

## Author Relationships With Industry and Other Entities (Comprehensive)—2019 ACC/AHA/ASE Key Data

### Elements and Definitions for Transthoracic Echocardiography

Committee Member	Employment	Consultant	Salary	Speakers Bureau	Ownership/ Partnership / Principal	Personal Research	Institutional, Organizational, or Other Financial Benefit	Expert Witness
Pamela S. Douglas <i>(Chair)</i>	Duke University Medical Center—Ursula Geller Professor of Research in Cardiovascular Diseases	<ul style="list-style-type: none"> <li>• CardioDX (spouse)</li> <li>• Elsevier (spouse)</li> <li>• Genome Magazine (spouse)*</li> <li>• Interleukin Genetics (spouse)</li> <li>• Omicia (spouse)*</li> <li>• Pappas Ventures (spouse)</li> <li>• UpToDate*</li> </ul>	None	None	<ul style="list-style-type: none"> <li>• CardioDX (spouse)</li> </ul>	<ul style="list-style-type: none"> <li>• 23andMe†</li> <li>• Abbott†</li> <li>• BMS†</li> <li>• City of Hope†</li> <li>• Defense Threat Reduction Agency†</li> <li>• Department of Defense / Defense Advanced Research Agency (spouse)†</li> <li>• Edwards Lifesciences†</li> <li>• GE Healthcare</li> <li>• Gilead†</li> <li>• Ibis Biosciences†</li> <li>• MSKCC†</li> <li>• NIH (self and spouse)†</li> <li>• Partners Healthcare†</li> <li>• Singulex†</li> <li>• US Air Force (spouse)†</li> </ul>	<ul style="list-style-type: none"> <li>• Alere†</li> <li>• David H. Murdock Research Institute (spouse)†</li> <li>• Host Response†</li> <li>• Omicia (spouse)†</li> <li>• Origin Commercial Advisors†</li> <li>• Patient Advocate Foundation†</li> </ul>	None
Blase A. Carabello	East Carolina School of Medicine—Professor of Medicine and	None	None	None	None	<ul style="list-style-type: none"> <li>• Edwards (DSMB)†</li> </ul>	None	None

	Chief, Division of Cardiology							
Roberto M. Lang	University of Chicago Medical Center— Professor of Medicine and Director, Noninvasive Cardiac Imaging Laboratory	<ul style="list-style-type: none"> <li>• Philips Imaging Systems*</li> </ul>	None	<ul style="list-style-type: none"> <li>• Philips Imaging Systems*</li> </ul>	None	None	<ul style="list-style-type: none"> <li>• Philips Medical Systems*</li> <li>• Tomtec*</li> <li>• General Electric (Optison)*</li> <li>• Lumason*</li> </ul>	None
Leo Lopez	Lucile Packard Children's Hospital Stanford— Medical Director of Echocardiography	None	None	None	None	None	None	None
Patricia A. Pellikka	Mayo Clinic College of Medicine— Professor of Medicine and Chair, Division of Cardiovascular Ultrasound	<ul style="list-style-type: none"> <li>• UpToDate*</li> </ul>	None	None	None	<ul style="list-style-type: none"> <li>• GE Healthcare†</li> <li>• Lantheus Medical Imaging†</li> <li>• NHLBI†</li> <li>• OxThera†</li> </ul>	<ul style="list-style-type: none"> <li>• American Society of Echocardiography†</li> <li>• Mayo Clinic Echocardiography Laboratory†</li> <li>• Mayo Clinic CPC Equipment Subcommittee†</li> </ul>	None
Michael H. Picard	Harvard Medical School— Professor of Medicine; Massachusetts General Hospital— Physician (cardiology)	None	<ul style="list-style-type: none"> <li>• American Society of Echocardiography*</li> </ul>	None	None	<ul style="list-style-type: none"> <li>• Actelion*</li> <li>• NHLBI*</li> </ul>	None	None

James D. Thomas	Northwestern Memorial Hospital— Director, Center for Heart Valve Disease, Bluhm Cardiovascular Institute	<ul style="list-style-type: none"> <li>• Abbott*</li> <li>• Bay Labs*</li> <li>• Edwards*</li> <li>• General Electric*</li> </ul>	<ul style="list-style-type: none"> <li>• Bay Labs*</li> </ul>	None	None	None	None	<ul style="list-style-type: none"> <li>• Defendant, inappropriate referral for surgery, 2015*</li> </ul>
Paul Varghese	Verily Life Sciences— Head, Health Informatics	None	<ul style="list-style-type: none"> <li>• Verily Life Sciences*</li> </ul>	None	<ul style="list-style-type: none"> <li>• ChartWise Medical*</li> </ul>	None	None	None
Tracy Y. Wang	Duke University Medical Center— Associate Professor of Medicine	<ul style="list-style-type: none"> <li>• AstraZeneca*</li> <li>• Eli Lilly</li> <li>• Gilead</li> <li>• Grifols</li> <li>• Merck</li> <li>• Premier, Inc</li> </ul>	None	None	None	<ul style="list-style-type: none"> <li>• Amgen*</li> <li>• AstraZeneca*</li> <li>• Boston Scientific*</li> <li>• Bristol-Myers Squibb</li> <li>• CryoLife</li> <li>• Eli Lilly/Daiichi Sankyo*</li> <li>• Gilead*</li> <li>• Novartis</li> <li>• Pfizer</li> <li>• Regeneron*</li> </ul>	None	None
Neil J. Weissman	MedStar Health—Chief Scientific Officer; MedStar Health Research Institute— President; Georgetown University School of Medicine— Professor	None	None	None	None	None	<ul style="list-style-type: none"> <li>• Abbott Vascular*</li> <li>• Boston Scientific*</li> <li>• Edwards Lifescience*</li> <li>• Medtronic*</li> <li>• Sorin*</li> <li>• St. Jude*</li> </ul>	None

Rebecca Wilgus	Duke Clinical Research Institute— Project Leader, Clinical Research Informatics	None	None	None	None	None	None	None
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This table represents the relationships of committee members with industry and other entities that were determined to be relevant to this document. These relationships were reviewed and updated in conjunction with all meetings and/or conference calls of the writing committee during the document development process. The table does not necessarily reflect relationships with industry at the time of publication. A person is deemed to have a significant interest in a business if the interest represents ownership of  $\geq 5\%$  of the voting stock or share of the business entity, or ownership of  $\geq \$5,000$  of the fair market value of the business entity; or if funds received by the person from the business entity exceed 5% of the person's gross income for the previous year. Relationships that exist with no financial benefit are also included for the purpose of transparency. Relationships in this table are modest unless otherwise noted.

According to the ACC/AHA, a person has a *relevant* relationship IF: a) the *relationship or interest* relates to the same or similar subject matter, intellectual property or asset, topic, or issue addressed in the *document*; or b) the *company/entity* (with whom the relationship exists) makes a drug, drug class, or device addressed in the *document*, or makes a competing drug or device addressed in the *document*; or c) the *person or a member of the person's household*, has a reasonable potential for financial, professional or other personal gain or loss as a result of the issues/content addressed in the *document*.

\*Significant relationship.

†No financial benefit.

ACC indicates American College of Cardiology; AHA, American Heart Association; ASE, American Society of Echocardiography; DSMB, Data and Safety Monitoring Board; NIH, National Institutes of Health; and NHLBI, National Heart, Lung, and Blood Institute.