

CME/CE INFORMATION

AMIA 2017 ANNUAL SYMPOSIUM

November 4, 2017 - November 8, 2017

Washington, DC

Washington Hilton Hotel

TARGET AUDIENCE

The target audience for this knowledge-based live activity includes physicians, dentists, pharmacists, nurses, and other clinicians; health information technology professionals; computer scientists and systems developers; policy-makers; public health professionals; biomedical engineers and bioinformaticians; consultants and vendor representatives; medical librarians; academic researchers and scientists; and other professionals involved in the collection and dissemination of health information.

LEARNING OBJECTIVES

After participating in this live activity, the learner should be better able to:

- Analyze the latest research and best practices in biomedical and health informatics and its translation to improved individual and population outcomes
- Identify opportunities and challenges posed for the health information sciences by current national/international policies
- Exchange ideas with participants on novel methods for capturing and assessing clinical data;exchange research results to improve patient and population care;and consider opportunities for collaboration in biomedical and health informatics
- Gain insights on how to contribute to leading medical informatics change in one's professional setting

ACCREDITATION STATEMENT

The American Medical Informatics Association is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

CREDIT DESIGNATION STATEMENT

The American Medical Informatics Association designates this live activity for a maximum of 25.5 *AMA PRA Category 1 Credit(s)*[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

ABPM MAINTENANCE OF CERTIFICATION (MOC) CREDIT

The American Board of Preventive Medicine has reviewed and approved this course for a maximum of 25.5 MOC LLSA credits. Approved sessions are at <https://www.amia.org/amia2017/moc-ii-sessions>

The course ID number is 1484.

ABPM-approved MOC LLSA involves asking learners four multiple choice questions with a single best answer for every 60 minutes of instruction. Learners receive meaningful feedback in the form of an explanation of why the right answer is correct. These MCQs are provided through a booklet posted on the AMIA 2017 website. Find the document link below the Itinerary Planner at <https://www.amia.org/amia2017>

A diplomate claiming CME credit through his amia.org account will need to claim credit type “MOC-II” first, then go on to claim regular physician CE credit. The CME certificate will note the total amount of credit, and will include a line that says how many of the total are MOC-II credits.

AMIA is approved by The American Board of Pathology as a provider of Self Assessment Modules. The ACGME competencies addressed by this activity are: Patient Care, Practice-based Learning and Improvement, Interpersonal & Communications Skills, Professionalism, and Systems-based Practice. For a full explanation of the ACGME competencies in the context of clinical informatics, see Safran C et al. Program requirements for fellowship education in the subspecialty of clinical informatics. J Am Med Inform Assoc. 2009 Mar-Apr;16(2):158-66.

AMIA will track attendee MOC-II credits claimed through our system and report them to the ABPM by the end of 2017. Clinical informatics diplomates must claim their MOC-II credit through AMIA in order to correctly track accrual of their MOC-II credits.

Clinical informaticians board-certified through the American Board of Pathology must follow the additional instructions provided in the beginning of the MCQ booklet.

Deadline for claiming MOC-II credit is **December 15, 2017**.

CONTINUING EDUCATION FOR NURSES

ANCC ACCREDITATION STATEMENT

The Maryland Nurses Association is an accredited approver of continuing nursing education by the American Nurses Credentialing Center's Commission on Accreditation.

Nurse planner for this activity:

Rebecca Wilgus, RN, MSN, Informatics Project Leader, Duke Clinical Research Institute, Durham, NC.

Activity Approval Code: **A17-41-1104-923**

Approved Contact Hours: 264 total / 25.5 participant maximum

SUCCESSFUL COMPLETION FOR NURSES

Successful completion of this educational activity for Continuing Nursing Education (CNE) is demonstrated by attendance at designated CNE session(s), completion of the evaluation survey, and verification of attendance through the participant's electronic report of CNE sessions attended. Within 4 weeks after submitting required documents, the participant will receive a certificate of CNE via email from AMIA.

Deadline for nursing CE credit request is **December 15, 2017**.

CRITERIA FOR SUCCESSFUL COMPLETION FOR ALL LEARNERS

Completion of this live activity is demonstrated by attendance at certified sessions, completion of the evaluation survey sent in a separate email at the activity's conclusion, and verification of attendance through the participant's electronic report of sessions attended through the individual login at www.amia.org. The physician participant will be able to generate a CME certificate through the AMIA automated system. Other learners will receive their CE certificates via email following the process outlined in this section. For a certificate of participation, contact Pesha@amia.org.

ADA STATEMENT

Special Needs: In accordance with the Americans with Disabilities Act, AMIA seeks to make this conference accessible to all. If you have a disability which requires special accommodation, please email: dasha@amia.org.

DISCLOSURE POLICY

As a provider accredited by the ACCME, AMIA requires that everyone who is in a position to control the content of an educational activity disclose all relevant financial relationships with any commercial interest for 12 months prior to the educational activity.

The ACCME considers relationships of the person involved in the CE activity to include financial relationships of a spouse or partner.

Faculty and planners who refuse to disclose relevant financial relationships will be disqualified from participating in the CE activity. For an individual with no relevant financial relationship(s), the participants must be informed that no conflicts of interest or financial relationship(s) exist.

AMIA uses a number of methods to resolve potential conflicts of interest, including: limiting content of the presentation to that which has been reviewed by one or more peer reviewers; ensuring that all scientific research referred to conforms to generally accepted standards of experimental design, data collection, and analysis; undertaking review of the educational activity by a content reviewer to evaluate for potential bias, balance in presentation, evidence-based content or other indicators of integrity, and absence of bias; monitoring the educational activity to evaluate for commercial bias in the presentation; and/or reviewing participant feedback to evaluate for commercial bias in the activity.

DISCLOSURE FOR THIS ACTIVITY

Faculty, planners, and staff who are in a position to control the content of this activity have provided disclosure.

Disclosure is available below.

Presenters will provide disclosure verbally before their presentations.

COMMERCIAL SUPPORT

There is no commercial support for this activity.

TO CLAIM CME or CNE:

CME site (MyAMIA) works best with IE 8 or above version, Chrome, Safari, and Firefox.

- [Log in to your profile at www.amia.org](http://www.amia.org)
- You will be in “AMIA Central”
- Under Membership/Activities, click “My Events”
- Click “Apply for Credits” for this meeting
- [Nurses:](#)
 - **Select Credit Type:** “Nurse”
 - Click sessions you attended
 - Click Submit at bottom of screen
 - In approximately 4 weeks you will receive your CE certificate via email - this depends on submission of your credits earned by December 15, 2017
- [Physicians only:](#)

- **Select Credit Type:** click “Physician” (Do NOT click “CME”)
 - If you are a clinical informatics diplomate, in column for **Select Physician Credit Type:** click “MOC-II”
 - Click the radio buttons for the MOC-II sessions you attended
 - At bottom of page, click “**Save and Additional Credit Type**”
- In column for **Select Physician Credit Type:** click “Physician”
 - Click the radio buttons for the other sessions you attended
- Click Submit
- Download your certificate (Membership/Activities, “My CME/CE Credits”)

Once you have applied for CE as instructed above, physician participants can print out their certificates. Nurses will experience a delay in receiving their certificates by email. If you experience a delay of more than one month from submitting your information, contact pesha@amia.org.

- Other attendees: if you require a certificate of participation, please contact pesha@amia.org

FINANCIAL DISCLOSURES OF INDIVIDUALS INVOLVED WITH CONTENT DEVELOPMENT

The following Scientific Program Committee members of the AMIA 2017 Annual Symposium disclose that neither they nor their life partners have relevant financial relationships with ACCME-defined commercial interests:

Jos Aarts; Elske Ammenwerth; Jessica Ancker; Nick Anderson; James Andrews; Mary Regina Boland; Elizabeth Chen; Licong Cui; George Demiris; Brian Dixon; Julie Doberne; Patricia Dykes; Peter Embi; Robert Freimuth; Paul Fu; Kate Fultz Hollis; Kin Wah Fung; Davera Gabriel; Jennifer Garvin; Denise Goldsmith; Zhe He; James Hoffman; Pei-Yun Hsueh; Kun Huang; Christine Hudak; Robert Jenders; Steven Labkoff; Farah Magrabi; Prudhvi Maguluru; Lena Mamykina; Jenna Marquard; Fernando Martin-Sanchez; James McClay; Laurie Novak; Mustafa Ozkaynak; Eric Pan; Jyotishman Pathak; Yuri Quintana; Sripriya Rajamani; Madhu Reddy; Hojjat Salmasian; Indra Sarkar; Rebecca Schnall; Anthony Solomonides; Jessica Tenenbaum; Rupa Valdez; Fei Wang; Nicole Weiskopf; Asli Weitkamp; Wei-Hung Weng; Laura Wiley; Guo-Qiang Zhang; Li Zhou; Pierre Zweigenbaum;

The following Scientific Program Committee members of the AMIA 2017 Annual Symposium disclose the following relevant financial relationships with ACCME- defined commercial interests:

Name	Relationship: Commercial Interest
------	-----------------------------------

Vitaly Herasevich	Stock Shareholder (directly purchased): Ambient Clinical Analytics; Consultant: Philips
Andrew Kanter	Stock Shareholder (directly purchased): IMO; Other Financial or Material Support: IMO
Cecil Lynch	Consultant: Accenture; Stock Shareholder (directly purchased): Accenture
Genevieve Melton-Meaux	Grants/Research Support: NIH, PCORI, AHRQ; Other Financial or Material Support: Spouse employee at St. Jude (Abbott)
Stephane Meystre	Stock Shareholder (directly purchased): Clinacuity, Inc.; Grants/Research Support: NCI; Grants/Research Support: NIGMS
Philip Payne	Consultant: Signet LLC; Consultant: Signet Accel LLC; Stock Shareholder (directly purchased): Signet Accel LLC; Stock Shareholder (directly purchased): Aver Inc.

The following presenters of the AMIA 2017 Annual Symposium disclose that neither they nor their life partners have relevant financial relationships with ACCME-defined commercial interests:

Hafsah Aamer; Sumiko Abe; Goncalo Abecasis; Mourad Abed; Nabil Adam; Val Adams; Alejandra Aguirre; Faraz Ahmad; Miao Ai; Heather Aiono; Christopher Alban; Sarah Albee; David Albert; Nasir Ali; Nida Ali; Bradley Allen; Anne Altemus; Roger Altizer; Darren Ames; Jenerius Aminawung; Gary Anderson; Sivaram Arabandi; Brianda Armenta Navarrete; Noam Arzt; Muazzam Asani; archana ayyaswami; Lawrence Babb; Mohammad Taha Bahadori; Seo Baik; Catherine Bailey; Ulysses Balis; Sergio Barbieri; Shari Barkin; Chris Barnett; Yan Barnett; Yolanda Barron; Mujeeb Basit; Ellen Bass; Kevin Bassler; Lisa Bastarache; Dhundy Bastola; Nerissa Bauer; Mike Bayuk; William Becker; Steven Bedrick; Murielle Beene; Sigall Bell; Gowtham Bellala; Steven Bernstein; Gerald Berry; Alyssa Bertram; Zachary Berwaldt; Suma Bhat; Rishabh Bhatia; Avnish Bhattra; Timothy Bickmore; Aaron Bieringer; Richard Bloomfield; Barry Blumenfeld; Jennifer Boehne; Alina Bogdanov; Angela Bos; Jacques Bouaud; Jack Bowie; Peer-Timo bremer; Donald Brown; Jeffrey Brown; Alex Bryant; Iain Buchan; Andrew Buchert; David Buckeridge; David Buckeridge; Nicole Burnett; Gully Burns; Shirley Burton; Gabriella Butler; Mark Callesen; Lawrence Carin; Paul Carlson; Chris Carr; Aaron Carroll; Alexis Carter; Melissa Castine; Lesley Chan; Wayne Chan; Pramod Bharadwaj Chandrashekhar; Hsien-Yen Chang; Samir Chatterjee; Girish Chavan; Annie Chen; Li Chen; Robert Chen; Tianlong Chen; Xiaoling Chen; Erika Cheng; Keith Cheng; Adam Cheriff; Darwyn Chern; Kei Cheung; Ying-Kuen Cheung; Valiammai Chidambaram ; Christine Chollak; Carrie Christensen; Yotam Chudin; Geoffrey Chupp; Susanne Churchill; Christopher Chute; Elizabeth Ciemins; Susan Clare; Trevor Cohen; Curtis Cole; Nigel Collier; Beverly Collins; Karen Comer; Tyson Condie; Ruzica Conic; Douglas Conway; Kevin Cooper; Daniel Costello; Kaitlin Costello; David Crosslin; Kristina Crothers; Mario Ruiz Cubillo; Lesley Curtis; Subhro Das; Paris Davis; Jeroen de Bruin; Bas de Veer; Dilhari DeAlmeida; Dave deBronkart; Guilherme Del Fiol; Chris Delcher; Amanda Dempsey; Michelle Denburg; Laurel Despins; Terry Desser; Keith Diaz; Mary Dietrich; Ivo Dinov; Brian Dixon; Stephen Downs; Elizabeth Drucker; Xin Du; Rajendra Dulal; Shannon M. Dunlay; Scott DuVall; Maria Edelen; Attila Levente Egyedi; Jacob Ekstrum; Noemi Elhadad; Lahcen Elhiki; Suzie El-Saden; Johanna Elum Madera; Ehsan Emadzadeh; Peter Embi; Kevin Embree; Sylvia English; Sasa Espino; Julio Facelli; Maureen Fagan; Mi Fan; Christopher Fanta; Sarah Farkas; Faisal Farooq; Mimi Ferraro; Stephan Fihn; Jacob Fijas; Christopher Fillmore; Sean Finan; Allison Foley; Eric Ford; Chris Forrest; Philippe Fortemps; Patricia Franklin; Dustin French; Dana Fridman; Yangjing Gan; Deepak Ganesan; Jing Gao; Michael Gao; Amy Garcia; James Gaupp; macda Gerard; Arkadiusz Gertych; Olivier Gevaert; Fardad Gharghabi; Joydeep Ghosh; Francisco Gimenez; George Gkotsis; Charon Gladfelter; Bruce Gluckman; Dena Goffman; Matt Goldberg; Roger Eric Goldman; Graciela Gonzalez; Arturo Gonzalez-Izquierdo; Jonathan Gordon; Paul Gorman; Adela Grando; Marion Granich; Shaun Grannis; John Graybeal; Sarah Greene; Ryan Greyson; Danielle

Groat; Jessica Gronsbell; Matthew Gueble; Gilles Guézennec; Yi Guo; Yixuan Guo; Karan Gupta; Lovisa Gustafsson; Maria Hägglund; Patti Hamilton; Flora Hammond; William Hammond; Sanda Harabagiu; Melanie Harris; Paul Harris; Mark Hasegawa-Johnson; Dawn Haut; Jessica Hawkins; Paul Heidenreich; Harry Hemingway; Laura Henderson Kelley; Tad Hirsch; Rotem Hod; Matt Hoffman; Timothy Hogan; Patricia Holahan; Rachel Holden; Christopher Hollweg; Annika Holmberg ; David Holmes; Matthew Hong; Rui Hong; Sarah Hoover; Caroline Horrow; Mekhala Hoskote; Syed Hossain; George Hripcsak; Gang Hu; Lun Hu; Yong Hu; Erich Huang; Thomas Huang; Jina Huh; Amna Husain; Imade Ihianle; Nili Itzik; Catherine Ivory; Scott Jackson; Julie Jaddoo; Rupali Jain; Gail Jarvik; Min Jiang; Todd Johnson; Emma Jones; Matthew Joss; Shari Just; Joseph Kabariti; Peter Kaboli; Aaron Kamauu; Jeana Kamdar; Swaminathan Kandaswamy; Hyojung Kang; Joseph Kannry; Murat Kantarcioglu; Suranga Kasthurirathne; David Kauchak; Jacob Kean; Gail Keenan; Christopher Keener; Melanie Keep; John Kellum; Abdallah Kfoury; Seema Khan; Purvesh Khatri; Abel Kho; Ramin Khorasani; Farah Kidwai-Khan; Maxim Kikoler; Aaron Kithcart; Kristen Kitsch; Lyndsey Knauf; Benjamin Knoll; Isaac Kohane; Bon Mi Koo; Richelle Koopman; Ross Koppel; Ken Korgenski; Terese Kornet; Sunil Kripalani; Marie Krousel-Wood; Santosh Kumar; Allison Kurahashi; Mary Lam; William Lancaster; Lisa Lang; Holly Lanham; Elyse Lasser; Danielle Lavallee; Maxime Lavigne; Hoa Le; Doris Lee; Russell Leftwich; Lily Lei; Xiaoyu Lei; Leslie Lenert; Julia Lensing; John Leonard; Kristina Lerman; Hong Li; Xiaoyu Li; Xuejun Li; Zhibin Li; Katherine Liao; Siaw-Teng Liaw; Catherine Lim; Simon Lin; Curt Lindberg; Jessica Lipschitz; Stuart Lipsitz; Sharon Lipsky Gorman; Loren Lipworth-Elliott; Debra Litzelman; Baoyan Liu; Haifeng Liu; Yan Liu; Jlm Lloyd; Rachel Logan; Christopher Longhurst; Richard Loomis; John Loonsk; Christian Lovis; Le Lu; Zhiyong Lu; Christophe Ludet; Evette Ludman; Jorge Luna; David Lye; Sisi Ma; Yumeng Ma; Sriraman Madhavan; Mark Mai; Burke Mamlin; Lena Mamykina; Peggy Mancuso; Joshua Mandel; Albert Marchetti; Heimar Marin; Roger Mark; Glen Markham; Andrew Markiel; Canter Martin; Ross Martin; Vanessa Martinez; Amy Mathers; Kathleen Mazor; Thomas McCormick; Robert McCready; Melanie McGrath; Emma McGregor; Keith McInnes; Olga Medvedeva; Qiaozhu Mei; Monique Mello; Kristin Melton; David Meltzer; Nir Menachemi; Michael Mendis; Jacqueline Merrill; Lorraine Mion; Parsa Mirhaji; Bagheri Mohammadhadi; Noman Mohammed; Amrita Mohan; Erica Moodie; Jeanhee Moon; Lisa Moon; Soheil Moosavinasab; Patty Morris; Michael Moskal; Zongyang Mou; Purity Mugambi; Madhumita Mukundan; Judy Murphy; Laura Myers; Ralph Myers; Claude Nanjo ; Robertson Nash; Karthik Natarajan; Mary Naylor; N. Neely; David Nelson; Annah Ngaruro; Nam Nguyen; Viet Nguyen; Chris Nichols; Azadeh Nikfarjam; Azadeh Nikfarjam; Sean Noran; Jeje Noval; Joshua Nowak; Tricia O'Brien; Lucila Ohno-Machado; Lucila Ohno-Machado; Gail Olin; Robin Olson-Scribner; Edison Ong; Nicole Onorato; Kristin O'Reilly; Jackson Orem; Mila Orlovsky; Paula Otero; Akshatha Pai; Serguei Pakhomov; maryam panahiazar; Deepti Pandita; Mandip Panesar; Cecile Paris; Mark Parkulo; Valerio Pascucci; Chintan Patel; Jyotishman Pathak; Jon Patrick; Michael Paul; Philip Payne; Lauren Peccoraro; Peter Peduzzi; Jing Peng; Christine Perfili; Yehsoshua Perl; James Pesuit; Warren Pettey; Vivian Pham; Anthony Philippakis; Lori Phillips; Lorraine Phillips; Wanczyk Phillips; Ferdinand Pietz; Marc Pirlot; Janine Polifka; Tamar Polonsky; Jill Posner; Sheryl Potashnik; Paul Pottinger; Guido Powell; Emma Power; Lita Proctor; Eric Prud'hommeaux; Jill Pulley; Nuri Purswani; John Putz; Min Qian; Ali Raja; James Ralston; Vaishnavi Raman; Sanjay Ranka; Marilyn Rantz; Andrea Rappelsberger; Kismet Rasmusson; Bisakha Ray; Christopher Ré; Sarah Read-Brown; Andrew Redd; Susan Restaino; Chantal Reynaud-Delaître; Doug Rhoton; Ellen Riloff; colleen Roberts; Ursula Rogers; Damian Romero Diaz; Andrew Rosenberg; Marc Rosenman; Hillary Ross; Lorenzo Rossi; Todd Rothenhaus; John Rotrosen; Ankita Roy; Daniel Rubin; Scott Rudkin; Michael Rueschman; Joni Rutter; Patrick Ryan; Samuel Ryu; Md. Nazmus Sadat; Jenny Sadler; Elham Sagheb; Berkman Sahiner; Mandana Salimi; Mahsa Salsabili; Suzanne Salvucci; Cristina Sampaio; Daniel Sands; Tomer Sanence; Lindsey R. Sangaralingham; Urmimala Sarkar; Karthik Sarma; Shazia Sathar; Barry Saver; Mary Schilder; Dean Schillinger; Elinor Schoenfeld; Stephen Schondelmeyer; Stefan Schulz; Krista Schumacher; Michael Schumacher; Diane Schwartz; Miriam Schwarz; Elizabeth Searles; Booma Devi Sekar; David Sengeh; sofyane Serir; Tom Sesay; Basit Shafiq; Arnav Shah; Nilay D. Shah; Ravi Shankar; Behr DeNoble Shannon; Joshua Sharfstein; Richard Sharp; Christine Shaughnessy; Tim Shaw; Jeanne Sheffield; Varun Shenoy; Vishwas Shetty; Lin Shi; Lingyun Shi; Jean Shipman; Sean Siebert; Leslie Sim; Gyorgy Simon; Steven Simon; Jane Simoni; Shelly Sital; Michael Skinner; Nikolas Smart; Bridget Smith; Madison Smith; Michael Smith; Michael Snyder; Buer Song; Jaideep Srivastava; Mani Srivastava; Catherine Staas; Ann Stapleton; Joanne Stekler; Heinz Steltzer; Christina Stephan; David Stephens; Crystal Stewart; Curtis B. Storlie; Robert Strouse; Andrew Stuart; hoah-der Su; Ronald Summers; Jimeng Sun; Ying Suo; Scott Sutherland; Mary Swenson; Peter Szolovits; Stephanie Tallett; Peter Tarczy-Hornoch; Nicholas Tatonetti; Albert Taylor; Jonathan Teich; Javier Tejedor-Sojo; Joseph Tepas; Eric Thomas; Phillip Thompkins; Michael Thompson; Victoria Tiase; Alfredo Tirado-Ramos; Leanne Togher; Priyaranjan Tokachichu; Aurelie Tomczak; Stephen Traub; Chi Truong; Glenn

Trygstad; Eugene Tseytlin; Kathryn Turner; Andrew Urbach; John Van Horn; Rami Vanguri; Vinay Varughese; Joe Vasey; David Vawdrey; David Vawdrey; Aida Vega; Ketki Vilankar; Yevgeniy Vorobeychik; Rishi Wadhwa; Kavishwar Wagholikar; Ed Wagner; Eva Waite; Lemuel Waitman; Ryan Walsh; Zhiyu Wan; Emily Wang; Jane Wang; Jiachen Wang; Jingqi Wang; Ken Wang; QuanQiu Wang; Sheng Wang; Yan Wang; Nicole Ward; Matthew A. Warner; Robert Warren; Jonathan Weiner; Michael Weiner; Rory Weiner; Jeffery Weinfeld; Scott Weingarten; Ahuva Weiss Meilik; Dirk Wenke; Randall Wetzel; Ann Willemsen-Dunlap; Debra Willrett; Andrew Wilson; Meiu Wong; Schiffon Wong; Susan Woods; Hao Wu; Xi Wu; Weiyi Xia; Shengwu Xiong; Guang Xu; Hua Xu; Julia Xu; Meilin Xu; Zhigang Xu; Becky Yamarik; Yingwei Yao; Meliha Yetisgen; Mehmet Yildirim; Catherine Yoon; Catherine Yoon; Xiaohan Yu; Zhiguo Yu; Patina Zarccone; Qing Zeng; ChengXiang Zhai; Ce Zhang; Kun Zhang; Runshun Zhang; Yang Zhang; Yize Zhao; Degui Zhi; Shuo Zhou; Wentao Zhou; xuezhong Zhou; Tujin Zhu; XinXin Zhu; Eyal Zimlichman; Jian Zou; Zador Zsolt; Gianna Zuccotti; Oliver Aalami; Skye Aaron; Hamed Abbaszadegan; Samir Abdelrahman; Rashmie Abeysinghe; Swapna Abhyankar; Joanna Abraham; Meredith Abrams; Fuad Abujarad; Srisairam Achuthan; Melissa Aczon; Terrence Adam; Kathleen Adams; Mohammad Adibuzzaman; Naveed Afzal; Angela Ai; Kathleen Akgün; Wasim Al Assad; Patrick Alba; David Albers; Ranyah Aldekhyyel; Alexander Alekseyenko; Gregory Alexander; Sandra Alfano; Marcela Aliste; William Alonso; Mayda Alrige; Gil Alterovitz; Russ Altman; Jose-Luis Ambite; Filip Ameye; Liz Amos; Edwin Anand; Jessica Ancker; Shilo Anders; Bithia Anderson; John Angiolillo; Nancy Anthracite; Laura Anzaldi; Misael Aponte; Emilia Apostolova; Onyebuchi Arah; Adriana Arcia; Deborah Ariosto; Anna Lena Arnold; Corey Arnold; Dianne Arnold; Joan Ash; Ashish Atreja; Travis Ault; Amelia Averitt; Renato Azevedo; Md. Momin Aziz; Charles Bailey; Matthew Bailey; Michael Balick; Marion Ball; Imon Banerjee; Amie Barda; Laura Barnes; Karen Bavuso; Cosmin Bejan; Elizabeth Bell; Souhir Ben Souissi; Kathryn Bennett; James Benneyan; Brian Benneyworth; Jose Benuzillo; Andrew Berry; Onil Bhattacharyya; Suresh Bhavnani; Jiang Bian; Esther Black; Anne Blaes; Jonathan Blaisure; Douglas Blayney; Katherine Blondon; Olivier Bodenreider; Alex Bokov; Chris Bonafide; Elizabeth Borycki; Fabienne Bourgeois; Donald Bourne; Kathryn Bowles; Tamara Box; Cynthia Brandt; Bruce Bray; Dominic Breuer; Tiffani Bright; Benjamin Brooke; James Brooks; Michael Brooks; C. Brown; Kristen Browne; Scott Brue; Melissa Brunner; Brian Bucher; Philipp Burckhardt; Marissa Burgermaster; Jesus Caban; Tianrun Cai; Tianxi Cai; Clara Caldeira; James Campbell; Walter Campbell; Thomas Campion; Giovanni Canino; Michael Cantor; Silvio Domingos Cardoso; Simona Carini; Robert Carroll; Rickey Carter; Gail Casper; Kenrick Cato; Werner Ceusters; Hung-yang Chang; Lee-Shing Chang; Alec Chapman; Wendy Chapman; Monica Charles; Zhengping Che; Ching-Hua Chen; Connie Chen; Elizabeth Chen; Feng Chen; Guanhua Chen; Jonathan Chen; Luoxin Chen; xin chen; Yu Chen; Yunan Chen; Alex Cheng; Charlotte Cheng; David Cheng; Peng Cheng; Yu Cheng; Yong Kyung Choi; Raja Cholan; Angela Chow; Victoria Church; James Cimino; Timothy Clark; Gilles Clermont; Aaron Cohen; Tiago Colicchio; Nicholas Colin; Sonia Colina; Carol Collins; Mike Conway; Lindsey Cook; Ronald Cornet; Mayara Costa Figueiredo; Karen Courtney; Brittany Couture; Mark Craven; Andrew Craver; Robert Cronin; Brett Cropp; Licong Cui; Theresa Cullen; Mollie Cummins; Caitlin Cusack; Arabella D'Havé; Marcos Da Silveira; Anuj Dalal; Pierluigi D'Antrassi; Nicolle Davis; Sharon Davis; Harry Dean; Jamalynne Deckard; Marzia Del Zotto; Poching DeLaurentis; Dursun Delen; George Demiris; Dina Demner-Fushman; Spiros Denaxas; Yu Deng; Lauren Denneson; Joshua Denny; Rebecca DeSensi; Paul Dexter; Ram Dixit; Brian Dixon; Steven Dobscha; Josette Dorius; David Dorr; Dawn Dowding; Johnny Downs; Michael Draugelis; David Dubois; Alevtina Dubovitskaya; Jon Duke; Karen Dunn Lopez; Rina Dutta; Christina Dye; Patricia Dykes; Adam Dziorny; Elizabeth Earley; Tracy Edinger; Margo Edmunds; Aaron Eisman; Noemie Elhadad; David Eliason; Peter Elkin; Sherif El-Refai; Jordan Eschler; Hossein Estiri; Scott Evans; Jung-wei Fan; Farah Fasihuddin; Daniel Feller; Yuanyuan Feng; Andrea Fernandes; Lily Fierro; Joseph Finkelstein; Gregory Finley; Nicolas Fiorini; Emilia Flores; Jose Florez-Arango; Patricia Folcarelli; Emily Foldes; Daniel Fort; Alan Fossa; Pierre-Antoine Fougere; Paul Fu; Theresa Fuller; Kin Wah Fung; Al'ona Furmanchuk; Stephanie Furniss; Vivian Gainer; Regina Gaines; William Galanter; Alfiia Galimzianova; Shruti Gangadhar; Pamela Garcia-Filion; Bret Gardner; Lori Gawron; Florian Geigl; James Geller; Esteban Gershanik; Per Gesteland; Soumya Ghosh; P. Joseph Gibson; Guido Giunti; Agostino Gnasso; Satyender Goel; Rachel Gold; Isaac Goldstein; Tamara Goncalves Rezende Macieira; Yang Gong; Graciela Gonzalez Hernandez; Kenneth Goodman; Alyssa Goodson; Travis Goodwin; Niku Gorji; Ramkiran Gouripeddi; Maria Grando; Shaun Grannis; Nicole Grant; Michael Grasso; James Graumlich; Kathleen Greenberg; Benjamin Gross; Lisa Grossman; Randall Grout; Kuangxiao Gu; Yang Gu; Xinning Gui; Adi Gundlapalli; Hitinder Gurm; Anupama Gururaj; Jeydith Gutierrez Perez; David Haggstrom; Eric Hall; Donald Halpin; Bibo Hao; Tian Hao; Nicholas Hardiker; Christopher Harle; Ellen Harper; Maureen Harrington; David Harris; Andrea Hartzler; Mary Beth Hasselquist; Peter Haug; Robert Hausam; Sarah Haynes; Winston Haynes; Shan He; Ying He; Yongqun He; Yuqi He; Zhe He; Monica Hedda; Laura Heermann Langford; Richard Helmers; Ricardo Henao;

Sharon Hensley Alford; Tina Hernandez-Boussard; Christopher Herrick; William Hersh; Thu-Trang Hickman; Megan Hiestand; Jennifer Hill; Blanca Himes; Monique Hines; Timothy Hnat; King Chung Ho; Long Ho; Harry Hochheiser; William Hogan; Andrew Holdaway; Julie Hollberg; John Holmén; John Holmes; A Holmgren; Lauren Holroyd; Jan Horsky; Naoshi Hosomura; Thomas Houston; Michelle Hribar; George Hripcsak; Allen Hsiao; Gary Hsieh; Pei-Yun Hsueh; Xinyu Hu; Edward Huang; Yan Huang; Yang Huang; Yungui Huang; Darren Hudson; Stanley Huff; Nathan Hulse; Gretchen Hultman; R. Stanley Hum; Vojtech Huser; Mustafa Hussain; Zeshan Hussain; Donna Ihrke; Ivan Ip; Carlyne Jackson; Gretchen Jackson; Charles Jaffe; Abhyuday Jagannatha; Andrew James; Trevor Jamieson; Alvin Jeffery; Peggy Jenny; Stian Jessen; Guoqian Jiang; Xiaoqian Jiang; Yichen Jiang; Antonio Jimeno Yepes; Peng Jin; Alistair Johnson; Guy Johnson; Kevin Johnson; Stephen Johnson; Karyn Jonas; Amy Justice; Johnblack Kabukye; Charles Kahn; Lee Kallenbach; Feras Kamal; Aya Kamaya; Maulik Kamdar; Michael Kamerick; Hong Kan; Hong Kang; Tian Kang; Thomas Kannampallil; Vaishnavi Kannan; Sneha Kannothe; Bonnie Kaplan; Suranga Kasthurirathne; Rohit Kate; David Kaufman; Mehmet Kayaalp; Susan Keim; Liz Kellogg; Jessica Ken; Betsy Kennedy; Sharon Keogh; Sharib Khan; Ritu Khare; Hadi Kharrazi; Richard Kiefer; Matthew Kim; Tae Youn Kim; Youngjun Kim; Amy Kind; Eric Kirkendall; Pamela Kittrell; Rebecca Kitzmiller; Stephen Kiyoi; Jeffrey Klann; Samantha Kleinberg; Beatrice Knudsen; Sabine Koch; Matthias Kochmann; Eugenie Komives; Evangelos Kontopantelis; Daryl Kor; Diane Korngiebel; Yubo Kou; Panayotis Kourdis; Heidi Kramer; David Kreda; Kevin Kron; Klaus Kuhn; Rita Kukafka; Tahsin Kurc; Fabricio Kury; Andre Kushniruk; Sharon Kwan; Erica Lake; John Lalor; Jean-Baptiste Lamy; Donald Lappe; Nekane Larburu; Jason Larson; Thomas Lasko; Wayne Law; David Ledbetter; Ashley Lee; Dae Hyun Lee; Eva Lee; HEE-JIN LEE; Jaehoon Lee; Kathleen Lee; Mikyoung Lee; Harold Lehmann; Frederick Leitner; Matthew Lenert; Mattew Leonard; Cynthia LeRouge; Gondy Leroy; Blake Lesselroth; Jessica Levin; Matthew Levine; Mia Levy; Gal Levy-Fix; Jiayun Li; RUMENG LI; Xiang Li; Xiaojin Li; Ying Li; Yingxue Li; Jian Liang; Wayne Liang; Chen Lin; Elizabeth Lindemann; Jesse Lingeman; Todd Lingren; Hongfang Liu; Mei Liu; Sijia Liu; Yifan Liu; Yuanqing Liu; Yarden Livnat; William Lober; Edwin Lomotan; Marcelo Lopetegui; Ross Lordon; Travis Lovejoy; Graham Lowenthal; Anthony Luberti; Yuan Luo; Lindy Lurie; Yves Lussier; Kevin Lybarger; Courtney Lyles; Fenglong Ma; Thusitha Mabotuwana; Andrew MacKinlay; Sina Madani; Sonya Makhni; Ramon Maldonado; Sameer Malhotra; Bradley Malin; Shervin Malmasi; Francine Maloney; Hiroshi Mamiya; Dror Mandel; Eric-Jan Manders; Kenneth Mandl; Darren Mann; Perry Mar; Guillaume Marchand; Luis Marengo; Helen Margellos-Anast; Rebecca Marmor; Jenna Marquard; Keith Marsolo; Marcos Martínez-Romero; Fernando Martin-Sanchez; Melanie Marzullo; Barbara Massoudi; Ruth Masterson Creber; Michael Matheny; Susan Matney; Saverio Maviglia; James McClay; Allison McCoy; Rozalina McCoy; Clement McDonald; Dustin McEvoy; Reed McEwan; Timothy McFarlane; Scott McGrath; Mollie McKillop; Jennifer McNeely; Ernie Medina; Jing Mei; Helena Mentis; Katherine Miller; Timothy Miller; Mari Millery; Alexis Mitelpunkt; Dara Mize; Bassim Mizen; Sungrim Moon; Justin Morea; Stephen Morgan; Mohammad Morid; Stephanie Morrison; Daniel Morrow; Kathryn Mossman; Fatemeh Mousavi; Danielle Mowery; Partha Mukherjee; Anita Murcko; Naiara Muro; Dennis Murphree; Robert Murphy; Miriam Muscoplat; Mark Musen; Andrew Muth; Vidya Narayana; Scott Narus; Scott Nelson; Mathieu Nendaz; Pamela Neri; Aurelie Neveol; Kenney Ng; Che Ngufor; Yizhao Ni; Chuck Norlin; Laurie Novak; David Novillo-Ortiz; Andrew Nowalk; Martin O'Connor; Matthew Oberhardt; Christopher Ochs; Susan Ofner; Omolola Ogunyemi; Anya Okhmatovskaia; Alejandra Onate; Evan Orenstein; Mari Ostendorf; Casey Overby; Marc Overcash; Scott Owens; Mustafa Ozkaynak; Rema Padman; William Paiva; Vaclav Papez; Albert Park; Jerry Parker; Vimla Patel; Jyotishman Pathak; Braja Patra; Olga Patterson; Thomas Payne; Jay Pedersen; Niels Peek; Yifan Peng; Susan Perkins; Adler Perotte; Lee Peters; Kevin Peterson; Greg Petroski; James Phillips; David Phillips-Moses; Jasmin Phua; Maura Pisciotta; Michael Pitt; Fernanda Polubriaginof; Simon Poon; Mihail Popescu; Meenal Pore; Regenstrief Poremba; Jose Posada; Andrew Post; Karl Poterack; Saeid Pournajati; Fabian Prasser; Wanda Pratt; Coralie Prebet; Zachary Predmore; Marco Prenassi; Cedric Pruski; Saptarshi Purkayastha; Jon Puro; Laura Qualls; Yuri Quintana; Rebecca Racz; Scott Ragland; Saurabh Rahrkar; Sripriya Rajamani; Satyajeet Raje; Harley Ramelson; Andrea Ramirez; Pallavi RanadeKharkar; Luke Rasmussen; Irit Rasooly; Neda Ratanawongsa; Sarah Ratcliffe; Hanieh Razzaghi; Alan Rector; Douglas Redd; Tera Reynolds; Leah Reznick; Bryn Rhodes; Thomas Richards; Lorilei Richardson; Joan Rimar; Kirk Roberts; Jamie Robinson; Jessica Roachat; Jean-Marie Rodrigues; Laritza Rodriguez; Jason Rogers; Deevakar Rogith; Joseph Romano; Arturo Romero-Gutiérrez; Robert Rosati; S Rosenbloom; Richard Rosenthal; Rachel Ross; Justin Rousseau; Amy Rubin; Daniel Rubin; Robert Rudin; Victor Ruiz Herrera; Cornelia Ruland; Shelley Rusincovitch; David Russell; Bhavaya Sachdeva; Shobha Sadasivaiah; Victor Sadauskas; Satya Sahoo; Tarek Sakakini; Michael Saks; Hojjat Salmasian; Joel Saltz; Mary Saltz; Nicolae Sandor; Patrick Sanger; Indra Sarkar; Abeed Sarker; Shrie Raam Sathyanarayanan; Anthony Sayers; James Scanlan; Eric Schneider; Richard Schreiber; William Schuh; Alejandro Schuler; James

Schuler; Jeremiah Schuur; Yalini Senathirajah; Brigitte Séroussi; Ajay Shah; Nigam Shah; Raj Shah; Viral Shah; Prabhu Shankar; Marianne Sharko; Ashish Sharma; Deepak Sharma; Vivekanand Sharma; Christopher Shea; Lincoln Sheets; Eric Shelov; Feichen Shen; Elizabeth Shenkman; Scott Shepherd; Eli Sherman; Stephanie Shimada; Jana Shirey-Rice; Evan Sholle; Eric Shry; Maya Shumyatcher; Eliot Siegel; Keith Sigel; Ida Sim; Dean Sittig; Julia Skapik; Stephen Skentzos; Susan Skochelak; Kimberlee Skrtic; Steven Skube; Stacey Slager; Catherine Smith; Paulina Sockolow; Vimig Socrates; Yauheni Solad; Harold Solbrig; Daniel Solomon; Jung Hoon Son; Hiral Soni; Margarita Sordo; Similoluwa Sowunmi; Ergin Soysal; William Speier; Anderson Spickard; Jennifer St. Sauver; Catherine Staes; Paul Stey; Gregory Stoddard; Samantha Stonbraker; Vignesh Subbian; Sara Subramaniam; Christine Suchecki; Walter Sujansky; Deyu Sun; Jimeng Sun; Si Sun; Wen Sun; Zhaonan Sun; Qiuling Suo; Andrei Sura; Srinivasan Suresh; Rajeswari Swaminathan; Katherine Sward; Douglas Swords; Teresa Taft; Blaine Takesue; Jeffery Talbert; Cui Tao; Shiqiang Tao; James Tchong; Jessica Tenenbaum; Rebecca Tenney-Soeiro; Sidney Thornton; Victoria Tiase; Joel Tieder; Lina Tieu; Kazim Topuz; Anh-Minh Tran; Richard Trepp; Micky Tripathi; Rich Tsui; Alexander Turchin; David Turok; Mark Twelves; Amy Urban; Levon Utidjian; Ozlem Uzuner; Jaideep Vaidya; Joshua Valdez; Rupa Valdez; Mark Vance; Akshay Vankipuram; Julia Varkey; Tom Velez; Pierangelo Veltri; Sumithra Velupillai; Shyam Visweswaran; Christopher Vitale; Lisa Vizer; Teja Voruganti; Kavishwar Waghlikar; Bonnie Wakefield; Jonathan Wald; Tina Walker; Kimberly Walter; Chenghong Wang; Fei Wang; Fusheng Wang; Jason Wang; Karen Wang; Liwei Wang; Priscilla Wang; Shuang Wang; Xiaosong Wang; Yanshan Wang; Yu Wang; Yue Wang; Valerie Watzlaf; Griffin Weber; Linda Wedemeyer; Wei-Qi Wei; Mark Weiner; Charlene Weir; Nicole Weiskopf; Asli Weitkamp; Chunhua Weng; Vivian West; Andrew White; Helen White; Mary Jo Whitfield; Wathsala Widanagamaachchi; Jenna Wiens; Lauren Wilcox; Laura Wiley; Thomas Wilkinson; Ann Willemsen-Dunlap; DuWayne Willett; Jennifer Williams; Richard Williams; Tamara Winden; Adam Wright; Theodore Wright; Danny Wu; Yonghui Wu; Matthew Wyatt; Eryu Xia; Cao Xiao; Guohui Xiao; Guotong Xie; Wei Xie; Jun Xu; Rong Xu; Yanbo Xu; Chao Yan; Chengliang Yang; Luge Yang; Yushi Yang; Lixia Yao; Mobin Yasini; Ye Ye; Darvin Yi; Wen-wai Yim; Zhijun Yin; Dan Yu; Hong Yu; Kun-Hsing Yu; Sheng Yu; Xiaxia Yu; Yiqin Yu; Chi Yuan; Mengru Yuan; Xiaohui Yuan; Jennifer Zech; Ningzhou Zeng; Yuqun Zeng; Zexian Zeng; Aidong Zhang; Guo-Qiang Zhang; Jing Zhang; Rui Zhang; Xi Zhang; Yaoyun Zhang; Yiye Zhang; Jane Zhao; Jiaping Zheng; Kai Zheng; Leming Zhou; Li Zhou; Vivienne Zhu; Wei Zhu; Lindsay Zimmerman; Nancy Zimmerman; Rivelle Zlatopolsky; Alan Zuckerman; Pierre Zweigenbaum.

The following presenters of the AMIA 2017 Annual Symposium disclose the following relevant financial relationships with ACCME-defined commercial interests:

Presenter	Relationship: Commercial Interest
Klaus-Peter Adlassnig	Other Financial or Material Support: Medexter Healthcare
Julia Adler-Milstein	Other Financial or Material Support: QPID Health
Subha Airan-Javia	Other Financial or Material Support: Handoff Health LLC
Robert Amland	Stock Shareholder (directly purchased): Cerner Corporation
Perry An	Grants/Research Support: EarlySense
Ashwin Ananthkrishnan	Consultant: Abbvie; Consultant: Takeda; Consultant: Merck

Nate Apathy	Stock Shareholder (directly purchased): Cerner Corporation
Yindalon Aphinyanaphongs	Consultant: Aligncare
Dominik Aronsky	Stock Shareholder (directly purchased): Clinerion AG, Basel, Switzerland; Stock Shareholder (directly purchased): Apogee Informatics, Huntsville, AL; Stock Shareholder (directly purchased): semedy AG, Zug, Switzerland
Samuel Aronson	Other Financial or Material Support: Sunquest (My insitution receives royalties although I do not personally)
David Bates	Other Financial or Material Support: ValeraHealth; Other Financial or Material Support: Intensix; Other Financial or Material Support: MDClone; Other Financial or Material Support: S.E.A. Medical; Consultant: EarlySense; Other Financial or Material Support: QPID; Other Financial or Material Support: CDI (Negev), Ltd; Other Financial or Material Support: Enelgy
Aziz Boxwala	Stock Shareholder (directly purchased): Meliorix Inc.; Stock Shareholder (directly purchased): mWorks Health Inc.
Joel Buchanan	Honorarium: Wolters-Klewer
Angeline Carlson	Consultant: Wright Medical; Consultant: United Orthopedics Corporation; Consultant: Spectranetics; Consultant: Bayer Interventional; Other Financial or Material Support: University of Maryland School of Pharmacy
Prithwish Chakraborty	Other Financial or Material Support: IBM Watson health. The authors work for IBM, but the paper is based on early research work not meant for commercial sale
Michael Chiang	Grants/Research Support: NIH; Grants/Research Support: NSF; Consultant: Clarity Medical Systems (unpaid member of Scientific Advisory Board); Consultant: Novartis (consultant)
James Colbert	Other Financial or Material Support: medCPU
John Coles	Other Financial or Material Support: CUBRC Inc.
Sarah Collins	Stock Shareholder (directly purchased): Almost Family INC
James Doyle	Other Financial or Material Support: Epic
Neil Evans	Other Financial or Material Support: My wife works for Evolent Health - They are a health care company, but do not work within the area of my expertise or interests.
Daniel Fabbri	Other Financial or Material Support: Maize Analytics
Luis Fernandez- Luque	Stock Shareholder (directly purchased): Salumedia Tecnologias

Carol Friedman	Consultant: Health Fidelity
Vishrawas Gopalakrishnan	Other Financial or Material Support: IBM Watson Health
Martin Gunn	Grants/Research Support: Philips Healthcare; Consultant: Elsevier
Christopher Hall	Other Financial or Material Support: Philips
Bradley Hammill	Grants/Research Support: Abbott; Grants/Research Support: GlaxoSmithKline; Grants/Research Support: Novartis
Benjamin Horne	Grants/Research Support: AstraZeneca; Grants/Research Support: CareCentra; Grants/Research Support: GlaxoSmithKline; Other Financial or Material Support: Scriplogix
William Hsu	Consultant: Prosocial Applications, Inc
Sriram Iyengar	Stock Shareholder (directly purchased): guideVue, inc
Rebecca Jacobson	Consultant: Nexi, Inc.
Melinda Jenkins	Other Financial or Material Support: Custom Clinical Decision Support, Inc.
Kensaku Kawamoto	Consultant: U.S. Office of the National Coordinator for Health IT (via various subcontractors); Consultant: McKesson InterQual; Grants/Research Support: Hitachi
Katherine Kim	Honorarium: Amgen; Honorarium: Mars, Inc.
Curtis Langlotz	Consultant: Nuance Communications
John Loonsk	Consultant: CGI Federal
Joshua Mandel	Other Financial or Material Support: Verily
Sara Marceglia	Stock Shareholder (directly purchased): Newronika Srl
Genevieve Melton	Grants/Research Support: NIH, PCORI, AHRQ; Other Financial or Material Support: Spouse employee at St. Jude (Abbott)
Stephane Meystre	Stock Shareholder (directly purchased): Clinacuity, Inc.; Grants/Research Support: NCI; Grants/Research Support: NIGMS
Blackford Middleton	Other Financial or Material Support: Apervita, Inc.; Grants/Research Support: AHRQ; Consultant: MITRE
Shawn Murphy	Consultant: Trinetx

Neal O'Hara	Grants/Research Support: Evolent Health, Inc.
J. Marc Overhage	Stock Shareholder (directly purchased): Cerner Corporation; Other Financial or Material Support: Cerner Corporation
Liron Pantanowitz	Consultant: Hamamatsu; Consultant: Hologic
Philip Payne	Consultant: Signet LLC; Consultant: Signet Accel LLC; Stock Shareholder (directly purchased): Signet Accel LLC; Stock Shareholder (directly purchased): Aver Inc.
Shantanu Phatakwal	Other Financial or Material Support: Evolent Health
Andrew Placona	Other Financial or Material Support: Evolent Health
Roberto Rocha	Other Financial or Material Support: Wolters Kluwer Health
Michael Rothman	Stock Shareholder (directly purchased): PeraHealth; Other Financial or Material Support: PearHealth
Guergana Savova	Other Financial or Material Support: Wired Informatics LLC
Paul Schluter	Stock Shareholder (directly purchased): General Electric
Kevin Shekleton	Other Financial or Material Support: Cerner
Howard Strasberg	Other Financial or Material Support: Employee of Wolters Kluwer Health
Curtis Stratman	Other Financial or Material Support: UPMC Enterprises; Other Financial or Material Support: medCPU
Bharat Sutariya	Other Financial or Material Support: Cerner Corporation
Joshua Vest	Consultant: San Diego Health Connect
Daniel Vreeman	Grants/Research Support: NIH; Grants/Research Support: CMS; Grants/Research Support: Duke University; Grants/Research Support: RSNA; Grants/Research Support: bioMérieux; Consultant: Icahn School of Medicine at Mount Sinai; Other Financial or Material Support: Blue Sky Premise, LLC
Colin Walsh	Consultant: Faros Health
Amy Wang	Stock Shareholder (directly purchased): Intelligent Medical Objects
Diana Wilkie	Other Financial or Material Support: eNursing llc
John Zaleski	Other Financial or Material Support: Bernoulli Enterprise, Inc.

The following peer reviewers of the AMIA 2017 Annual Symposium disclose that neither they nor their life partners have relevant financial relationships with ACCME-defined commercial interests:

Roger Altizer; Ida Androwich; Paul Avillach; Mujeeb Basit; Joshua Bolin; Richard Bonneau; Elizabeth Buckley; Amine Chellali; Heather Cole-Lewis; Brett Davis; Peter Embi; Allan Fong; Robert Green; Krystl Haerian; Sarah Iribarren; Brett Johnson; Robert Klein; Issac Kohane; Lena Mamykina; Dan Nathan-Roberts; Brian W Pickering; Catherine Plaisant; Rachel Ramoni; Raj Ratwani; Joan Savage; Imre Solti; Janice Sung; David Vawdrey; Muhammad Walji; Byron Wallace; Richard Wasserman; Aston Zhang; Christopher Aakre; Robert Aarhus; Skye Aaron; Jos Aarts; Glenn Abastillas; Hamed Abbaszadegan; Adham Abdelrahim; Samir Abdelrahman; Aaron Abend; John Aberdeen; Swapna Abhyankar; Olufunmilola Abraham; Erika Abramson; Fuad Abujarad; Amit Acharya; Srisairam Achuthan; Melissa Aczon; Terrence Adam; Samantha Adams; Prakash Adekkanattu; Mohammad Adibuzzaman; Naveed Afzal; Nader Afzalan; Kanupriya Agarwal; Zia Agha; Ankur Agrawal; Thomas Agresta; Suzan Ahmad; Ali Ahmed; Monika Ahuja; Sukumar Rao Aithem; Oguz Akbilgic; Kathleen Akgã¼N; Monirah Al-Abdulmunem; Patricia Alafaireet; Sarah Alameddine; Wasim Al Assad; Patrick Alba; David Albers; Ranyah Aldekhyyel; Alexander Alekseyenko; Gregory Alexander; April Alfiler; Dari Alhuwail; Dr. Samira Ali; Sana Ali; Neda Alipanah; Katie Allen; Sonya Allin; Manal Almalki; Jonas Almeida; Mauricio Almeida; Abdulgader Almoeen; William Alonso; Fatemah Aloudah; Mayda Alrige; Wafaa Alsomali; Zainab Al-Taie; Gil Alterovitz; Danielle Alves; Abdullah Alzeer; Tochi Amadi; Mary Amato; Kyle Ambert; Jose-Luis Ambite; Filip Ameye; Hadi Amiri; Muhamamd Amith; Elske Ammenwerth; Sophia Ananiadou; Jessica Ancker; Nick Anderson; Jorge Andrade; James Andrews; Rebecca Andrews; John Angiolillo; Robert Annechiarico; Shah Anoop; Sameer Antani; Kristen Anton; Marcy Antonio; Onyebuchi Arah; John Araujo; Deborah Ariosto; Corey Arnold; Adelaide Arruda-Olson; Phillip Asaro; Joan Ash; Marjan Askari; Deven Atnoor; Jennifer Aucoin; Amelia Averitt; George Avrunin; Zahra Azadmanjir; Renato Azevedo; Md. Momin Aziz; Bhanu Bahl; Neil Bahroos; Charles Bailey; Steffani Bailey; Niranjan Balasubramanian; Jessica Baldwin; Gabriella Balestra; Ellen Ball; Paulo Bandiera-Paiva; Imon Banerjee; Alison Banger; Erdeta Bani; Buck Bania; Pamela Banning; Arvind Bansal; Erin Bantum; Riyue Bao; Roberto Baptista; Mario Barbe; Laura Barnes; Eleanor Barone; Ayisha Bashir; Michael Bass; David Bauer; Michael Bauer; Melissa Baysari; Brett Beaulieu-Jones; Mirna Becevic; Thomas Bechtold; Eytan Behiri; Sary Beidas; Cosmin Bejan; Rimma Belenkaya; Douglas Bell; Raquel Benavides-Torres; Marge Benham-Hutchins; Andrea Benin; Zina Ben Miled; Mohamed Ben Said; Jose Benuzillo; Paola Berchiolla; Leila Bergamasco; Barbara Berkovich; Tamara Bernard; Eta Berner; Daniel Berrios; Andrew Berry; Shamsi Berry; Joao Bettencourt-Silva; Amol Bhalla; Aseem Bharat; Haresh Bhatia; Moumita Bhattacharya; Sanmitra Bhattacharya; Suresh Bhavnani; Krithika Bhuvaneshwar; Jiang Bian; Carol Bickford; David Biermann; Yuval Bitan; Ragnhildur Bjarnadottir; Suzanne Blackley; Anne Blaes; Catherine Blake; Kevin Blansit; Brian Blaufeux; Douglas Blayney; Amanda Blok; Katherine Blondon; Cinnamon Bloss; Olivier Bodenreider; Jennifer Boehne; Alex Bokov; Mary Regina Boland; Dan Bolton; Jonathan Bona; Luca Bonomi; Damian Borbolla; Suzanne Boren; Tim Borgeson; Johan Bos; Susan Bostwick; Nathan Botts; Lina Bouayad; Fabienne Bourgeois; Florence Bourgeois; Donald Bourne; Guillaume Bouzillã©; Kathryn Bowles; Keith Boyce; Richard Boyce; Andrew Boyd; Angela Boyd; David Bradley; Dominik Brammen; Bruce Bray; Michael Breene; Matthew Breitenstein; Caitlin Brennan; Nadja Bressan; Tiffani Bright; Tom Britten; Mathias Brochhausen; Victor Brodsky; Tom Broens; Steve Bronsborg; Ian Brooks; Jeffrey Brown; Jason Brunson; Brian Bucher; Philipp Burckhardt; Harry Burke; Stephen Burrows; Alisa Busch; Claudia Bustamante; Jorie Butler; Colene Byrne; Karla Caballero Barajas; Jesus Caban; Tianrun Cai; Zhaohui Cai; Clara Caldeira; Tiffany Callahan; Amy Campbell; James Campbell; Robert Campbell; Terrance Campbell; Walter Campbell; Leonardo Campillos-Llanos; Thomas Campion; Manuel Campos; Michael Cantor; Hui Cao; Pedro Caraballo; April Carcone; Elena Cardillo; Silvio Domingos Cardoso; Vincent Carrasco; Jane Carrington; Mark Carroll; Robert Carroll; Kimberly Carson; Matthew Carson; Ernest Carter; Andre Cassell; Victor Castro; Kenrick Cato; Werner Ceusters; Sena Chae; Shreya Chakrabarti; Steven Chall; Tiffany Champagne-Langabeer; Hung-Yang Chang; Juan Chaparro; Monica Charles; David Chartash; Dian Chase; Dian Chase; Herbert Chase; Arnaub Chatterjee; Maria Chatzimina; Zhengping Che; Wiem Chebil; Ching-Hua Chen; Elizabeth Chen; Jinying Chen; Jonathan Chen; Lujie Chen; Luoxin Chen; Qingcai Chen; Qingxia Chen; Wei Chen; Wenlin Chen; Yang Chen; Zhiyuan Chen; Alex Cheng; Eric Cheng; Qian Cheng; Kelley Chester; Lianhua Chi; Nai-Ching Chi; Emma Chiamello; Maria Chiaravalloti; Roberta Chicos; Hwayoung Cho; Jason H.D. Cho; Jeeyae Choi; Jeungok Choi; Jinho Choi; Wonchan Choi; Yong Kyung Choi; Remy Choquet; Chi-Ming Chu; Soon Chun; Arlene Chung; Jane Chung; James Cimino; Lesley Clack; Martina Clarke; Gilles Clermont; James Codella; Aaron Cohen; Adam Cohen; Dasha Cohen; Deborah Cohen; Genna Cohen; Manuel Co Jr.; Tiago Colicchio; Karen Colorafi; Brian Connolly; Mike Conway; Gloria Coronado; Andrã© Correia; Paul Courtney; Suzanne Cox; Catherine Craven; Robert Cronin; David

Cronkite; John Crooks; Dori Cross; Christopher Cruz; Marc Cuggia; Licong Cui; Zhicheng Cui; Theresa Cullen; Mollie Cummins; James Cunningham; Vasa Curcin; Leanne Currie; Dorothy Curtis; Caitlin Cusack; Filip Dabek; Arianna Dagliati; Michael Dahlweid; Maria Dahm; Hong-Jie Dai; Peng Dai; Hercules Dalianis; Prudence Dalrymple; James Daniel; Kshama Daphtary; Kenn Daratha; Farrah Darbouze; Niamh Darcy; Anirudha Das; Subhro Das; Dipanwita Dasgupta; Marcos Da Silveira; Vivek Datla; Patricia Davidson; Amanda Davis; Selena Davis; Sharon Davis; Elizabeth Day; Karen Day; Jina Dacruz; Nathan Dean; Shannon Dean; Berry De Bruijn; Connie Delaney; Poching Delaurentis; Louise Deleger; Lea Deleris; Boris Delibasic; George Demiris; Dina Demner-Fushman; Spiros Denaxas; Huiqi Deng; Joshua Denny; Jeanette De Richemond; Luciara De Souza; Pralav Dessai; Murthy Devarakonda; Annette Devito Dabbs; Judith Dexheimer; Sanjoy Dey; Ferdinand Dhombres; Gayo Diallo; Martan Diaz; Alexander Diehl; Linda Dimitropoulos; Deendayal Dinakarbandian; Ying Ding; David Dinhofer; Luca Dini; Pavithra Dissanayake; Guy Divita; Brian Dixon; Dmitriy Dligach; Nhan Do; Son Doan; Julie Doberne; Bradley Doebbeling; Kristina Doing-Harris; MATIAS DOMBALD; Sara Donevant; Xiao Dong; Ming Dong; David Dorr; Nassim Douali; Dawn Dowding; Stephan Dreiseitl; Patricia Driscoll; Fan Du; Jingcheng Du; Nan Du; Shimeng Du; Xinsong Du; Prerna Dua; Rui Duan; Josa Mrcio Duarte; Jon Duke; Prashila Dullabh; Anca Dumitrache; Jeffrey Duncan; Robert Dunlea; Adam Dunn; Karen Dunn Lopez; Ines Dutra; Patricia Dykes; Bari Dzomba; Tracy Edinger; Margo Edmunds; Judith Effken; Tewodros Eguale; Jonathan Einbinder; Floyd Eisenberg; Eric Eisenstein; Joakim Ekberg; Noemie Elhadad; Robert El-Kareh; Peter Elkin; Yousef Elmehdwi; Adel Elmessiry; Alal Eran; Jordan Eschler; Hossein Estiri; Scott Evans; Ernesto Exposito; Jung-Wei Fan; Claudiu Farcas; Emilia Farcas; Fernanda Farinelli; Samira Farouk; Oladimeji Farri; Sherry Farrugia; Safa Fathiamini; Mohammad Faysel; Paul Fearn; William Feaster; Andriy Fedorov; Shara Feld; Henry Feldman; Alex Felmeister; Gang Feng; Yuanyuan Feng; Susan Fenton; Andrea Fernandes; Jesualdo Fernandez Breis; Jeffrey Ferraro; Rosa Figueroa; Michele Filannino; Sean Finan; Joseph Finkelstein; John Finnell; Nicolas Fiorini; Allison Fish; Arielle Fisher; Jason Fisher; Marcelo Fiszman; David Flannery; Linda Fleisher; Jose Florez-Arango; Allen Flynn; Samah Fodeh; Robert Follett; Paul Fontelo; Randi Foraker; Ian Fore; Jodi Forlizzi; Daniel Fort; Philip Foulis; Amy Franklin; Laura Franzke; Hamish Fraser; Robert Freimuth; Robert Freundlich; Paul Fu; Katsuhide Fujita; Theresa Fuller; Kate Fultz Hollis; Kin Wah Fung; Robert Furberg; Stephanie Furniss; Henry Gabb; Davera Gabriel; Rodney Gabriel; Souhir Gahbiche-Braham; Regina Gaines; Leila Galichi; Alice Gallo De Moraes; Dragos Galusca; Jorge Galvez; Roland Gamache; Cheng Gao; Grace Gao; Nicolas Garcelon; Diana Garcia; Bret Gardner; Peter Gardner; Kyungsook Gartrell; Jennifer Garvin; Carmelo Gaudio; Alex Gavino; Purva Gawde; Becky Gawelek; Mark Gaynor; Priscilla Gazarian; Wendong Ge; Yaorong Ge; James Geller; Yimin Geng; John Gennari; Mattias Georgsson; Mary Gerkovich; Stephanie Gernant; Dario Gherzi; Shameek Ghosh; Pericles Giannaris; Traber Giardina; Bernard Gibaud; Guido Giunti; Dario Giuse; Djordje Gligorijevic; Anupam Goel; Satyender Goel; Kathryn Goggins; Jeffrey Gold; Rachel Gold; Sigfried Gold; Yaara Goldschmidt; Inbal Goldshtein; Denise Goldsmith; Ayelet Goldstein; Benjamin Goldstein; Randy Gollub; Luciana Goncalves; Yang Gong; Hanney Gonna; Graciela Gonzalez Hernandez; Kenneth Goodman; Joshua Goodwin; Rebecca Goodwin; Travis Goodwin; Raj Gopalan; Geoffrey Gordon; Zachary Gordon; Chirayu Goswami; Krishnaj Gourab; Ramkiran Gouripeddi; Gato Gourley; Swati Goyal; Nikhil Goyal; Natalia Grabar; Ilana Graetz; Shaun Grannis; Richard Grant; Michael Grasso; Beverly Green; Judith Gregory; Ashley Griffin; Zachary Grinspan; Julien Grosjean; Lisa Grossman; Cyril Grouin; Yang Gu; Kenneth Guappone; Jason Guattery; Kari Guida; Alicia Guidry; Marcelo Guimaraes; Adi Gundlapalli; Jinlong Guo; Monica Guo; Yufan Guo; Yufan Guo; Anay Gupta; Anurag Gupta; Keshav Gupta; Preyanshu Gupta; Varadraj Gurupur; Anupama Gururaj; Lori Hack; Brahim Hadji; David Haggstrom; Janos Hajagos; Shefali Haldar; Fawaz Halwani; Ben Hamlin; Richard Hammer; Thierry Hamon; Sifei Han; David Hanauer; Bibo Hao; Linda Harrington; Bhrandon Harris; Marcelline Harris; Yael Harris; Andrew Harrison; Andrea Hartzler; Md Rashedul Hasan; Mehedi Hasan; Sadid A. Hasan; Jordan Hashemi; Andrea Hassol; Peter Haug; Robert Hausam; Ronald Hauser; David Hays; Rebecca Hazen; Daqing He; Yongqun He; Ze He; Zhe He; Kevin Heard; Laura Heermann Langford; Susan Heimsoth; Julia Heinrich; Karl Helmer; Jill Helmke; Christian Hempelmann; Ricardo Henao; Elizabeth Henneman; Aron Henriksson; Sam Henry; Tina Hernandez-Boussard; Mara Hernandez Caffot; Carolyn Herzig; Aaron Hettinger; Thu-Trang Hickman; Jennifer Hicks; Joanna Hillman; Blanca Himes; Jamie Hirsch; Lynette Hirschman; William Hites; Stanley Hmiel; King Chung Ho; Tuan Hoang Trong; Harry Hochheiser; Lilian Hoffecker; Daniel Hoffman; James Hoffman; Jeffrey Hoffman; Noah Hoffman; William Hogan; Felix Holl; John Holmes; A Holmgren; Na Hong; Peter Hoonakker; Nathan Hoot; John Horn; Matthew Horridge; Jan Horsky; Christopher Horvat; Naoshi Hosomura; Thomas Houston; Mark Howison; Michelle Hribar; George Hripcsak; Gregory Hruby; Allen Hsiao; Kang-Lin Hsieh; Gary Hsieh; Yi-Ting Hsieh; Nelson Hsing; Tsan-Sheng Hsu; Chih-Wen Hsueh; Pei-Yun Hsueh; Lu Hu; Peter Hu; Yiying Hu; Zhen Hu; Hui Huang; Kun Huang; Yan Huang; Yang Huang; Christine Hudak; Nathalie Huguette; Nathan Hulse; Haley Hunter-Zinck; Ann Hurley;

Mustafa Hussain; Syed Hussain; Khaleel Hussaini; Rada Hussein; Ray Hylock; Denise Hynes; Sookyung Hyun; Naoaki Ichihara; Takeshi Imai; Sarah Iribarren; Charlie Ishikawa; Tasneem Islam; MÃ¡rcia Ito; Ilya Ivlev; Mirou Jaana; Gretchen Jackson; Jason Jacobs; Robin Jacobs; Charles Jaffe; Abhyuday Jagannatha; Vasudevan Jagannathan; Nilesh Jain; Viral Jain; Andrew James; Trevor Jamieson; Eric Jamoom; Badeia Jawhari; Catherine Jayapandian; Alvin Jeffery; Benjamin Jelen; Robert Jenders; In Cheol Jeong; Xiang Ji; Guoqian Jiang; Jianmin Jiang; Xiaoqian Jiang; Yun Jiang; Antonio Jimeno Yepes; Xia Jing; Rita John; Cynthia Johns; Andrew Johnson; Calvin Johnson; Kevin Johnson; Sharon Johnson; Stephen Johnson; Steven Johnson; Josette Jones; Jitendra Jonnagaddala; Joshua Joseph; Young Juhn; Changmi Jung; Hyunggu Jung; Kenneth Jung; Amy Justice; Margo Kabel; David Kaelber; Charles Kahn; Ankita Kakalasarria; David Kale; Elsbeth Kalenderian; Megha Kalsy; Maulik Kamdar; Michael Kamerick; Vijayabhaskar Kandula; Bridget Kane; Hong Kang; Tian Kang; Youjeong Kang; Samuel Kanga; Thomas Kannampallil; Vaishnavi Kannan; Sneha Kannooh; Devan Kansagara; Shaheen Kanthawala; Akshat Kapoor; Amir Karami; Uri Kartoun; Rahul Kashyap; Vipul Kashyap; Yi-Chin Kato-Lin; Steven Kator; Marilyn Katz; David Kaufman; Ramakanth Kavuluru; Ayda Kebapci; Barbara Keber; Joseph Keebler; Susan Keim; Anuja Kench; Diana Kennedy; Timothy Kennell; Panagiotis Kerezoudis; Denise Kerley; Brandy Ketchum; Saif Khairat; Aly Khalifa; Mohamed Khalifa; Mohammed Khalilia; Faiza Khan; Ritu Khare; Hadi Kharrazi; Vanitha Khetan; Soudabeh Khodambashi; Bayan Khorsandnia; Adjhaporn Khunlertkit; Anjum Khurshid; Halil Kilicoglu; Christopher Kim; George Kim; Hyeoneui Kim; Min Kim; Sujin Kim; Sun Kim; Tae Youn Kim; Yejin Kim; Yoojung Kim; Eizen Kimura; John Kinsella; Les Kirchner; Eric Kirkendall; Bobbie Kite; Pamela Kittrell; Jeffrey Klann; Krystal Klein; Denis Klimov; Greger Knudsen; Hon-Sum Ko; Shinji Kobayashi; Sabine Koch; Matthias Kochmann; Edward Kolb; Philippe Kolh; Haridimos Kondylakis; Ha Kyung Kong; Jun Kong; Debra Konicek; Sarah Kooienga; Krishna Kumar Kookal; Jejo Koola; Georgy Kopanitsa; Lisa Kopf; Rajesh Koralkar; Ioannis Korkontzelos; Gunes Koru; Eileen Koski; Michele Koss; Alexander Kotov; Tim Krause; John Krauss; Conrad Krawiec; Ashok Krishnamurthy; Rahul Krishnan; Jacob Krive; Philip Kroth; Anna Kucharska-Newton; Brooks Kuhn; Thomson Kuhn; Rita Kukafka; Manish Kumar; Kislaya Kunjan; Pei-Yi Kuo; Tsung-Ting Kuo; Tahsin Kurc; Tomohiro Kuroda; Fabricio Kury; Kathryn Kuttler; Finn Kuusisto; Craig Kuziemsky; Steven Labkoff; Kenneth Lai; Erica Lake; Cathy Lalley; John Lalor; Paul Landais; Zach Landis-Lewis; William Lane; Corrado Lanera; Liliana Laranjo; Natalia Largaespada Beer; Maureen Layden; Janet Laylor; Thuy Le; Robert Leaman; Cynthia Leaphart; David Ledbetter; Christopher Lee; Dong Kyun Lee; Eva Lee; Jinha Lee; Kathleen Lee; Seo Joon Lee; Younghee Lee; Young Ji Lee; Hee-Jin Lee; Harold Lehmann; Victor Lei; Klaus Lemke; Matthew Lenert; Jianwei Leng; Kathy Lesh; Tiffany Leung; Waiyin Leung; Bruce Levy; Seranita Lewis; Bo Li; Dingcheng Li; Haiquan Li; Haodi Li; Jiao Li; Kai Li; Li Li; Muqun Li; Qi Li; Xiang Li; Xiaojin Li; Ying Li; Yuxi Li; CHENDONG LI; RUMENG LI; Chen Liang; Fennie Liang; Guannan Liang; Yanhui Liang; Valentina Lichtner; David Liebeskind; Anne-Laure Ligozat; Nzisa Liku; Sonja Likumahwa-Ackman; Sarah Lim Choi Keung; Chen Lin; Jia-Ling Lin; King-Ip Lin; Yu Lin; Jane Linderbaum; Doris Lindoerfer; Richard Lindquist; Yuan Ling; Jesse Lingeman; Zachary Lipton; Alyson Listhaus; Wanli Liu; Chuanren Liu; Feifan Liu; Hongfang Liu; Jialin Liu; Jie Liu; Junyi Liu; Mei Liu; Sijia Liu; Xiangtao Liu; Xu Liu; Yang Liu; Yifan Liu; William Lober; Linda Lockett-Brown; Guillermo Lopez Campos; Pablo LÃ³pez-GarcÃ¡a; Giulia Lorenzoni; Juan Antonio Lossio-Ventura; Jennie Lou; Eli Lourie; Jenna Lovely; Douglas Lowery-North; Ana Lucic; Jonas Lundberg; Bo Luo; Heng Luo; Yuan Luo; Yves Lussier; Kim Luyckx; Thomas Ly; David Lyalin; Thusitha Mabotuwana; Andrew Mackinlay; Sina Madani; Sina Madani; Amar Madugula; Arjun Magge; Farah Magrabi; Prudhvi Maguluru; Satish Mahajan; Malika Mahoui; Vincent Major; Ramon Maldonado; Scott Malec; Sameer Malhotra; Shervin Malmasi; Christopher Maloney; Hiroshi Mamiya; William Manard; Felipe Mancini; Eric-Jan Manders; Kenneth Mandl; Scott Mankowitz; John Manning; Milisa Manojlovich; Laura Marcial; Romaric Marcilly; Oana Marcu; Helen Margellos-Anast; Simone Marini; Sumita Markan-Aurora; Mia Markey; Monika Marko-Holguin; Jenna Marquard; M. Scott Marshall; Nell Marshall; Robert Marshall; Keith Marsolo; Ross Martin; Gabriela Martinez; Catalina MartÃ¡nez Costa; Marcos MartÃ¡nez-Romero; Fernando Martin-Sanchez; Anna Maria Masci; Jill Massengale; Morcouc Massoud; Barbara Massoudi; Nicolas Matentzoglu; Michael Mathis; Puneet Mathur; Nicholas Matiasz; Susan Matney; Anoop Mayampurath; Joyce Maygers; Simon McBride; James McClay; Robert McClure; Iben McCormick-Ricket; Allison Mccoy; Rozalina Mccoy; Thomas Mccoy; Lauren Mccullagh; Anna Mcdaniel; Clement Mcdonald; Timothy Mcfarlane; Sunanda Mccarvey; James Mcclothlin; Kyle Mccgregor; Bridget Mcinnes; Justin Mcmanus; Stephanie Medlock; Rebecca Meehan; Prachi Mehta; Jing Mei; Brittany Melton; David Mendes; Frank Meng; Prahlad Menon; Helena Mentis; Lauren Mercincavage; Lee Mericle; Nicholas Mezitis; Shon Michael; Wojtek Michalowski; Amanda Midboe; Sean Mikles; Tim Miksch; Christopher Miller; Timothy Miller; Nikola Milosevic; Stavros Theofanis Miloulis; Hua Min; Thomas Minich; Jessica Minnier; Riccardo Miotto; Jelena Mirkovic; Michael Mirro; Ninad Mishra; Rashmi Mishra; Vimal Mishra; Leonie Misquitta; Christoph Mitsch; Walter Mlynaryk; FranÃ§ois Modave; Susan Moffatt-Bruce;

Amir Mohammad; Santosh Mohan; Vishnu Mohan; Khalid Moidu; Richard Moldwin; Shamim Mollah; Donald Mon; Manolo Moneda; Karen Monsen; Sungrim Moon; Carlton Moore; Jason Moore; Miraida Morales; Antonio Morales Nicolã;S; Angela Morey; Jose Morey; Stephen Morgan; Mohammad Morid; Craig Morioka; James Mork; Alan Morris; Keith Morse; Stuart Morton; Abu Mosa; Laura Moss; Fleur Mougín; Justin Mower; Danielle Mowery; Lawrence Muhlbaier; Sukrit Mukherjee; Sarah Mullin; Nina Multak; Sarah Munce; Barbie Mundt; Emir Muã±Oz; Sean Munson; Anita Murcko; Lisa Murie; Dennis Murphree; Robert Murphy; Miriam Muscoplat; Seyed Ali Mussavi Rizi; R. Clayton Musser; Veronica Muthee; Ellen Mutrux; Stuart Myerburg; Risa Myers; Radhakrishnan Nagarajan; Layan Nahlawi; Eun-Shim Nahm; Lotfollah Najjar; Naoki Nakashima; Masaharu Nakayama; Hari Nandigam; Karen Nanji; Scott Narus; Aaron Nathan; Pantelis Natsiavas; Tristan Naumann; Kim Nazi; Jonathan Nebeker; Stuart Nelson; Antoine Neuraz; Aurelie Neveol; Susan Newbold; Denis Newman-Griffis; Kenney Ng; Che Ngufor; Anthony Nguyen; Hai-Son Nguyen; Hien Nguyen; Vickie Nguyen; Kwangsik Nho; Yizhao Ni; F. Daniel Nicolalde; Xia Ning; Heather Noble; Amy Nordo; Christopher Norman; Ruth Norris; Sarah Nosal; Vit Novacek; Laurie Novak; David Novillo-Ortiz; Ryan Novince; Fatima Nunes; Daniel Nystrom; Mikael Nystrom; Dympna O'Sullivan; Piotr Obara; Amrom Obstfeld; Florence Odekunle; Omolola Ogunyemi; Elissa Oh; Kazuya Okamoto; Eliel Oliveira; Sergio Oliveira; Roxana Ologeanu Taddei; Abiodun "Abi" Omoloja; Tracy Onega; Mei-Sing Ong; Tom Ongwere; Evan Orenstein; Giordi Orreggio; Cristina Lã°cia Ortolani; Benjamin Orwoll; Travis Osterman; Sakiko Ota; Casey Overby; Shauna Overgaard; Bunyamin Ozaydin; Michal Ozery-Flato; Mustafa Ozkaynak; Ahmad P. Tafti; Jennifer Pacheco; Brian Paciotti; Gary Pack; Michael Padula; Alessia Paglialonga; Hyojung Paik; Kenneth Paik; Ian Painter; Doyel Pal; Matvey Palchuk; Chao Pan; Eric Pan; Mei-Lien Pan; Frank Pandolfé; Sergio Paraiso-Medina; Guy Parã©; Pradipta Parhi; Enea Parimbelli; Albert Park; Anne Park; Patrick Paroubek; Carlos Luis Parra-Calderã³N; Dave Parry; Nigel Parsad; Aditi Patel; Jay Patel; Vaishali Patel; Vimla Patel; Vipul Patel; Jyotishman Pathak; Vaibhav Patil; Braja Patra; Diogo Patrao; Timothy Patrick; Olga Patterson; Filip Pattyn; Ted Pedersen; Niels Peek; Jonathan Pell; Yifan Peng; Catherine Pepper; Bethany Percha; Bede Perera; Audrey Perez; Jose Perez-Ramos; Thangaratnam Peries; Yehoshua Perl; Adler Perotte; Josh Peterson; Michael Pfeffer; Shobha Phansalkar; Andrew Phillips; Mark Phillips; Esteban Pino; Ronald Piscotty; Rimma Pivovarov; Joseph Plasek; Anna Poker; Balaji Polepalli Ramesh; Ari Pollack; Thomas Polzin; Sarah Poole; Eric Poon; Mihail Popescu; Jennifer Popovic; Meenal Pore; Jose Posada; Andrew Post; Robert Posteraro; Karl Poterack; Mohammad Pourhomayoun; Petra Povalej Brzan; James Powers; Alex Pozhitkov; Giuseppe Pozzi; Patric Prado; John Prager; Gouri Prakash; Zachary Predmore; Taylor Pressler; Fred Prior; T. Pritchard; Naresh Prodduturi; Lisiane Pruinelli; Mar Pujades-Rodriguez; Mamta Puppala; Sanjay Purushotham; Lee Pyles; Shahid Qadri; Zhaohui Qin; Richard Quigg; Matt QUINN; Yuri Quintana; Kavita Radhakrishnan; Nouran Ragaban; Esmaeel Rahmani; Saurabh Rahrkar; Fateme Rajabiyazdi; Sripriya Rajamani; Satyajeet Raje; Sanjay Kamath Ramachandra Rao; Harley Ramelson; Gilbert Ramirez; Magaly Ramirez; Dusan Ramljak; Edmond Ramly; S. Raquel Ramos; Piper Ranallo; Rohit Ranchal; Pavani Rangachari; Rajesh Ranganath; Praveen Rao; Nadav Rappoport; Ali Rashidee; Parisa Rashidi; Luke Rasmussen; Rebecca Raszewski; Richard Rauscher; Irma Ravkic; Kouros Ravvaz; Narges Razavian; Susan Rea; Douglas Redd; Travis Redd; Madhu Reddy; Robyn Reed; Blaine Reeder; Ruth Reeves; Shakaib Rehman; Christian Reich; Gene Ren; Jean-Marie Renard; Harry Reyes Nieva; Tera Reynolds; Mi Jung Rho; Richard Ricciardi; Janise Richards; Lorilei Richardson; Steven Rick; Albert Riedl; Anthony Rios; Edgar Rios Piedra; Helga Rippen; Anna Ripple; Marylyn Ritchie; Antonia Rivera; Stephanie Rizk; Catherine Roberts; Kirk Roberts; Jamie Robinson; Mitra Rocca; Robert Roden; Nancy Roderer; Jean-Marie Rodrigues; Jorge Rodriguez; Laritza Rodriguez; Michelle Rogers; Deevakar Rogith; Thomas Roh; Romisa Rohani Ghahari; Joseph Romano; Arturo Romero-Gutiã©Rrez; Charlene Ronquillo; Jay Ronquillo; Rebecca Roper; Rebecca Rose; Paul Rosenau; S Rosenbloom; Alex Rosenthal; Mindy Ross; Sophie Rosset; Tanvir Roushan; Boshu Ru; Yaffa Rubenstein; Peshah Rubinstein; Alex Rudniy; Carolina Ruiz; Victor Ruiz Herrera; Cornelia Ruland; Adam Rule; Umme Rumana; Shelley Rusincovitch; Angélique Russell; David Russell; Elise Russo; Alan Ruttenberg; Beatriz Ryan; Sarah Ryan; Euijung Ryu; Rajani Sadasivam; Reza Sadeghian; Mayya Safarova; Satya Sahoo; Salim Saiyed; Tarek Sakakini; Jason Saleem; Fernando Sales; Hojjat Salmasian; Joel Saltz; Mary Saltz; Elisa Salvi; Saeed Samet; Nicolae Sandor; Patrick Sanger; Stefano Santo Sabato; Demetrios Sarantis; Indra Sarkar; Chandrima Sarkar; Abeed Sarker; Shrie Raam Sathyanarayanan; Christi Saupp; Erica Savage; Marc Schaub; Beth Scheid; Daniel Schlegel; Charles Schmitt; Rebecca Schnall; David Schneider; Henning Schneider; Jodi Schneider; Richard Schreiber; Kraftin Schreyer; Andrew Schriever; Lynn Schriml; Matthew Scotch; Jean Scott; Deborah Seale; Kimberly Sebek; Alberto Segre; Wendy Segrest; Luis Selva; Ayan Sen; Yalini Senathirajah; Danielle Sent; Selja SeppãLã±; Kevin Sexton; Emre Sezgin; Soham Shah; Ajay Shah; Yuval Shahar; Md Shamsuzzaman; Chao Shang; Ning Shang; Rung-Ji Shang; Yijun Shao; Michael Shapiro; Matthew Shardlow; Ashish Sharma; Deepak Sharma; Vivekanand Sharma; Hagit Shatkay; Christopher Shea; Lincoln Sheets; Amy Sheide; Abbas

Sheikhtaheri; Sherri Sheinfeld Gorin; Eric Shelov; Feichen Shen; Shiwen Shen; Elizabeth Shenkman; Jared Shenson; Edna Shenvi; Scott Shepherd; Yi-Han Sheu; Rita Shewbridge; Jianlin Shi; Lingyun Shi; Stephanie Shimada; Neel Shimpi; Grace Shin; Soo-Yong Shin; Chaitanya Shivade; Dikla Shmueli-Blumberg; Azza Shoaibi; Ali Shojaee Bakhtiari; Eugene Shum; Yu Shyr; Chi-Ren Shyu; Zasim Azhar Siddiqui; Eliot Siegel; Jonathan Siff; Tomi Silander; Luis Silva; Patricia Silveira; Allan Simpaio; Christopher Simpson; Maria Sims; Murat Sincan; Hardeep Singh; Sumi Singh; Shyamashree Sinha; Dean Sittig; Julia Skapik; Diane Skiba; Sarah Slight; Neil Smalheiser; Catherine Smith; Wade Smith; JAIME SMITH; Paulina Sockolow; Sunghwan Sohn; Anthony Solomonides; Sandeep Soman; Janine Sommer; Dezhao Song; Hsing-Yi Song; Jawon Song; Awalin Sopan; Margarita Sordo; Gerardo Soto-Campos; Davide Sottara; Lina Soualmia; Yassine Souilmi; Karen Sousa; Brett South; Brunno Souza; Daby Sow; Ergin Soysal; William Speier; Matthew Sperrin; Christine Spisla; Stephen Spooner; Basile Spyropoulos; Preethi Srinivas; Padmini Srinivasan; Vignesh Srinivasan; Robert Stapp; Bryan Steitz; Duane Steward; Phillip Stewart; Michael Stockin; Gregory Stoddard; Samantha Stonbraker; Jing Su; Wu-Chen Su; Walter Suarez; Edward Suh; Hyewon Suh; Walter Sujansky; Lina Sulieman; Deyu Sun; Si Sun; Simon Sun; Wen Sun; Zhaonan Sun; Srinivasan Suresh; Didi Surian; Simon Suster; Andrew Swai; Tanveer Syeda-Mahmood; Emmanuelle Sylvestre; Ty Tabernik; Syeda Momina Tabish; Teresa Taft; Blaine Takesue; Geoffrey Talmon; Pratik Tamakuwala; Xing Tan; Sanjeev Tandon; Buzhou Tang; Lingyi Tang; Affaud Tanon; Carson Tao; Cui Tao; Donghua Tao; Shiqiang Tao; Namik Taright; Asba Tasneem; Anne Tate; Jude Tayaben; Richard Tayrien; James Tcheng; Miguel Teixeira; Irina Temnikova; Jessica Tenenbaum; Nattapon Thanintorn; Nawan Theera-Ampornpunt; Christopher Thomas; Johnson Thomas; Shiby Thomas; Paul Thompson; William Thompson; Sidney Thornton; Thankam Thyvalikakath; Haozheng Tian; Victoria Tiase; Ralph Timperi; Toomas Timpka; Gabriella Tognola; Herman Tolentino; Maurine Tong; James Torner; Michael Totzke; Julien Tourille; Duong Tran; Melissa Trapp-Petty; Debbie Travers; Jasmine Travers; Lance Trehwella; Rebecca Trocki; Pei-Jan Tsai; Dmitry Tsarkov; Geoffrey Tso; Ching-Huei Tsou; Rich Tsui; Samson Tu; Tania Tudorache; Bengisu Tulu; Carolyn Turvey; Guenter Tusch; Carolyn Tweedy; Uchenna Uchidiuno; Kim Unertl; Jay Urbain; Laura Vail; Joshua Valdez; Rupa Valdez; Vlad Valtchinov; Kimberly Van Auken; Sabine Van Der Veer; Jacob Vanhouten; Erik M. Van Mulligen; Carl Vartian; Gabriel Vasconcelos; Vikrant Vaze; Bharathi Vedula; Julien Velcin; Sumithra Velupillai; Laurel Verhagen; Marc Verhagen; Marlo Vernon; Karin Verspoor; Natalia Viani; Vivian Vimarlund; Bhanukiran Vinzamuri; Shyam Visweswaran; Lisa Vizer; Samuel Volchenboum; Stefan Von Cavallar; V.G. Vinod Vydiswaran; Kavishwar Waghlikar; Monika Wahi; Jonathan Wald; Anna Waller; Theresa Walunas; Jonathan Wanderer; Xiaoming Wang; Chen Wang; Chenghong Wang; Dongwen Wang; Fei Wang; Fusheng Wang; Jingwen Wang; Liqin Wang; Liwei Wang; Lucy Wang; Ping Wang; Sheng Wang; Shuang Wang; Xiang Wang; Xiaoyan Wang; Xuya Wang; Yajuan Wang; Yanshan Wang; Ying Wang; Yu Wang; Yue Wang; Victoria Wangia-Anderson; Jeremy Warner; Karen Wasilewski-Masker; Sofie Wass; Charlotte Weaver; Emily Webber; Griffin Weber; Ingmar Weber; Jens Weber; Patrick Weber; Firas Wehbe; Chih-Hsuan Wei; Duo (Helen) Wei; Qiang Wei; Wei Wei; Zhi Wei; Bryan Weichelt; Stuart Weinberg; Mark Weiner; Charlene Weir; Nicole Weiskopf; Asli Weitkamp; Cheng K. Fred Wen; Jingran Wen; Chunhua Weng; Wei-Hung Weng; Vivian West; Jennifer Westmorland; Bonnie Westra; Patricia Whetzel; Chung-Il Wi; Wathsala Widanagamaachchi; Wyndy Wiitala; Bryan Wilbanks; Adam Wilcox; Laura Wiley; Rebecca Wilgus; Szymon Wilk; Duwayne Willett; Allison Williams; Ishan Williams; Jennifer Williams; Marc Williams; Richard Williams; Clarlynda Williams-Devane; Jeffrey Williamson; Marisa Wilson; Tamara Winden; Tamara Winden; John Windle; Lorinette Wirth; Janusz Wojtusiak; Chris Wolff; Elena Wood; Grant Wood; Deborah Woodcock; James Woodward; Terri Workman; Adam Wright; Chunlei Wu; Danny Wu; Han Wu; Huanmei Wu; Justina Wu; Leslie Wu; Stephen Wu; Yirong Wu; Yonghui Wu; Jesse Wyatt; Eryu Xia; Fagen Xie; Guotong Xie; Wei Xie; Yusheng Xie; Jun Xu; Songhua Xu; Diyang Xue; Alexandre Yahi; Kazuhiko Yamashita; Chengliang Yang; Christopher Yang; Haodong Yang; Jianji Yang; Yang Yang; Chen Yanover; Lixia Yao; Patricia Yao; Robert Yao; Cheng Ye; Ye Ye; Zhan Ye (Harold); Po-Yin Yen; Haeseung Yi; Wen-Wai Yim; Xiaoyao Yin; Zhijun Yin; Sunmoo Yoon; Melissa Yorks; Eileen Yoshida; Denny Yu; Hong Yu; Kun-Hsing Yu; Sheng Yu; Xinyu Yu; Yiqin Yu; Chi Yuan; Gigi Yuen-Reed; Rafeek Yusuf; Carlo Zavaroni; Teresa Zayas-Cabàn; Jennifer Zech; John Zech; Jennifer Zelmer; Jia Zeng; Jia Zeng; Ningzhou Zeng; Xiaoming Zeng; Yuqun Zeng; Zexian Zeng; Ferhat Zengul; Enming Zhang; Guo-Qiang Zhang; Hao Zhang; Jinghe Zhang; Lei Zhang; Olivia Zhang; Rui Zhang; Songmao Zhang; Weide Zhang; Xi Zhang; Yaoyun Zhang; Yi Zhang; Yili Zhang; Yiye Zhang; Yong Zhang; Yongkang Zhang; Zhan Zhang; Zhe Zhang; Jane Zhao; Mengnan Zhao; Shilin Zhao; Xinyan Zhao; Yuehua Zhao; Yi Zhen; Hua Zheng; Jiaping Zheng; Ling Zheng; Shuai Zheng; Yizhen Zhong; Leming Zhou; Li Zhou; Lina Zhou; Sicheng Zhou; Yujia Zhou; Dongxiao Zhu; Haining Zhu; Shijun Zhu; Vivienne Zhu; Yan Zhuang; Mary Zide; Gail Zielinski; Andrew Zimolzak; Alan Zuckerman; Pierre Zweigenbaum;

The following peer reviewers of the AMIA 2017 Annual Symposium disclose the following relevant financial relationships with ACCME-defined commercial interests:

Name	Relationship: Commercial Interest
Hamed Abedtash	Other Financial or Material Support: Eli Lilly
Subha Airan-Javia	Other Financial or Material Support: Handoff Health LLC
Robert Amland	Stock Shareholder (directly purchased): Cerner Corporation
Tariq Andersen	Consultant: Rehfeld Medical
Nate Apathy	Stock Shareholder (directly purchased): Cerner Corporation
Yindalon Aphinyanaphongs	Consultant: Aligncare
Dominik Aronsky	Stock Shareholder (directly purchased): Clinerion AG, Basel, Switzerland; Stock Shareholder (directly purchased): Apogee Informatics, Huntsville, AL; Stock Shareholder (directly purchased): semedy AG, Zug, Switzerland
Samuel Aronson	Other Financial or Material Support: Sunquest (My insitution receives royalties although I do not personally)
Tyler Baldwin	Grants/Research Support: IBM
David Bates	Other Financial or Material Support: ValeraHealth; Other Financial or Material Support: Intensix; Other Financial or Material Support: MDClone; Consultant: EarlySense; Other Financial or Material Support: QPID; Other Financial or Material Support: CDI (Negev), Ltd; Other Financial or Material Support: Enelgy; Other Financial or Material Support: S.E.A. Medical
Idal Beer	Stock Shareholder (directly purchased): Baxter Healthcare Corporation
Anton Berisha	Other Financial or Material Support: LexisNexis Risk Solutions
Sanjeev Bhavnani	Grants/Research Support: Qualcomm Foundation; Grants/Research Support: Rotary Foundation; Consultant: iVEDIX; Consultant: WellSeek; Consultant: Misceo; Honorarium: Phillips; Honorarium: Medical World Americas - Texas Medical Center
Seth Bokser	Other Financial or Material Support: Oneview Healthcare

Tara Borlawsky	Grants/Research Support: NCI, NLM, NCATS, AHRQ; Other Financial or Material Support: BAH, SAIC, Rockefeller Philanthropy Associates, AcademyHealth, Pfizer, Hairy Cell Leukemia Foundation; Consultant: Case Western Reserve University, Cleveland Clinic, Columbia University, Stonybrook University, University of Kentucky, West Virginia University; Honorarium: American Medical Informatics Association (AMIA), Institute of Medicine (IOM), Geisinger Health System; Stock Shareholder (directly purchased): Signet Accel LLC (Founder), Signet Innovations LLC (Advisor), Aver, Lumeris
Mark Braunstein	Stock Shareholder (directly purchased): Clinigence; Stock Shareholder (directly purchased): Crossix; Stock Shareholder (directly purchased): PhysiQ; Stock Shareholder (directly purchased): Context Matters; Stock Shareholder (directly purchased): Catavolt; Stock Shareholder (directly purchased): LifeQ; Stock Shareholder (directly purchased): Ionic Security
Soren Brunak	Consultant: Intomics A/S (board member); Consultant: ProScion A/S (board member)
Roy Byrd	Other Financial or Material Support: IBM Corp.
Carol Cain	Other Financial or Material Support: Amino
Alison Callahan	Other Financial or Material Support: Apixio
Prithwish Chakraborty	Other Financial or Material Support: IBM Watson health. The authors work for IBM, but the paper is based on early research work not meant for commercial sale
Michael Chiang	Grants/Research Support: NIH; Grants/Research Support: NSF; Consultant: Clarity Medical Systems (unpaid member of Scientific Advisory Board); Consultant: Novartis (consultant)
Edgar Chou	Grants/Research Support: Gilead
Stephen Claypool	Other Financial or Material Support: Wolters Kluwer
Nathan Cobb	Stock Shareholder (directly purchased): MYH LLC
Nathan Cohen	Stock Shareholder (directly purchased): Royal Philips Electronics
John Coles	Other Financial or Material Support: CUBRC Inc.
Sarah Collins	Stock Shareholder (directly purchased): Almost Family INC
Cal Collins	Stock Shareholder (directly purchased): OpenClinica LLC
Bradley Crotty	Other Financial or Material Support: Buoy Inc; Stock Shareholder (directly purchased): General Electric; Stock Shareholder (directly purchased): Apple; Stock Shareholder (directly purchased): Microsoft
John Crowley	Other Financial or Material Support: Alliance Health

Sumbul Desai	Consultant: Apple
Neil Dhopeswarkar	Consultant: Daiichi Sankyo
Ozgur Eris	Other Financial or Material Support: Moderna Therapeutics
Willy Flegel	Other Financial or Material Support: genotyping patent royalties
Carol Friedman	Consultant: Health Fidelity
Jason Gilder	Stock Shareholder (directly purchased): IBM
Michael Gonzalez	Consultant: Velosal, Inc.
William Gordon	Consultant: Kyruus, Inc; Consultant: Google
David Gotz	Consultant: Allscripts; Consultant: GLG
Benjamin Goudey	Grants/Research Support: IBM
Brian Gross	Stock Shareholder (directly purchased): Philips Healthcare
Tudor Groza	Other Financial or Material Support: Genome.One
Martin Gunn	Grants/Research Support: Philips Healthcare; Consultant: Elsevier
Christopher Hall	Other Financial or Material Support: Philips
Bradley Hammill	Grants/Research Support: Abbott; Grants/Research Support: GlaxoSmithKline; Grants/Research Support: Novartis
Oktie Hassanzadeh	Grants/Research Support: IBM
Vitaly Herasevich	Stock Shareholder (directly purchased): Ambient Clinical Analytics; Consultant: Philips
Mike Hogarth	Consultant: Quantum Leap Collaborative; Other Financial or Material Support: LifeLink, Inc.
Benjamin Horne	Grants/Research Support: AstraZeneca; Grants/Research Support: CareCentra; Grants/Research Support: GlaxoSmithKline; Other Financial or Material Support: Scriplogix
William Hsu	Consultant: Prosocial Applications, Inc
John Hsu	Grants/Research Support: NIH; Grants/Research Support: CMWF; Grants/Research Support: CHCF; Grants/Research Support: Arnold Foundation; Other Financial or Material Support: MGH; Consultant: University of California

Kevin Hughes	Stock Shareholder (directly purchased): CRA Health
Sriram Iyengar	Stock Shareholder (directly purchased): guideVue, inc
Rebecca Jacobson	Consultant: Nexi, Inc.
Ashutosh Jadhav	Grants/Research Support: IBM Research
Carolyn Jasik	Stock Shareholder (directly purchased): Mango Health; Stock Shareholder (directly purchased): Salesforce.Com; Stock Shareholder (directly purchased): Google, Inc.
Melinda Jenkins	Other Financial or Material Support: Custom Clinical Decision Support, Inc.
Patricia Johnson	Stock Shareholder (directly purchased): QuintilesIMS; Other Financial or Material Support: Employee-Encore, A QuintilesIMS Company
Jayashree Kalpathy-Cramer	Consultant: Infotech Software
Andrew Kanter	Stock Shareholder (directly purchased): IMO; Other Financial or Material Support: IMO
Kensaku Kawamoto	Consultant: U.S. Office of the National Coordinator for Health IT (via various subcontractors); Consultant: McKesson InterQual; Grants/Research Support: Hitachi
Shameer Khader	Other Financial or Material Support: Philips
Naqi Khan	Other Financial or Material Support: MCG Health
Katherine Kim	Honorarium: Amgen; Honorarium: Mars, Inc.
Prescott Klassen	Other Financial or Material Support: Philips Research North America
Sarah Knoop	Stock Shareholder (directly purchased): IBM
Yoshiaki Kondo	Grants/Research Support: Nippon Telegraph and Telephone East Corporation; Consultant: Actome Research Institute, Inc.; Stock Shareholder (directly purchased): Actome Research Institute, Inc.
Christoph Lehmann	Other Financial or Material Support: Honorarium, Pediatric Informatics; Honorarium: Conference in Saudi
Mike Leu	Other Financial or Material Support: Zimi Medical Technologies LLC
Jonathan Levis	Stock Shareholder (directly purchased): AMC Health
John Loonsk	Consultant: CGI Federal

Cecil Lynch	Consultant: Accenture; Stock Shareholder (directly purchased): Accenture
Sharad Manaktala	Consultant: Wolters Kluwer Health
Sara Marceglia	Stock Shareholder (directly purchased): Newronika Srl
Takehiro Matsumoto	Grants/Research Support: KBSoftware Co., Ltd
David McCallie	Stock Shareholder (directly purchased): Cerner Corp; Other Financial or Material Support: Cerner Corp
Leslie McIntosh	Other Financial or Material Support: Asteris, LLC; Consultant: SafeT, LLC; Stock Shareholder (directly purchased): ripeta, llc
Lawrence McKnight	Other Financial or Material Support: Cerner; Stock Shareholder (directly purchased): Google; Stock Shareholder (directly purchased): Apple
Genevieve Melton	Grants/Research Support: NIH, PCORI, AHRQ; Other Financial or Material Support: Spouse employee at St. Jude (Abbott)
Anne-Marie Meyer	Honorarium: Merck; Consultant: ASCO
Stephane Meystre	Stock Shareholder (directly purchased): Clinacuity, Inc.; Grants/Research Support: NCI; Grants/Research Support: NIGMS
Blackford Middleton	Other Financial or Material Support: Apervita, Inc.; Grants/Research Support: AHRQ; Consultant: MITRE
Terri Mitchell	Other Financial or Material Support: Nuance
Henning Muller	Consultant: Zebra medical vision; Grants/Research Support: Context vision
Shawn Murphy	Consultant: Trinetx
Niven Narain	Stock Shareholder (directly purchased): Berg
Ann Navar	Grants/Research Support: Sanofi, Regeneron, Amgen; Consultant: Sanofi
David Newman	Consultant: Health Systems Technology
Irene Ong	Consultant: Proteovista
J. Marc Overhage	Stock Shareholder (directly purchased): Cerner Corporation; Other Financial or Material Support: Cerner Corporation
Jennifer Pai	Other Financial or Material Support: Merck & Co.
Jigar Patel	Stock Shareholder (directly purchased): Cerner Corporation

Philip Payne	Consultant: Signet LLC; Consultant: Signet Accel LLC; Stock Shareholder (directly purchased): Signet Accel LLC; Stock Shareholder (directly purchased): Aver Inc.
Malinda Peeples	Other Financial or Material Support: WellDoc
Shantanu Phatakwal	Other Financial or Material Support: Evolent Health
JP Pollak	Other Financial or Material Support: Wellcoin, Inc
Ernesto Ramirez	Other Financial or Material Support: Small Steps Labs LLC
Jeffrey Robbins	Other Financial or Material Support: LiveData, Inc.
Raul Rodriguez-Esteban	Other Financial or Material Support: F. Hoffmann-La Roche Ltd.
Brian Rothman	Honorarium: Masimo; Consultant: OpenTempo
Leon Rozenblit	Stock Shareholder (directly purchased): Prometheus Research, LLC
Craig Rusin	Stock Shareholder (directly purchased): Medical Informatics Corp
Charles Safran	Stock Shareholder (directly purchased): Intelligent Medical Objects
Ryota Sakurai	Grants/Research Support: Japan Society for the Promotion of Science
Karthik Sarma	Other Financial or Material Support: SimX, Inc
Harm Scherpbier	Consultant: eClinicalWorks, Philips Wellcentive, Haystack Informatics, Medyear, Familywize, Vitaltrax,
Harshal Shah	Stock Shareholder (directly purchased): Persistent Systems Inc
Mahesh Shanmugam	Stock Shareholder (directly purchased): Facebook; Stock Shareholder (directly purchased): Citibank
Edward Shortliffe	Consultant: IBM Watson Health
Ann Slee	Grants/Research Support: Univesrity of Edinburgh; Consultant: PCS Health Ltd; Consultant: Univesrity of Edinburgh
Paul St. Jacques	Consultant: MedHost; Consultant: Digital Reasoning
Howard Strasberg	Other Financial or Material Support: Employee of Wolters Kluwer Health
Douglas Talbert	Stock Shareholder (directly purchased): HC 180, LLC

Paul Tang	Other Financial or Material Support: IBM Watson Health
Manabu Torii	Other Financial or Material Support: Kaiser Permanente Southern California
Miguel Torres-Urquidy	Other Financial or Material Support: Springer-Verlag
Kashyap Tumkur	Other Financial or Material Support: Verily Life Sciences LLC
Harry Tunnell	Stock Shareholder (directly purchased): Pfizer
Daniel Vreeman	Grants/Research Support: NIH; Grants/Research Support: CMS; Grants/Research Support: Duke University; Grants/Research Support: RSNA; Grants/Research Support: bioMérieux; Consultant: Icahn School of Medicine at Mount Sinai; Other Financial or Material Support: Blue Sky Premise, LLC
James Walker	Other Financial or Material Support: Cerner
Colin Walsh	Consultant: Faros Health
Amy Wang	Stock Shareholder (directly purchased): Intelligent Medical Objects
Peter Weinstein	Consultant: Team, not personal, receives consulting revenue from multiple (20-30) medical device companies for assistance in product design and regulatory regarding safety
Brandon Welch	Stock Shareholder (directly purchased): ItRunsInMyFamily.com, Inc; Stock Shareholder (directly purchased): Doxy.me, LLC
Fei Yang	Consultant: Celgene
John Zaleski	Other Financial or Material Support: Bernoulli Enterprise, Inc.

All following AMIA MOC Committee members involved with content review of the AMIA 2017 Annual Symposium’s MCQ Booklet disclose that neither they nor their life partners have relevant financial relationships with ACCME- defined commercial interests:

Amy Helwig; Eunice Huang; Robert C. Marshall; Jeff Nielson; Karl Poterack; Sandeep Soman; Amy Wang; Keith F. Woeltje

All following AMIA MOC Committee members involved with content review of the AMIA 2017 Annual Symposium’s MCQ Booklet disclose the following relevant financial relationships with ACCME- defined commercial interests:

Philip A. Smith discloses he is a stockholder in MedMorph, LLC and in Applied Health IT Experts, LLC.

All following AMIA staff involved with content development of the AMIA 2017 Annual Symposium disclose that neither they nor their life partners have relevant financial relationships with ACCME- defined commercial interests:

Dasha Cohen; Doug Fridsma; Lauren Koleszar; Pasha Rubinstein; Jeff Smith; Jeff Williamson.