doker, DVM, MPH, DACVPM, CPH, Chair
- Jeein Chung, DVM, MPH, Immediate Past-Chair
- James Dale, DVM, MPH, DACVPM, Past-Chair
- William G. Courtney, DVM, MPH, MA, DACVPM, CPH, Secretary, Treasurer
- Catherine Machalaba, MPH, Policy Chair
- Venita Ramirez, MPH, CPH, Communications Committee Chair
- Thomas Edward Gecewicz, CHO, MPA, CHWM, SSI, PHL, Member-at-Large
- Hayley D. Yaglom, MS, MPH, Outreach Committee Chair, Vector-borne/Zoonotic Disease Epidemiologist, Arizona Department of Health Services

American Veterinary Epidemiology Society (AVES)

- Dr. Charles Thoen, President
- Dr. Craig Carter, President-Elect, Executive Director

Association of American Veterinary Medical Colleges (AAVMC) www.aavmc.org

- Kevin Cain, Director of Governmental Affairs, 1101 Vermont Avenue NW, Suite 301, Washington, DC 20005-3536, Office: 202-371-9195 Ext. 117

BioKansas <http://www.biokansas.org/s/1559/start.aspx>

- Dennis Ridenour, MS, MBA, President & CEO

Boo Radley Foundation, <http://www.booradleyfoundation.org/>

- George K. (Ken) Johnson, Jr, President

Colorado State University <http://www.colostate.edu/>

- Point of Contact: Alan S. Rudolph, PhD, MBA, Vice President for Research, Colorado State University

Elizabeth R. Griffin Research Foundation, <http://www.egriffinresearch.org/about/news.php>

- Gavin Macgregor-Skinner, BVSc, MSc, MPH, MRCVS, Global Projects Manager

Georgetown University Medical Center (GUMC) <https://gumc.georgetown.edu/>

- Dan Lucey, MD, MPH

**International Association of Human Animal Interaction Organizations (IAHAIO) www.iahao.org
Board of Directors** (representing 76 member organizations of 125,000 people)

- Rebecca A. Johnson, PhD, RN, FAAN, FNAP, President
- Marie-Jose Enders-Slegers, PhD, MSc, Vice President for Conferences

- Brinda Jegatheesan, PhD, Vice President for Development
- Elizabeth Ormerod, BVMS, MRCVS, FRSA, Vice President for Membership
- Andrea Beetz, Dipl.-psych., Dr.phil., Secretary
- Diana M. McQuarrie, MSOL, Treasurer
- Dennis Turner, ScD, Delegate of the Board for European Issues
- Keiko Yamazaki, Board Member at Large

International Congress on Pathogens at the Human Animal Interface (ICOPHAI) <https://icophai.org>

- Wondwossen Gebreyes, DVM, PhD, Chair
- Thomas Shryock, PhD, Senior Research Advisor

International Medical Corps <https://internationalmedicalcorps.org/>

- International Medical Corp, as a leading member on the NGO Steering Committee for the Global Health Security Agenda, recognizes the importance of establishing One Health platforms at the highest level of governance. We are committed to helping protect the world from infectious disease threats through establishing a global affinity network for health security through communication platforms between non-governmental stakeholders and governments worldwide. We are therefore pleased to sign the attached letter to the White House in support of the One Health Commission.
- Ambassador William Garvelink (ret)

Kansas City Area Life Sciences Institute (KCALSI) www.kclifesciences.org

- Wayne O. Carter, DVM, PhD, DACVIM, President and CEO, Kansas City, MO 64108

North Carolina One Health Collaborative

- Ed Breitschwerdt, DVM, Professor, Internal Medicine and Head, Vector-Borne Diseases Lab North Carolina State University College of Veterinary Medicine, Adjunct Professor of Medicine, Duke University Medical Center, Chief Scientific Officer, Galaxy Diagnostics, <http://www.galaxydx.com/web/>
- Peter Cowen, DVM, MPVM, PhD, Population Medicine and Pathobiology Department, College of Veterinary Medicine, NCSU
- Larry T Glickman, VMD, DrPH, Professor University North Carolina School of Medicine and Purdue University School of Veterinary Medicine
- Greg Gray, MD, MPH, FIDSA, Professor, Duke University, Division of Infectious Diseases, Global Health Institute, & Nicholas School of the Environment, Duke One Health <http://sites.globalhealth.duke.edu/dukeonehealth>
- Suzanne Kennedy-Stoskopf, DVM, PhD, Research Professor Ecosystem Health, North Carolina State University, College of Veterinary Medicine
- Natalie P. Kwit, DVM, MPH
- Jay F. Levine DVM, MPH, Professor of Epidemiology and Public Health, North Carolina State University College of Veterinary Medicine
- Marian McCord, BS, MS, PhD, North Carolina State University, Textiles Engineering, Chemistry and Science
- William Pan, PhD, Duke University, Assistant Professor of Global Environmental Health,
- Jorge A. Piedrahita, MS, PHD, Professor and Director, Center for Comparative Medicine and Translational Research, North Carolina State University
- Mamie Sackey-Harris, BS, MS, MPH, Africa Programs Coordinator, UNC Institute for Global Health and Infectious Diseases
- Sid Thakur, PhD, North Carolina State University, Center for Comparative Medicine and Translational Research
- Bradford B. Walters, MD, PhD, FAANS, Vice President and Chief Medical Officer, Research Triangle Institute International, RTP, North Carolina
- Chris Woods, MD, MPH, Duke University School of Medicine, Infectious Diseases Section

The Ohio State University Global One Health Task-Force (and Local Supporters) <https://u.osu.edu/onehealth/>

- Gebreyes, DVM, PhD, DACVPM, Global Health Director, College of Veterinary Medicine,
- Kelechi Kalu, PhD, Professor, Associate Provost for Global Strategies and International AffairsFaculty
- Debbie Goff, PharmD, Infectious Diseases
- Shu-Hua Wang, MD, Pharm D, MPH&TM, Associate Professor of Medicine, Medical Director, Ben Franklin TB Control Program, Division of Infectious Diseases, Dept of Internal Medicine, Nicole Kraft, BS, MA, Professor of Communications
- Jason Stull, VMD, MPVM, PhD, DACVPM

The Ohio State University, Veterinary Public Health Program

- Wondwossen Gebreyes, DVM, PhD, DACVPM, Global Health Director, College of Veterinary Medicine
- Jason Stull, DVM, PhD, DACVPM, College of Veterinary Medicine



One Health Initiative Autonomous pro bono Team: <http://www.onehealthinitiative.com/>

- Laura H. Kahn, MD, MPH, MPP, Research Scholar, Program on Science and Global Security, Woodrow Wilson School of Public and International Affairs, Princeton University, New Jersey
- Bruce Kaplan, DVM, Manager/Editor, One Health Initiative website, Sarasota, Florida
- Thomas P. Monath, MD, Chief Scientific & Chief Operating Officer, BioProtection Systems / NewLink Genetics Corp., Devens, Massachusetts
- Jack Woodall, PhD, Visiting Prof/Director (retired), Nucleus for Investigation of Emerging Infectious Diseases, Institute of Medical Biochemistry, Center for Health Sciences, Federal University, Rio de Janeiro, Brazil
- Lisa A. Conti, DVM, MPH, Principal, Global One Health Solutions, Tallahassee, FL

One Health Organization, Gates Mills, Ohio <http://onehealth.org/>

- Anna M. van Heeckeren, MS, DVM, Founder, President & CEO

One Health Platform Foundation (International), www.onehealthplatform.com

Zevensterstraat1, 9270 Laarne, Belgium

- Ab Osterhaus, PhD, Chair, Professor of Wildlife Virology and Virus Discovery, Hannover, Germany
- John McKenzie, Vice Chair, Research Associate and Professor of Tropical Infectious Diseases, Curtin University, Australia

Penn State Animal Diagnostic Laboratory <http://vbs.psu.edu/department-directory/bmj3>

The Veterinary Diagnosticians at the Penn State Animal Diagnostic Laboratory support and Co-sign the letter to the US Congress to act and promote “One Health”.

- Bhushan Jayarao, MVSc, PhD, MPH, Resident Director
- Jason Brooks, VMD, PhD, DACVP
- Justin Brown, DVM, PhD
- Patty Dunn, DVM, MAM, DACPV
- Jenny Fisher, VMD, MS
- Arthur Hattel, DVM, DACVP
- Ernest Hovingh, DVM, PhD
- Subhashinie Kariyawasam, DVM, PhD, DACVM
- Huaguang Lu, DVM, MVPM
- Eva Pendleton, DVM, MS, DACPV
- David Wolfgang, VMD, MPH

Students for One Health, Midwestern University College of Veterinary Medicine

Co-Founders:

- Erika Olney, Class of 2018
- Jennifer Oberholtze, Class of 2018

Students for One Health, New England, Tufts University School of Veterinary Medicine

- Nicole Becich, BA, Class of 2018
- Sarina Selleck, Class of 2017

Students for One Health / Veterinary Public Health, North Carolina State University College of Veterinary Medicine

- Lauren Aldrich, BA, Class of 2017
- Lauren Elizabeth Brierly-Shorter, BS, MS, Class of 2017
- Stephanie Folkerts, BS, Class of 2018
VSPHC One Health Representative
- Laura Johnson, Class of 2017
- Kristen E. Malinak, Class of 2018
- Adeline R. Noger, BA (Anthropology), Class of 2017
- Beth Smith, Class of 2018

Students for One Health Club, Purdue University College of Veterinary Medicine

- Katrina M. Thornton, President, D.V.M. Candidate, Class of 2017
MPH Candidate, Class of 2017, University of Minnesota

Students for One Health, UC Davis School of Veterinary Medicine

- June Barrera, Class of 2018
- Audrey Buatois, Class of 2018
- Marguerite Kissel, Class of 2017
- Samantha Lawton, Class of 2017

Students Veterinary Public Health Club, The Ohio State University College of Veterinary Medicine

<http://vet.osu.edu/education/veterinary-public-health-club>

- Rebecca E. Ita, President, Class of 2018

Texas A&M University One Health Initiative <http://onehealth.tamu.edu/>

- Eleanor M. Green, DVM, DACVIM, DABVP, Carl B. King Dean of Veterinary Medicine
Texas A&M University, 4461 TAMU, College Station, TX 77843-4461

The Water Institute, University of North Carolina at Chapel Hill

Gillings School of Global Public Health <http://waterinstitute.web.unc.edu/>

- Dr. Jamie Bartram, Director, Don and Jennifer Holzworth Distinguished Professor,
- Dr. Rachel Noble, Joint Professor in the Institute of Marine Sciences and Department of Environmental Sciences and Engineering
- Dr. Mark Sobsey, Kenan Distinguished Professor, Department of Environmental Sciences and Engineering
- Dr. Jill Stewart, Associate Professor, Department of Environmental Sciences and Engineering

University of Illinois, Urbana-Champaign, College of Veterinary Medicine <http://vetmed.illinois.edu>

- Peter D. Constable BVSc (Hons), MS, PhD, DACVIM, DACVN (Honorary), Dean,

University of Illinois, Urbana-Champaign, College of Veterinary Medicine, One Health Center

- J. A. Herrmann, DVM, MPH, DACT, Clinical Associate Professor
Director, DVM/MPH program

University of Pennsylvania, School of Veterinary Medicine (PennVet) www.upenn.edu/ogc

- Joan C. Hendricks, BS, VMD, PhD, The Gilbert S. Kahn Dean, School of Veterinary Medicine
Diplomate, American College of Veterinary Internal Medicine
- Shelley C. Rankin, BSc (Hons), PhD, Associate Professor (CE) of Microbiology, Ryan Veterinary
Hospital

Vermont Veterinary Medical Association One Health Committee

- Millie Armstrong, Chair

Western University of Health Sciences, College of Veterinary Medicine One Health Team

- Tracey McNamara DVM Diplomate ACVP, FNAP, Professor of Parasitology
- Malika Kachani DVM PhD, FNAP, Professor of Parasitology & Global Health
- Suzana Tkalcic DVM PhD, Associate Professor, Veterinary Pathology
- Helen Engelke BVSc. MPVM, DipACVPM, Assistant Professor, Veterinary Public Health

World Association of Veterinary Diagnosticians <http://www.wavld.org/>

- Dr. Tilman Kuhn, President
- Dr. Craig Carter, Executive Director

Individual Co-Signers:

Trevor R. Ames DVM , MS, DACVIM

Professor and Dean, College of Veterinary
Medicine
University of Minnesota
455 Veterinary Medical Center, 1365 Gortner
Ave, St. Paul MN 55108
Office: 612-624-6244, Fax: 612--624-8753

Benjamin Anderson, MPH, CPH

Division of Infectious Disease, Department of
Medicine, Duke Global Health Institute (DGHI),
Duke University
<http://sites.globalhealth.duke.edu/dukeonehealth/>

Val Beasley DVM, PhD, Diplomate ABVT

Professor and Head, Department of Veterinary
and Biomedical Sciences, College of Agricultural
Sciences
The Pennsylvania State University, 115D
Henning Building, University Park, PA 16802

Michael Becich

Stanford University Bioengineering Major
Class of 2018

Sherilynn K Burkman, DVM, cVMA

President Elect, Idaho Veterinary Medical
Association
Alta Animal Hospital, Pocatello, Idaho 83204
www.AltaAnimalHospital.com
Idaho Falls Veterinary Emergency Clinic
Idaho Falls, Idaho 83404
www.IFVEC.com

Barbara A Dappert, MD (neurologist)
Zoie Diana, BS

Duke University, Nicholas School of the
Environment
Class of 2016 Masters Candidate,
Environmental Management, Coastal
Environmental Concentration

Laura Edison DVM, MPH

Lieutenant, United States Public Health Service,
Career Epidemiology Field Officer
Georgia Department of Public Health, Acute
Disease Epidemiology Section
Atlanta, GA 30303

Arturo Fernandez, BS

Class of 2017, College of Veterinary Medicine,
Auburn University, Alabama

Erin Frey, DVM

Elizabeth Gibbons, MD, Family Practice
Physician, UNC Physicians Network

Greg Gibbons MD, PhD (Biochemistry), Family
Practice Physician, UNC Physicians Network

Marie Gibbons, BS (Zoology),
Veterinary Technician and Pre-Veterinary
Student

E. Paul J. Gibbs, BVSc, PhD, FRCVS
Professor Emeritus, College of Veterinary
Medicine, University of Florida
Gainesville, Florida 32610, USA

D. A. Henderson, MD, MPH
Johns Hopkins University Distinguished Service
Professor and Dean Emeritus
Professor of Medicine and Public Health,
University of Pittsburgh
UPMC Center for Health Security, Baltimore,
Maryland 21202

Carolyn J Henry, DVM, MS, DACVIM
(Oncology)
Associate Dean for Research and Graduate
Studies; College of Veterinary Medicine
Associate Director of Research; Ellis Fischel
Cancer Center
One Health, One Medicine Facilitator, Office of
the Provost
Professor of Oncology, University of Missouri,
Columbia, MO 65211

Julie Horvath, Ph.D.
Director, Genomics & Microbiology Research
Laboratory
Nature Research Center, North Carolina Museum
of Natural Sciences
Research Associate Professor, Department of
Biology, North Carolina Central University,
Durham, NC

Sharon Jackson, M.A., M.P.H.
Washington D.C.

Jeffrey Kim
Master in Public Health - Veterinary Public
Health Candidate
College of Public Health - Student Ambassador
The Ohio State University

Walter E. Colon Lilley, DVM
Puerto Rico One Health Committee
Puerto Rico Delegate to the AVMA

Dan Lucey, MD, MPH
Senior Scholar, Georgetown University Law
Center O'Neill Institute

George Lueddeke, PhD
Consultant in Higher and Medical Education
Southampton, Hampshire, United Kingdom,
SO40 4XG

Lawrence C. Madoff, MD
Editor, ProMED-mail, ISID (Mod. LM)
Professor of Medicine, Division of Infectious
Diseases and Immunology
University of Massachusetts Medical School,
Boston, Massachusetts, USA

Roger K. Mahr, DVM
AVMA Past President
One Health Commission, Former CEO

Joel Meyer, PhD
Associate Professor, Nicholas School of the
Environment, Duke University

**Kathleen Demonique McGinnis, BVSc,
MRCVS**
BSN cum Laude (UPR); MSN (UMiami),
PMHCNS-BC; ARNP (Psy-MH)
Major, US Army, Reserve (Retired)

David S. Miller, DVM, PhD, DACZM

**Dr. Kelvin Momanyi, Licensed Veterinarian,
Kenya**
One Health Master's candidate, University of
Edinburgh
Zoonotic and Emerging Infectious Diseases
Group

Patricia N. Olson, DVM, PhD
Affiliate Faculty, Colorado State University

Mark G. Papich, DVM, MS
Professor of Clinical Pharmacology, College of
Veterinary Medicine, North Carolina State
University
1060 William Moore Drive
Raleigh, North Carolina, USA 27607

Michael A. Parker DVM, RN
Office of Health Affairs, Department of
Homeland Security

Suzanne Parsel, DVM, MBA

Project Director- One Health3 (cubed)
 Kansas State University, Olathe, 22201
 West Innovation Drive
 Olatha, KS 66061

Risa R. Pesapane, MS

School of Veterinary Medicine, University of
 California Davis

Kent E. Pinkerton, PhD

Professor and Director, Center for Health and the
 Environment
 Faculty Advisor for Students for One Health
 Club
 University of California, Davis, CA 95616

Ralph C. Richardson, DVM

Dean, College of Veterinary Medicine, Kansas
 State University
 Diplomat ACVIM (Oncology, Internal Medicine)

Thomas R. Shryock, Ph.D.

Antimicrobial Consultants, LLC

Ilya B. Slizovskiy, MPH, B.Sc. Hons.

Class of 2018, Colorado State University,
 College of Veterinary Medicine and Biomedical
 Sciences
 2018 Class Representative to the CSU One
 Health Club

Jacqueline L. Smith, PhD

Veterinary Epidemiologist, University of
 Kentucky Veterinary Diagnostic Lab
 1490 Bull Lea Rd
 Lexington, KY 40511

Brittany Szafran, BS

Class of 2017, DVM/PhD Student, Mississippi
 State University College of Veterinary Medicine
 President (2014-2015), Mississippi State
 University One Health/Public Health Club

Alice Villalobos, DVM, FNAP

Fellow-Emeritus, Chair, Veterinary Academy,
 National Academies of Practice
 President-Emeritus, Society for Veterinary
 Medical Ethics
 Past President, Am. Assoc. Human-Animal Bond
 Veterinarians
 Director, Pawspice & Animal Oncology
 Consultation Service, www.pawspice.com
 Founder, Peter Zippi Fund for Animals
www.peterzippifund.com
 Animal Health Foundation Board of Directors
 Consultant, Pacific Marine Mammal Center &
 Oregon Tiger Sanctuary
 International Association of Animal Hospice &
 Palliative Care
 International Veterinary Association of Pain
 Management
 Veterinary Cancer Society

David R. Wolfgang, VMD, MPH, DABVP

Dairy, <http://vbs.psu.edu/extension>
 Penn State University Department of Veterinary
 and Biomedical Sciences
 Wiley Lane, University Park, PA 16802

Katalina Zuniga-Brenes, DDS

One Health MSc Student, Ross University School
 of Veterinary Medicine
 St. Kitts, West Indies