

In accordance with the ACCME® Standards for Commercial Support Six, all in control of content must disclose any relevant financial relationships. These relationships were reviewed via the MCW conflict of interest resolution process and resolved.

Relevant Financial Relationships:

Name	Company	Role
Katherine A. High	AskBio, Pfizer, CRISPR, Spark Therapeutics	Employer, Consultant, Ownership Interest, Board Member
Rodger P. McEver	Selexys Pharmaceuticals, now part of Novartis AG	Co-founder
Kenneth I. Ataga	Novartis, Global Blood Therapeutics, Novo Nordisk	Member Advisory Board; Chair of Steering Committee
James H. Morrissey	Kerafast, Inc., PMD Therapeutics, Cayuga Pharmaceuticals	Research Support, Co-founder/equity interest/intellectual property, Ownership Interest
Shannon M. Bates	Eli Lilly Canada, Leo Pharma Canada, Inc.	Speaker
Coen Maas	TargED Biopharmaceuticals,	Ownership Interest
Helen Philippou	LUNAC Therapeutics,	Consultant /Founder
Margareth C. Ozelo	BioMarin, Novo Nordisk, Pfizer, Roche, Sanofi, Takeda, Bayer, Grifols,	Scientific Advisory Board, Research Support/P.I., Speaker
Edward George Denley Tuddenham	Freeline Ltd, UCL-B	Consultant, UCL-B patentee
Walter Ageno	Bayer, Sanofi, BMS Pfizer,	Advisory Board
Alejandro Lazo-Langner	Gilead Sciences, Bioage Labs	Consultant
Karin Hoffmeister	Pfizer	Consultant
Gowthami Arepally	Astra Zeneca, Biokit, Novartis	Royalties, Consultant
Connie Ng Hess	Bayer, Amgen, Janssen	Research
Peter Collins	CSL Behring, Werfen, Haemonetics	Consultant
Robert Brodsky	Alexion Pharmaceuticals, UpToDate	PI, Author/Editor
Cameron Turtle	Nektar Therapeutics, Juno Therapeutics, Precision Biosciences, Eureka Therapeutics, BMS Myeloid Therapeutics, Caribou Bioscience, T-CURX, Arsenal Bio, Century Therapeutics, Asher Bio, Amgen, Allogene	PI, Research, Scientific Advisory Board, Consultant
Joseph S. Palumbo	Ionis Pharmaceuticals,	Research Funding
Jamie O'Sullivan	LEO Pharma	Speaker
Anetta Undas	Bayer, Pfizer, Boehringer Ingelheim	Speaker
Benjamin Ebert	Neomorph Therapeutics, Skyhawk Therapeutics, and Exo Therapeutics,	Scientific Advisory Board
Jeffrey Berger	Janssen, Amgen	Consultant
Sotirios Tsimikas	UCSD, Ionis	Inventor
Scott M. Damrauer	Calico Labs, RenalytixAI,	Consultant, Co-Inventor

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Sophie Susen	Laelaps Therapeutics	Ownership Interest
Michelle Lavin	Takeda, Sobi, Tremeau Pharmaceuticals	Consultant
Eric Scott Mullins	Takeda, HEMA Biologics	Advisory Board
Rakhi Naik	Elsevier	Speaker
Heidi J. Dalton	Innovative ECMO Concepts, Entegriion Inc, Abiomed	Consultant, Advisory Board
Lindsey A. George	Spark Therapeutics, Avrobio, Bayer, CSL Behring, Pfizer, Biomarin, Intellia	Clinical PI, Data Safety Monitoring board Member, Advisory Board, Consultant
Christopher B. Doering	Expression Therapeutics	Ownership Interest
Marc Carrier	BMS, Pfizer and Leo Pharma	Speaker
Casey O'Connell	Abbvie	Scientific Advisory Board
Guillermo Garcia-Cardena	Riparian Pharmaceuticals	Scientific Advisor, Ownership Interest
Christopher C. W. Hughes	Aracari Biosciences	Founder, Ownership Interest
Bethan Psaila	Novartis, Constellation Therapeutics	Speaker
Kellie Machlus	STRM.BIO	Scientific Advisory Board and Consultant
Scott D. Berkowitz	Bayer US, LLC	Former employment as clinical research physician, up until April 30, 2021
Jeffrey I. Weitz	Anthos, Bayer, Boehringer Ingelheim, Bristol-Myers Squibb, Daiichi-Sankyo, Ionis, Janssen, Merck, Novartis, Pfizer	Consultant
Neil A. Goldenberg	Daiici Sankyo, Inc, Chiesi Cangrelor, Roshan Pharmaceuticals & the Academic Research Organization CPC Clinical Research, Novartis, Bayer; Anthos; Daiici; Novartis; and the University-affiliated Academic Research Organization CPC Clinical Research	Consultant
Grégoire Le Gal	Aspen Pharma, Bayer, Bristol Meyer Squibbs, LEO Pharma, Pfizer, Sanofi	Speaker
Andreas Greinacher	Deutsche Forschungsgemeinschaft, Aspen, Ergomed, Boehringer Ingelheim, Bayer Vital, Rovi, Sagent, Chromatec, Instrumentation Laboratory, Macopharma, Portola, Biokit, Sanofi-Aventis, Fa. Blau Farmaceutics, Prosensa/Biomarin, DRK-BSD NSTOB, grants from DRK-BSD Baden-Württemberg/Hessen, Roche, GTH e.V.	Consultant, Speaker

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Sylvie Cointe	Stago/Biocyte	
Pascal Tyrrell	Novo Nordisk, SofTx Innovations Inc, AceAge Inc	Primary investigator and consultant, co-founder and CEO, Chief Science Officer, Ownership Interest
Lorenzo G.R. Romano	Swedish Orphan Biovitrum BV (Sobi),	
Gerald Soff	Amgen, Janssen, Dova Pharmaceuticals, Bristol-Myers Squibb, Pfizer, Novartis, Anthos Therapeutics	Consultant, Advisory Board
	AstraZeneca Pharmaceuticals, Astellas Pharma Global	
Anand Padmanabhan	Retham Therapeutics, Veralox Therapeutics	Equity Ownership, Scientific Advisory Board
A G G Turpie	Janssen, Bayer	Speaker
Adam Cuker	Synergy, CRO, Wolters Kluwer, UptoDate	Consultant, Author
Alejandro Lazo-Langner	Gilead Sciences, Bioage Labs	Consultant
Alexander T Cohen	Pfizer Inc., Bristol-Myers Squibb	Speaker
Allison E. Burnett	American Society of Health System Pharmacists (ASHP), BMS/Pfizer	Speaker, Advisory Board
Anirban Sen Gupta	Haima Therapeutics	Ownership Interest
Anthony Maraveyas	BMS, Pfizer, Bayer, Leo Pharma	Speaker, Advisory Board
Avi Leader	Bayer, Novartis, Leo Pharma, Pfizer	Speaker, Advisory Board, Consultant
Azusa Nagao	Takeda Pharmaceutical	Research
Benjamin Ebert	Celgene, Novartis, Calico, Neomorph Therapeutics, Skyhawk Therapeutics, and Exo Therapeutics	PI, Advisory Board
Bertoletti	MSD Pharma, Aspen Pharma	Consultant, Advisory Board
Bhavya Doshi	Spark Therapeutics, Janssen	Speaker, Consultant
Christina Lorentz	Aronora, Inc.,	Employer

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David J Kuter	Actelion (Syntimmune), Agios, Alnylam, Amgen, Argenx, BioCryst, Bristol Myers Squibb (BMS), Caremark, CRICO, Daiichi Sankyo, Dova, Genzyme, Immunovant, Incyte, Kyowa-Kirin, Merck Sharp Dohme, Momenta, Novartis, Pfizer, Platelet Disorder Support Association, Principia, Protalex, Protalix, Rigel, Sanofi, Genzyme, Shionogi, Shire, Takeda (Bioverativ), UCB, Up-To-Date, Zafgen	Consultant
Dougald Monroe	Takeda Development Center Americas, Inc, Medexus, Inc, Otellow Medical	Consultant, Ownership Interest
Fabienne Kloosterman	Novo Nordisk	Researcher
Giancarlo Castaman	Roche, Uniqure, CSL Behring	Advisory Board
Gili Kenet	Roche, Pfizer, Novonordisk, Bayer, Sanofi, Takeda, Opko Biologics, ASC Therapeutics, CSL, Biomarine, Uniqore	PI, Advisory Board, Speaker, Consultant, DMC Member
Hanny Al-Samkari	Agios, Dove, Amgen, argenx, Sobi, Novartis, and Rigel	Consultant
Jeffrey Berger	Janssen, Amgen	Consultant
Jeffrey Zwicker	GSK/Parexel/CSL Behring/Sanofi, Pfizer/BMS, Portola, Daichii, Quercegen/Incyte	Consultant, Advisory Board
Johnny Mahlangu	Biomarin, Baxalta, Catalyst Biosciences, CSL, Novartis, Novo Nordisk, Pfizer, Roche, Sanofi, Spark, Roche, Unique, Takeda	Advisory Board, Speaker, PI
Joseph S. Palumbo	Ionis Pharmaceuticals,	Research
Jun Wan	Synapse Research Institute	Employer
Karin Hoffmeister	Pfizer	Consultant
Katarina Glise Sandblad	Pfizer, BMS, Leo Pharma	Speaker
Kathleen Freson	Swedish Orphan Biovitrum	Researcher
Kathleen P. Pratt	Cyrus Biotechnology, Inc.	Consultant
Name	Company	Role
Kristen M. Sanfilippo	AstraZeneca Pharmaceuticals, Astellas Pharma Global	Researcher
Leslie Raffini	CSL Behring, Hema Biologics, XaTek	Advisory Board
Manuela Albisetti	Boehringer Ingelheim	Member of steering committee
Marc Carrier	BMS, Pfizer, Leo Pharma, Bayer, Sanofi, Servier	Speaker
Marilyn J. Manco-Johnson	BioMarin, CSL Behring, NovoNordisk	Advisory Board
Marissa Donovan	Sigilon Therapeutics,	Employer
Marta Palomo	Jazz Pharma	Speaker
Martha Sola-Visner	Sysmex, Inc.,	Employer

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Martin Büchsel	Roche Diagnostics International Ltd	PI
Michael Laffan	Astra Zeneca, Biokit, Novartis, Takeda, Biomarin, Pfizer, Takeda, Leopharma, Roche, Bayer, Shire, SOBI, LFB	Speaker, Consultant, Advisory Board
Michael Nagler	Technoclone, Bayer, Roche, Daiichi Sankyo	Speaker, Researcher
Ming Lim	Sanofi Genzyme, Argenx, Hema Biologics	Speaker
Natthapol Songdej	Pharmacosmos, Apellis, Blueprint Medicines	Advisory Board
Neil A. Goldenberg	Daiichi Sankyo, Inc, Chiesi Cangrelor, Roshan Pharmaceuticals Novartis, Bayer; Anthos; Daiici; Novartis	Consultant
PAOLO PRANDONI	Bayer Pharma AG, Pfizer, Daiichi-Sankyo, Sanofi, Italfarmaco, Alfasigma	Consultant,
Paul Batty	BioMarin Pharmaceutical, Octapharma	Consultant, Advisory Board
Rakhi P Naik	Elsevier	Consultant
Rodney M. Camire	Bayer, Pfizer, Spark Therapeutic	Consultant
Romarc Lacroix	Stago	Researcher
Shannon Bates	Leo Pharma Canada, Inc.	Speaker
Shirrey Chen	Werfen	Employer
Sophie Susen	Laelaps Therapeutics	Co-owner/founder
Sriram Krishnaswamy	Baxalta, Bayer	Consultant
Thomas Vanassche	Daiichi Sankyo, Bayer AG, Boehringer Ingelheim	Advisory Boards, Speaker, Consultant
Wolfgang Miesbach	Biomarin, Biotest, Chugai, LFB, Novo Nordisk, Octapharma, Pfizer, Rohce, Takeda/Shire, Freeline, Sanofi	Speakers Bureau, Scientific Advisory Board
Yiming Wu	Bristol Myers Squibb	Employer