

**Subcommittee on Veterinary Antimicrobial Susceptibility Testing - Disclosure of Interests Summary**

Personal, Professional, and Financial Interests

Relevant to the field(s) of work in which I would be involved with CLSI, I list below the organizations and activities with which I participate. For example, please list any controlling financial interest or benefit you may hold or have received including consulting fees or paid advisory boards, equity ownership/stock options or other information which your colleagues would need to know in order to fairly assess the basis of your position related to the CLSI activities from past 3 years.

Name Affiliation	Committee Position	Disclosed Financial Interests or Benefits
<b>Brian V. Lubbers, DVM, PhD, DACVCP</b>  Kansas State Veterinary Diagnostic Laboratory	Chairholder	Consulting and/or speaking fees received by: Bayer Animal Health Boehringer Ingelheim Merck Animal Health Merial Zoetis
<b>Dubraska V. Diaz-Campos, DVM, PhD</b> The Ohio State University	Vice- chairholder	None
<b>Stefan Schwarz, DVM</b> Freie Universität Berlin	Secretary/ Advisor	Research Grants from the German Research Foundation (DFG) Research Grants from the Federal Ministry of Education and Research (BMBF) Research Grants from the Federal Ministry of Food and Agriculture (BMEL) Financial support for joint research projects from industry partners (Zoetis, Bayer Animal Health) Speaker at meetings organized by bioMérieux, Asklepios, DVG e.V., BpT, BbT, ASM
<b>Claire R. Burbick, DVM, PhD, DACVM</b> Washington State University	Member	None
<b>Mark D. Fielder, PhD</b> Kingston University	Member	Travel costs to CLSI Subcommittee (SC) on VAST meetings paid by The Society for Applied Microbiology.
<b>Nicole M. Holliday, BA</b> Thermo Fisher Scientific	Member	None
<b>Cory Langston, DVM, PhD</b> Mississippi State University	Member	None
<b>Sara Lawhon, DVM, PhD, DACVM</b> Texas A & M University	Member	None
<b>Xian-Zhi Li, MD, PhD</b> Health Canada Veterinary Drugs Directorate	Member	None

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Marilyn N. Martinez, PhD FDA Center for Veterinary Medicine	Member	None
Ian Morrissey, MBA, PhD, FRSM IHMA Europe Sàrl, a wholly owned subsidiary of IHMA Inc.	Member	None apart from IHMA Europe salary
Shabbir A. Simjee, PhD Elanco Animal Health	Member	Hold Eli Lilly and Elanco stocks, employed by Elanco Animal Health
Virginia B. Sinnott, DVM Angell Animal Medical Center	Member	None
Michael T. Sweeney, MS Zoetis, Inc.	Member	Employee of Zoetis, Inc.; shareholder in Zoetis stock
Darren Trott, PhD The University of Adelaide	Member	Research funding in 2014 for Australia-wide antimicrobial resistance surveillance from Zoetis, Inc. Research funding in 2013 (3 years) for multidrug-resistant zoonotic pathogens residing in Australian animals from ARC Linkage (Zoetis, Luoda Pharma, NSW DPI, QDAFF, DAFWA). NHMRC Project grant funding for a new source of antibiotics in 2014. Contract research funding for report on antimicrobial use and antimicrobial resistance in animals in Australia in 2014 from DAFF.
Mike D. Apley, DVM, PhD, DACVCP Kansas State University	Advisor	Consulting relationship within the past 3 years with the following companies: <ul style="list-style-type: none"> <li>• Boehringer Ingelheim Animal Health</li> <li>• Bayer Animal Health</li> <li>• Merck Animal Health</li> <li>• Piedmont Pharmaceuticals</li> <li>• Elanco Animal Health</li> <li>• Exalt Therapeutics</li> <li>• Wendy's</li> <li>• National Cattlemen's Beef Association</li> <li>• JBS USA</li> </ul>

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<b>Donald J. Bade, BS</b> Microbial Research, Inc.	Advisor	Owner of a contract research organization that routinely conducts susceptibility testing on a contract basis for veterinary pharmaceutical companies
<b>Robert Bowden, BS</b> Beth Israel Deaconess Medical Center	Advisor	Consultant to Thermo Fisher Scientific
<b>Hari P. Dwivedi, BVSc (DVM), MVSc, PhD</b> bioMerieux	Advisor	Employee of bioMerieux
<b>Virginia R. Fajt, DVM, PhD, DACVCP</b> Texas A & M University	Advisor	None
<b>Joshua Hayes, PhD</b> FDA Center for Veterinary Medicine	Advisor	None
<b>Robert P. Hunter, MS, PhD</b> One Medicine Consulting	Advisor	Owner of shares of Elanco Animal Health, KindredBio, and Zomedica. Consultant to several animal health pharmaceutical companies that I am prohibited from disclosing due to confidentiality agreements.
<b>Lacie Johansen, BS</b> Zoetis, Inc.	Advisor	Employee of Zoetis, Inc.
<b>Ron A. Miller, PhD</b> FDA Center for Veterinary Medicine	Advisor	None
<b>Mark G. Papich, DVM, MS</b> North Carolina State University	Advisor	Consultantships - I have been a consultant for or have consulting agreements with the following companies: <ul style="list-style-type: none"> <li>• Zoetis</li> <li>• Animal Clinical Investigation, LLC</li> <li>• Bayer Corporation (Bayer Animal Health)</li> <li>• Merck (MSD Intervet)</li> <li>• Dechra</li> <li>• Elanco</li> </ul>

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		<ul style="list-style-type: none"> <li>• Kindred Biosciences Inc. (Kindred Bio), Burlingame, CA</li> <li>• Cocoon Biotech</li> <li>• GlaxoSmithKline (GSK)</li> <li>• Skyline Vet Pharma, Inc.</li> <li>• Phibro Animal Health Corp.</li> <li>• Pew Charitable Trusts</li> <li>• RxActuator Inc.</li> <li>• Schafer Veterinary Consultants</li> <li>• Verte Therapeutics (Deerfield)</li> <li>• Kerrier, LLC, Palm Beach Gardens FL</li> </ul> <p>Funding Sources - Work in my laboratory has been funded by the following companies or organizations:</p> <ul style="list-style-type: none"> <li>• Bayer Corporation</li> <li>• Zoetis</li> <li>• Grayson Jockey Club</li> <li>• Merck</li> <li>• RxActuator Inc.</li> <li>• National Institutes of Health (NIH)</li> </ul> <p>Speaking - The following companies have sponsored some of my speaking activities:</p> <ul style="list-style-type: none"> <li>• Zoetis</li> <li>• Bayer Corporation</li> </ul> <p>Royalties: I am an author or editor of the following books for which I receive a royalty:</p> <ul style="list-style-type: none"> <li>• Handbook of Veterinary Drugs, 4<sup>th</sup> edition, published by Elsevier</li> <li>• Veterinary Pharmacology and Therapeutics, 9<sup>th</sup> and 10<sup>th</sup> Edition, published by Wiley-Blackwell</li> </ul>
<p><b>Dee Shortridge, PhD</b> JMI Laboratories</p>	<p>Advisor</p>	<p>Employee of JMI Laboratories JMI Laboratories contracted to perform services in 2018-2019 for Accelerate Diagnostics, Inc., Achaogen, Inc., Acurx Pharmaceuticals, LLC, Albany College of Pharmacy and Health Sciences, Alifax S.r.l., Allegra Therapeutics, Allergan, American Proficiency Institute, Amicrobe Advanced Biomaterials,</p>

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		AmpliPhi Biosciences Corp., Amplyx Pharmaceuticals, Inc., Antabio SAS, Arietis Corp., Arixa Pharmaceuticals, Inc., Armata Pharmaceuticals, Inc., Artugen Therapeutics USA, Inc., Astellas Pharma Global Development, Athelas Therapeutics, Inc., Bako Diagnostics, Basilea Pharmaceutica Ltd., Bayer AG, Becton, Dickinson and Company, bioMerieux SA, BioVersys AG, Boston Pharmaceuticals, Bravos Biosciences, Bugworks Research Inc., CEM-102 Pharmaceuticals, Cepheid, Cidara Therapeutics, Inc., ContraFect Corporation, CorMedix Inc., Creighton University, DePuy Synthes, Destiny Pharma, Discuva Ltd., Dr. Falk Pharma GmbH, Eagle Analytical Services, Inc., Emery Pharma, Entasis Therapeutics, Eurofarma Laboratorios SA, Evobiotics, LLC, F. Hoffmann-La Roche Ltd., Fimbrion Therapeutics, Inc., , Forge Therapeutics, Inc., Fox Chase Chemical Diversity Center, Inc., Gateway Pharmaceutical LLC, GenePOC Inc., Geom Therapeutics, Inc., GlaxoSmithKline plc, Guardian Therapeutics, Inc., Harvard University, Helperby Therapeutics Ltd., Hennessy Research Associates, HiMedia Laboratories, ICON plc, Idorsia Pharmaceuticals Ltd., Iterum Therapeutics plc, Janssen Vaccines & Prevention B.V., KBP Biosciences Co. Ltd., LabConnect, LLC, Laboratory Specialists, Inc., Louisiana State University, MAIA Pharmaceuticals, Inc., Mayo Clinic, Meiji Seika Pharma Co., Ltd., Melinta Therapeutics, Inc., Merck & Co., Inc., Microchem Laboratory, Micromyx, MicuRx Pharmaceuticals, Inc., Mutabilis Co., Nabriva Therapeutics plc, NAEJA-RGM, National Institutes of Health, Northeastern University, Novartis AG, NovoBiotic Pharmaceuticals, LLC., NTS Ventures LLC, Omnix Medical Ltd., Oxoid Ltd., Paratek Pharmaceuticals, Inc., Pfizer, Inc., Polyphor Ltd., Pharmaceutical Product Development, LLC, Prokaryotics Inc., Qpex Biopharma, Inc., Ra Pharmaceuticals, Inc., Recida Therapeutics, Inc., Roche Molecular Systems, Inc., Roivant Sciences, Ltd., Safeguard Biosystems, Savara Inc., Scynexis, Inc., SeLux Diagnostics, Inc., Sfunga Therapeutics, Inc., Shionogi and Co., Ltd., SinSa Labs, Sonoran Biosciences, Inc., Spero Therapeutics, Summit Pharmaceuticals International Corp., Suzhou Sinovent Pharmaceuticals Co., Ltd., Synlogic Inc., T2 Biosystems, Inc., Taisho Pharmaceutical Co., Ltd., TenNor Therapeutics Ltd., Tetrphase Pharmaceuticals, The Medicines Company San Diego, LLC, Theravance Biopharma, Thermo Fisher Scientific, The US Food and Drug Administration, University of Colorado, University of California, San Francisco, University of Southern California-San Diego, University of North Texas Health Science Center, Vast Therapeutics, Inc., VenatoRx Pharmaceuticals, Inc., Viosera Therapeutics, Vyome Therapeutics Inc., Waksman Institute for Microbiology, Washington University in St. Louis, Wockhardt Bio AG, Yale University, Yukon Pharmaceuticals, Inc., Zai Lab (Hong Kong) Ltd., Zavante Therapeutics, Inc. There are no speakers' bureaus or stock options to declare.

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<b>Thomas R. Shryock, PhD</b> Antimicrobial Consultants, LLC	Advisor	Owner of shares of Eli Lilly & Co. stock. Managing Member of Antimicrobial Consultants, LLC, which has provided services to BI, Ceva, UN FAO, HealthForAnimals, Huvepharma, and Phibro.
<b>Maria M. Traczewski, BS, MT(ASCP)</b> The Clinical Microbiology Institute	Advisor	Financial Interests or Benefits: CMI has received research grants/contracts past and present from the following companies: AstraZeneca, Cubist, GlaxoSmithKline, Pfizer, Pfizer Animal Health, Merck, Astellas, Theravance, Novartis, Paratek, Merck Animal Health, Elanco, Cardeas, BioMerieux, Gilead, Intervet, Vertex, Cornerstone Therapeutics, Cerexa, Schering-Plough Vet. Division, MAP Pharmaceuticals, APP Pharmaceuticals, Novexel, Protez, Leo, Oscient, Achaogen, Trius, Replidyne, Bausch and Lomb, Blanca, Johnson & Johnson, Wyeth, Sanofi-Aventis, Dechra Pharmaceuticals, Symbiomix Therapeutics, Cepheid Inc., Beckman Coulter Healthcare Diagnostics, Advanced Food Technologies, Becton-Dickinson, Stanford University, Dermira Inc. Basilea Pharmaceutica and Contrafact Corp., Wockhardt Bio AG, Entasis Therapeutics, and SeLux Diagnostics.
<b>John D. Turnidge, MD</b> Australian Commission for Safety and Quality in Health Care	Advisor	None