



The British Society for Cardiovascular Research

Autumn Meeting 2022

Cardiac remodeling – basic mechanisms to clinical management

Dates: Monday 5th & Tuesday 6th September 2022

Venue: Wellcome-Wolfson Institute for Experimental Medicine
Queen's University Belfast
97 Lisburn Road
Belfast BT9 7AE

Organisers: David Grieve, Chris Watson, Lauren Kerrigan and Claire Tonry



Sunday 4th September 2022

19:00-21:00 Early Career Researchers Social @ Venue TBC

Monday 5th September 2022

EARLY CAREER SYMPOSIUM

08.30-9.00 Registration – Outer Atrium, Wellcome-Wolfson Institute

09.00-09.05 Welcome and Introduction
Lauren Kerrigan & Claire Tonry (Queen's University Belfast, UK)

Session 1 Academic career progression

Chair: Claire Tonry

09.05-09.25 Fellowship application process – funder perspective
Gaby Warpsinkski (BHF, UK)

09.25-09.40 Fellowship application – researcher perspective
Adriana Tavares (Edinburgh, UK)

09.40-10.00 Secret to publication success
Vesna Todorovic (Editor in Chief, Nature Cardiovascular Research)

10.00-10.20 Panel discussion
All speakers

10.20-10.50 COFFEE BREAK AND NETWORKING

Session 2 Innovation in cardiovascular research

Chair: Lauren Kerrigan

10.50-11.10 Introduction to AI/machine learning and application to cardiovascular disease
Aaron Peace (Ulster University, UK)

11.10-11.30 CRISPR-Cas technology in cardiovascular research
James Smith (University of East Anglia, UK)

11.30-11.50 Commercialising research
Dermot Tierney (AMPLIFY Discovery Limited, UK)

11.50-12.10 Spin-out success
Christina O'Neill (CEO, VascVersa, UK)

MAIN MEETING

10.30-12.30 BSCR committee meeting – Ground Floor Boardroom, Wellcome-Wolfson Institute

11.00-13.00 Registration – Outer Atrium, Wellcome-Wolfson Institute

12.00-13.00 LUNCH AND POSTERS

13.00-13.05 Welcome and Introduction
David Grieve (Queen's University Belfast, UK)

Session 1 Disease drivers of cardiac remodeling

Chairs: TBC

13.05-13.30 Post-ischaemic cardiac remodeling
Chris Loughrey (Glasgow, UK)

13.30-13.55 Diabetic cardiomyopathy
Genevieve Derumeaux (INSERM, Paris, France)

13.55-14.20 Hypertensive heart failure
Christian Delles (Glasgow, UK)

14.20-14.35 Selected Oral Abstract 1

14.35-15.05 COFFEE BREAK AND POSTERS

Session 2 The Bernard and Joan Marshall Research Prizes

Chair: Sanjay Sinha (Cambridge, UK)

15.05-15.10 Introduction

Early Career Investigator Prize

Judges: TBC

15.10-15.30 ECI Finalist 1

15.30-15.50 ECI Finalist 2

15.50-16.10 ECI Finalist 3

16.10-16.30 ECI Finalist 4

16.30-16.50 ECI Finalist 5

Distinguished Investigator Lecture

16.50-17.30 Extracellular matrix remodeling in heart failure
Merry Lindsey (University of Nebraska, US)

Session 3 Posters

Judges: TBC

- 17.30-19.00 Poster moderation and wine reception
- 19.30 BSCR conference dinner – Belfast City Hall
Presentation of BSCR Marshall prizes and poster prizes

Tuesday 6th September 2022

Session 4 Key signaling mechanisms underlying cardiac remodeling

Chairs: TBC

- 09.00-09.25 Coronary microvascular signaling
Neena Kalia (Birmingham, UK)
- 09.25-09.50 Fibroblast signaling and inflammation
Neil Turner (Leeds, UK)
- 09.50-10.15 Cardiomyocyte remodeling and apoptosis
Gavin Richardson (Newcastle, UK)
- 10.15-10.30 Selected Oral Abstract 2
- 10.30-11.00 COFFEE BREAK AND POSTERS

Session 5 Biomarkers and diagnosis of cardiac remodeling

Chairs: TBC

- 11.00-11.25 Imaging-based heart failure diagnosis
Dana Dawson (Aberdeen, UK)
- 11.25-11.50 Protein-based biomarkers for heart failure and cardiac remodeling
Leong Ng (Leicester, UK)
- 11.50-12.15 Non-coding RNAs as circulating biomarkers and mediators of cardiac dysfunction
Manuel Mayr (King's College London, UK)
- 12.15-12.30 Selected Oral Abstract 3
- 12.30-13.00 BSCR AGM
- 13.00-13.45 LUNCH AND POSTERS

Session 6 Emerging therapeutics for cardiac remodeling

Chairs: TBC

- 13.45-14.10 RNA targets for cardiac remodeling
Eva van Rooij (Utrecht, Netherlands)
- 14.10-14.35 SGLT2 inhibitors and cardiac remodeling and beyond
Chim Lang (Dundee, UK)
- 14.35-15.00 Entresto in pre-heart failure: insights from PARABLE
Mark Ledwidge (University College Dublin, Ireland)
- 15.00-15.15 Selected Oral Abstract 4

Keynote lecture

Chair: TBC

- 15.15-16.00 miRNA therapeutics and biomarkers: insights from first human studies
Thomas Thum (Hannover, Germany)
- 16.00-16.15 Concluding remarks and meeting close