

CME INFORMATION

Biomarkers and Personalized Medicine in Cardiovascular Disease Symposium

May 9, 2025
La Jolla, CA

Overview

This symposium is designed to provide the latest clinical data, guidelines and evidence related to the clinical application of biomarkers in cardiovascular conditions.

Target Audience

This activity is designed to meet the educational needs for Cardiologists, Internists, Primary Care Physicians, Emergency Medicine Physicians, Clinical Laboratorians, Nursing Professionals and Allied Healthcare Professionals.

Learning Objectives

- Describe the current standards of care associated with the application of biomarkers in the care of patients with acute coronary syndrome (ACS) and type 2 myocardial infarction; heart failure; as well as diabetes, pulmonary hypertension and related illnesses.
- Cite recent literature that provides an evidence basis for the use of biomarkers for prediction, diagnosis and management of cardiovascular disease.
- Discuss emerging biomarker applications in cardiovascular disease based on recent breaking clinical studies and clinical trials.
- Explain how new data in ACS, heart failure, diabetes, and other related diseases are pointing to biomarkers as a key tool in the emerging era of precision medicine.
- Describe how proteomics and novel markers can be utilized in the care of heart transplant patients.
- Apply current evidence and guidelines to screen appropriate patients for heritable cardiovascular conditions.
- Apply non-traditional biomarkers including genetic markers, breast arterial calcification, and pulmonary artery pressure to guide and improve the treatment of patients with (or at risk for) cardiovascular disease.
- Describe recent clinical advances and the role of biomarkers in management of cardiovascular disease in women.
- Apply biomarkers to help optimize selection of patients for cardiac devices, assess for response to device therapy, and improve prognostication of patients with devices.

Accreditation

This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of *CMEsolutions* and Gaffney Events. The *CMEsolutions* is accredited by the ACCME to provide continuing medical education for physicians.

The *CMEsolutions* designates this live activity for a maximum of 6.75 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

PARTICIPATION REQUIREMENTS

1. Read CME Information.
2. Attend/Participate in Sessions – credit given commensurate with attendance.
3. Logon to the following URL: <https://www.online-med-edu.com/biomarkers/050925/cme/>
4. Complete evaluation, credit request form and download or print credit statement/Certificate.

Participants have 60 days to claim AMA PRA Category 1 Credits™

FACULTY

Kristin M. Aakre, MD, PhD

Professor, Consultant / University of Bergen, Haukeland University Hospital
Vestland, Norway

Fred S. Apple, PhD

Professor / Hennepin Healthcare / HCMC & University of Minnesota
Minnetonka, MN

Quan M. Bui, MD

Assistant Professor of Medicine / UCSD
La Jolla, CA

Robert Christenson, PhD

Professor of Pathology Professor of Medical and Research Technology / University of Maryland
Baltimore, MD

Paul Collinson, MD

Professor of Cardiovascular Biomarkers / City St George's University of London
London, United Kingdom

Lori Daniels, MD (Activity Director)

Professor of Medicine / University of California, San Diego
La Jolla, CA

James de Lemos, MD

Chief of Cardiology / UT Southwestern Medical Center
Southlake, TX

Christopher deFilippi, MD (Co-Activity Director)

Vice Chair of Academic Affairs, Inova Schar Heart and Vascular Institute / Inova Health System
Falls Church, VA

Gregg Fonarow, MD

Professor of Cardiovascular Medicine / UCLA
Sherman Oaks, CA

Dipti Itchhhaporia, MD

Clinical Professor / University of California, Irvine
Newport Beach, CA

Joachim H. (Joe) Ix, MD

Professor of Medicine / University of California, San Diego
San Diego, CA

Allan S. Jaffe, MD

Consultant / Mayo Clinic
Rochester, MN

Nicholas L. Mills, MD, PhD

British Heart Foundation Chair of Cardiology / University of Edinburgh
Edinburgh, United Kingdom

Torbjørn Omland, MD, PhD

Professor / University of Oslo
Oslo, Norway

W. Frank Peacock, MD

Professor, Emergency Medicine, Baylor College of Medicine / Comprehensive Research Associates
Houston, TX

Yader Sandoval, MD

Interventional Cardiologist / Minneapolis Heart Institute, Abbott Northwestern Hospital
Edina, MN

Hilary Shapiro, MD

Assistant Clinical Professor, Advanced Heart Failure and Transplant Cardiology / UC San Diego Health
La Jolla, CA

Martin Than, MD

Emergency Medicine Specialist / Health New Zealand – Canterbury
Canterbury, New Zealand

Gregory S. Thomas, MD, MPH

Medical Director Emeritus, CV Program Development / MemorialCare Health System
Dana Point, CA

Michael Wilkinson, MD

Associate Professor of Medicine / UCSD
La Jolla, CA

Saara Wittfooth, PhD

Associate Professor / University of Turku
Turku, Finland

Independent Peer Reviewer

Stephen Seliger, MD, MS

Non-CME Faculty

Eric Adler, MD

Cardiologist / UCSD
La Jolla, CA

FACULTY DISCLOSURES

CMEsolutions requires everyone in a position to control the content of this activity to disclose any relevant financial conflict of interest they may have as related to the content of this activity. All identified conflicts of interest are thoroughly vetted by *CMEsolutions* for fair balance, scientific objectivity of studies mentioned in the materials or used as the basis for content, and appropriateness of patient care recommendations. *CMEsolutions* has resolved all conflicts of interest prior to this educational activity.

The following faculty have indicated that they may have a relationship, which in the context of their presentation(s), could be perceived as a potential conflict of interest:

NAME	COMPANY NAME	RELATIONSHIP
Kristin M. Aakre, MD, PhD	Roche Diagnostics	Advisor or review panel participant, Teaching and Speaking
	Siemens Healthineers	Research, Advisor or review panel participant, Teaching and Speaking
	SpinChip; Radiometer	Advisor or review panel participant
	CardiNor	Consulting
	Mindray	Teaching and Speaking
Fred S. Apple, PhD	Mindray	Consulting
	Hennepin Healthcare Resdearch Institute	Research
	Werfen; Abbott Vascular	Advisor or review panel participant
Quan M. Bui, MD	Papillon Therapeutics; Lexeo Therapeutics	Consulting
Robert Christenson, PhD	Siemens Healthineers; Beckman-Coulter; Roche Diagnostics; PixCell Medical; Sphingotech; Becton Dickinson; QuidelOrtho Diagnostics	Consulting, Advisor or review panel participant
	Siemens Healthineers; Werfen; Beckman Coulter; PixCell Medical; Becton Dickinson; Quidel Ortho Diagnostics; Roche Diagnostics; Abbott Diagnostics; Biomerieux; Procise Diagnostics; Radiometer; Polymedco Inc	Research
Lori Daniels, MD	QuidelOrtho; Roche Diagnostics	Consulting
	Abbott; Pfizer	Advisor or review panel participant, Independent Contractor (including contracted research)
James de Lemos, MD	Amgen; Novo Nordisc; Eli Lilly; Merck; Regeneron	Advisor or review panel participant
Christopher deFilippi, MD	Abbott Diagnostics; Quidel: Ortho	Consulting, Independent Contractor (including contracted research)
	FujiRebio; Baxter Diagnostics	Independent Contractor (including contracted research)
	Pathfast	Teaching and Speaking
Gregg Fonarow, MD	Amgen; Merck; Novartis; Medtronic; Janssen; AstraZeneca	Consulting
Joachim H. (Joe) Ix, MD	Bayer; Astra Zeneca	Advisor or review panel participant
	Breakthrough T1D	Research
	Marius Pharmaceuticals	Consulting

Allan S. Jaffe, MD	Abbott; Ortho; Siemens; ET Healthcare; Sphingotec; Roche; SpinChip; LumiraDx; Radiometer	Consulting
Nicholas L. Mills, MD, PhD	Roche Diagnostics; Siemens Healthineers; Abbott Diagnostics	Consulting, Teaching and Speaking
	LumiraDx; Psyros Diagnostics	Consulting
Torbjørn Omland, MD, PhD	Abbott Diagnostics	Research, Teaching and Speaking
	Roche Diagnostics	Research, Consulting, Advisor or review panel participant, Teaching and Speaking
	Novartis; ChromaDex	Research
	CardiNor	Research, Consulting, Intellectual property rights (royalties or patent sales), Ownership interest - stock and stock options
	Novo Nordisk	Advisor or review panel participant
	SpinChip Diagnostics	Research, Consulting
Yader Sandoval, MD	Roche Diagnostics; Abbott; Philips; CathWorks; HeartFlow; GE Healthcare	Consulting, Teaching and Speaking
	Medtronic; Cleerly	Teaching and Speaking
	Zoll	Consulting
Martin Than, MD	Abbott; Radiometer; Roche; Siemens Healthineers	Consulting, Research, Advisor or review panel participant, Teaching and Speaking
	Quidel-Ortho	Consulting, Research
Michael Wilkinson, MD	Amarin; Regeneron; Kaneka; The Kinetix Group	Consulting
	Ionis	Research, Consulting
	Amgen; Lilly; Silence; Mineralys	Research
	Novartis	Research, Advisor or review panel participant
	NewAmsterdam	Advisor or review panel participant

All other individuals have indicated no relationship which, in the context of their involvement, could be perceived as a potential conflict of interest.

Acknowledgement

CME Solutions LLC and Gaffney Events acknowledge an educational grant for partial support of this activity from:

- Roche Diagnostics Corporation

Planner Disclosures

No member of *CME Solutions* or Gaffney Events has any relevant financial relationships to disclose regarding this activity.

Off-label Use

This activity may contain discussion of unlabeled and/or investigational uses of agents not approved by the FDA. Please consult the prescribing information for each product.

Privacy Policy

CME Solutions Privacy and Confidentiality Policy: www.online-med-edu.com/privacypolicy.pdf
CME Solutions can be contacted at info@cmesolutions.org.