Activity Report

ESC COUNCIL ON CARDIOVASCULAR GENOMICS
FISCAL YEAR 2022 (APRIL 2021 TO MARCH 2022)
Chairperson’s Introduction

There is a tide in the affairs of men. 
Which, taken at the flood, leads on to fortune. 
Omitted, all the voyage of their life 
Is bound in shallows and in miseries. 
On such a full sea are we now afloat...

Julius Caesar, Act-IV, Scene-III

This often-used Shakespearian quote seems very appropriate as we struggle to cope with the consequences of the pandemic and the unstable international crisis. It is in such times that the qualities of resilience, imagination and determination come to fore, and it is with some pride that I can report on a very successful year for the Council in which we have raised the profile of genomic cardiology through position statements, webinars and the nurturing of a vibrant young community.

This is my final year as chairman of the Council, and I am enormously grateful to have had the privilege of working with the dedicated staff of the ESC and my expert colleagues. I am confident that genomic cardiology is here to stay.
Highlights from 2021-2022

- Membership grew to over 850 members by March 2022
- Two live webinars produced
- First position statement published.
- Issued the first two volumes of Cardiovascular Genomics Insight — online news bulletin
Council on Cardiovascular Genomics Board 2019-2022

The Council on Cardiovascular Genomics Board includes representatives from related ESC Constituent Bodies and European societies:

- ESC Working Group on Aorta and Peripheral Diseases - Guillaume Jondeau
- ESC Working Group on Atherosclerosis & Vascular Biology – Paul Evans
- ESC Working Group on Myocardial & Pericardial Diseases - Antonis Pantazis
- ESC Council on Basic Cardiovascular Science – Johannes Waltenberger
- Association for European Paediatric Cardiology (AEPC) - Juan Kaski
- European Society of Human Genetics (ESHG) – Bart Loeys
Membership

The Council aims to encourage research, education and the sharing of genomic knowledge and to accelerate the translation of genomic discoveries into clinical practice. By March 2022, the Council had attracted over 850 members from multiple disciplines.

Congress

Joint Sessions

In April 2021 the Council was involved in a joint session during ESC Preventive Cardiology Congress 2021:

Genetic testing to assess and manage cardiovascular risk

ESC Congress 2021

The Council also contributed to the scientific programme of ESC Congress 2021 – a digital experience.

Meet the Experts: genetic variants in cardiovascular disease – what clinicians need to know
What does science teach us about life with genetic heart disease?

Education

Scientific Documents

In 2020-2021 the Council published its first position statement.


Further scientific documents are under development.

Utility of Genetic Risk Scores for Prediction of Coronary Artery Disease. A position statement of the ESC Council on Cardiovascular Genomics, the ESC Cardiovascular Risk Prediction Unit and the European Association of Preventive Cardiology (EAPC)
Webinars
The Council on Cardiovascular Genomics organised the following webinars in 2021-2022

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<thead>
<tr>
<th>Date</th>
<th>Title</th>
<th>Presenters</th>
<th>Host</th>
<th>Attendees</th>
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<tr>
<td>February 2022</td>
<td>Preimplantation genetic diagnosis and pregnancy in inherited cardiovascular disease</td>
<td>Kristina Hermann Haugaa Bart Loeys</td>
<td>Perry Elliott</td>
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<td>March 2022</td>
<td>Polygenic risk scores: what is their value for risk prediction and potential for clinical utility?</td>
<td>Riyaz Patel Michael Inouye Aniruddh Patel</td>
<td>Cornelia van Duijn Heribert Schunkert</td>
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Cardiovascular Genomics Insight

The Council’s Media Task Force’s have launched Cardiovascular Genomics Insight, a quarterly online bulletin providing useful information on a specific topic.

In 2021-2022 two volumes were released:

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<tr>
<td>Volume 1</td>
<td>October 2021</td>
<td>Cardiomyopathies</td>
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<td>Volume 2</td>
<td>January 2022</td>
<td>Sudden Cardiac Death in the Young</td>
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Different content types include Clinical Case Presentations, Commented Articles, How-To Articles, quizzes, and guest interviews.