

International Biomarker Meeting 2022

**Classical and Novel Biomarkers and Omics in CVD –
Driving Toward More Medical Value**

*Enhancing CV Therapeutic Benefit by
Precision Medicine*

**Seventeenth Annual Meeting: Transatlantic Heart Failure
Biomarker Working Group**

Cannes, France

October 22nd – 23rd, 2022

Scientific Programme

Chairmen:

Kirkwood F. Adams, Jr. (Chapel Hill, US)

Faiez Zannad (Nancy, FR)

Meeting Agenda

Cannes Hotel Le Gray d'Albion - Croisette

Session 1

Latest Applications of Biomarkers in CVD

Saturday Morning October 22, 2022

8:00 - 8:05 AM Overview *Kirkwood F. Adams, Jr., MD (Chapel Hill, US)*
Faiez Zannad, MD, PhD (Nancy, FR)

Novel Application of Biomarkers to Optimize Clinical Care in Cardiovascular Disease

Moderator *Alexandre Mebazaa, MD (Paris, FR)*

8:05 - 8:45 AM Investigator Viewpoint *Leong Ng, MD (Leicester, UK)*
Investigator Viewpoint *Yigal Pinto, MD, PhD (Amsterdam, NL)*
Investigator Viewpoint *Christopher deFilippi, MD (Baltimore, US)*

8:45 - 9:30 AM Group Discussion

Latest on Sepsis Biomarkers and Biotargets – Progress in Precision Medicine

Moderator *Kirkwood F. Adams, Jr, MD (Chapel Hill, US)*

9:30 - 10:05 AM Investigator Viewpoint *Alexandre Mebazaa, MD (Paris, FR)*
Industry Viewpoint *Karine Bourgeois, PhD (4TEEN4)*
Industry Viewpoint *Joachim Struck, PhD (Adrenomed)*

10:05 - 10:40 AM Group Discussion

10:40 - 10:55 AM Break

Progress in Biomarkers and Omics Markers To Predict Heart Failure

Moderator *John Cleland, MD (Glasgow, UK)*

10:55 - 11:35 AM Investigator Viewpoint *Faiez Zannad, MD, PhD (Nancy, FR)*
Investigator Viewpoint *Tom Lumbers, MD (London, UK)*
Investigator Viewpoint *Javed Butler, MD, MPH (Dallas, US)*

11:35 AM - 12:15PM Group Discussion

12:15 - 1:15 PM Lunch

Meeting Agenda

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Session 2

Translation of Biomarker Science to Clinical Science

Saturday Afternoon October 22, 2022

HFpEF: Redefining this Syndrome - Role of Biomarkers in Understanding Phenotypes and Therapeutic Responses

Moderator *Javed Butler, MD, MPH (Dallas, US)*

1:15 - 1:50 PM Investigator Viewpoint *Robert Mentz, MD (Durham, US)*
Investigator Viewpoint *Javed Butler, MD, MPH (Dallas, US)*

1:50 - 2:30 PM **Group Discussion**

Novel Pathophysiological Insights in Heart Failure: Role of Omics and Biomarkers

Moderator *David Lanfear, MD, MS (Detroit, US)*

2:30 - 3:15 PM Investigator Viewpoint *Thomas Thum, MD, PhD (Hanover, DE)*
Investigator Viewpoint *João Ferreira MD, PhD (Porto, PT)*
Investigator Viewpoint *Pierpaolo Pellicori, MD (Glasgow, UK)*

3:15 - 3:55 PM **Group Discussion**

3:55 - 4:05 PM **Break**

How Biomarkers May Help Understand Mechanisms of Action of HF Drugs

Moderator *Kirkwood F. Adams, Jr., MD (Chapel Hill, US)*

4:05 - 4:45 PM Investigator Viewpoint *Faiez Zannad, MD, PhD (Nancy, FR)*
Industry Viewpoint *Mikhail Sumin, PhD (Boehringer-Ingelheim)*
Industry Viewpoint *Karsten Strauss, PhD (Olink)*

4:45 - 5:30 PM **Group Discussion**

5:30 PM **Adjourn for the day**

Meeting Agenda

Cannes Hotel Le Gray d'Albion - Croisette

Session 3

CV Biomarkers in Clinical HF and CV Care

Sunday Morning October 23, 2022

Cardio-Renal Disease – Markers of Pathophysiology and Congestion

Moderator *Robert Mentz, MD (Durham, US)*

8:00 - 8:50 AM Investigator Viewpoint *Jozine ter Maaten, MD, PhD (Groningen, NL)*
Investigator Viewpoint *Leong Ng, MD (Leicester, UK)*
Industry Viewpoint *Oliver Hartmann, PhD (SphingoTec)*
Industry Viewpoint *Sharin Roth, PhD (Otsuka)*

8:50 - 9:30 AM **Group Discussion**

Clinical and Molecular Phenotyping to Enhance Precision Medicine in Heart Failure

Moderator *Alexandre Mebazaa, MD (Paris, FR)*

9:30 - 10:00 AM Investigator Viewpoint *João Ferreira MD, PhD (Porto, PT)*
Investigator Viewpoint *Martin Hülsmann, MD (Vienna, AT)*

10:00 - 10:30 AM **Group Discussion**

10:30 - 10:45 AM **Break**

Reducing Treatment Gaps in HFrEF Rx - Role of Biomarkers and Other Novel Strategies - Pivotal Studies Going Forward?

Moderator *Kirkwood F. Adams, Jr., MD (Chapel Hill, US)*

10:45 - 11:35 AM Investigator Viewpoint *Alexandre Mebazaa, MD (Paris, FR)*
Investigator Viewpoint *Kirkwood F. Adams, Jr., MD (Chapel Hill, US)*
Investigator Viewpoint *Wouter Ouwerkerk, PhD (Amsterdam, NL)*
Industry Viewpoint *James Snider, PhD (Critical Dx)*

11:35 - 12:15 PM **Group Discussion**

12:15 - 1:15 PM **Lunch**

Meeting Agenda

Cannes Hotel Le Gray d'Albion - Croisette

Session 4

Biomarkers for Precision Medicine

Sunday Afternoon October 23, 2022

Systems Biology, Bio-informatics and Complex Networks in HF Research

Moderator *Kirkwood F. Adams, Jr., MD (Chapel Hill, US)*

1:15 - 1:50 PM Investigator Viewpoint *David Lanfear, MD, MS (Detroit, US)*
Investigator Viewpoint *Wouter Ouwerkerk, PhD (Amsterdam, NL)*
Investigator Viewpoint *Christian Bar, PhD (Hanover, DE)*

1:50 - 2:25 PM **Group Discussion**

Role of Biomarkers to Complement Bioimaging and Device Monitoring

Moderator *John Cleland, MD (Glasgow, UK)*

2:25 - 2:45 PM Investigator Viewpoint *Pierpaolo Pellicori, MD (Glasgow, UK)*
Investigator Viewpoint *John Cleland, MD (Glasgow, UK)*

2:45 - 3:15 PM **Group Discussion**

3:15 - 3:30 PM **Break**

Role of Biomarkers in Worsening HFrEF: Patient Profiling and Guide To Drug Treatment

Moderator *David Lanfear, MD, MS (Detroit, US)*

3:30 - 4:00 PM Investigator Viewpoint *Kirkwood F. Adams, Jr., MD (Chapel Hill, US)*
Investigator Viewpoint *David Lanfear, MD, MS (Detroit, US)*

4:00 - 4:30 PM **Group Discussion**

4:30 PM **Meeting Wrap-up and Adjourn**