World Heart Federation Salim Yusuf Emerging Leaders Think Tank seminar
13 – 18 October 2019, London, UK
Theme – Heart failure and digital health approaches

Venue: Missenden Abbey, Great Missenden, Buckinghamshire, UK

Pre-seminar reading

- Global Public Health Burden of Heart Failure
- Epidemiology and aetiology of heart failure
- Maintaining Cardiovascular Health in the Digital Era, European Heart Journal, 2019
- AI in Cardiology, American College of Cardiology
- High performance medicine-convergence of human and artificial intelligence, Nature
- World Heart Federation Heart Failure Roadmap
- Bridging the Global Digital Health Divide for Cardiovascular Disease

Sunday October 13, 2019

Participants arrive

19:00  Welcome: Welcome and Introductions
Dining room  Amitava Banerjee, University College London, UK
Dinner Talk: Heart failure: a global view
David Wood, WHF Immediate Past President and Imperial College London, UK

Monday October 14, 2019: INTRODUCTION AND IMPLEMENTATION SCIENCE

Pre-reading

How do we ensure that innovation in health service delivery and organization is implemented, sustained and spread?
Reducing Cardiovascular Disparities Through Community-Engaged Implementation Research
Global Cardiovascular Research Training for Implementation Science, Health Systems Research, and Health Policy Research

08:30-08:45  Background: Programme and seminar overview
Room: Barn Hall  Amitava Banerjee, University College London, UK

08:45-09:30  Background: World Heart Federation, Emerging Leaders, Roadmaps and summary of HF Roadmap
Room: Barn Hall  Pablo Perel, London School of Hygiene and Tropical Medicine, UK
Sarah Kraus, Emerging Leaders 2017
9:30-10:45  
**Frameworks for health system research: lessons for HF**  
*Adrianna Murphy, London School of Hygiene and Tropical Medicine, UK*

10:15-10:45  
**Tea/coffee break**  
Room: Upper coffee gallery

10:45-11:30  
**Innovation and frameworks for development and evaluation**  
*Ellen Nolte, London School of Hygiene and Tropical Medicine, UK*

11:30-12:15  
**DCP3 for HF**  
*Mark Huffman, Northwestern University, USA*

12:15-13:15  
**Lunch**  
Room: Dining room

13:15-14:15  
**Small group exercise: Project development**  
*The purpose of this small group activity is to develop a project/proposal idea that will form the basis of their shared grant protocol/project for the seminar (using brainwriting format).*

14:15-14:45  
**Large group exercise: Share initial project ideas with the group**  
Room: Barn Hall

14:45-15:15  
**Tea/coffee break + group photo**  
Room: Upper coffee gallery

15:15-16:00  
**Small group exercise: Project development**  
*The purpose of this small group activity is to develop a project/proposal idea that will form the basis of their shared grant protocol/project for the seminar (using brainwriting format).*

16:00-16:45  
**Small group exercise: Respond to feedback**  
*The purpose of this activity is for groups to start writing their protocol/strategies, including activities, roles, timelines, and process indicators.*

16:45-17:15  
**Leadership: Creating the biggest possibility**  
The purpose of this activity is for Emerging Leaders to create their biggest possibility as global health leaders  
*Fausto Pinto, WHF President-Elect and University of Lisbon, Portugal*  
*Jean-Luc Eisele, WHF CEO, Switzerland*  
*David Wood, WHF Immediate Past President and Imperial College London, UK*

17:15  
**Adjourn**
**Pre-reading**

- Global mortality variations in patients with heart failure: results from the International Congestive Heart Failure (INTER-CHF) prospective cohort study
- Socioeconomic status and risk of cardiovascular disease in 20 low-income, middle-income, and high-income countries: the Prospective Urban Rural Epidemiologic (PURE) study
- Digital health: a path to validation

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<tr>
<th>Time</th>
<th>Event</th>
<th>Room</th>
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<tbody>
<tr>
<td>08:30-09:15</td>
<td>Digital health-definitions, WHO guidance, opportunities and risks? HF monitoring/diagnosis/frameworks</td>
<td>Barn Hall</td>
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<td>Amitava Banerjee, University College London, UK</td>
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<td>09:15-09:45</td>
<td>Heart failure in Africa</td>
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<td>Dike Ojji, University of Abuja, Nigeria, and Emerging Leader 2014</td>
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<td>09:45-10:15</td>
<td>Preventing and managing heart failure in peripartum women</td>
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<td>Karen Sliwa, WHF President and University of Cape Town, South Africa</td>
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<td>10:15-10:45</td>
<td>Tea/coffee break</td>
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<td>10:45-11:30</td>
<td>Capitalising on ehealth and big data opportunities, and translation into practice to improve heart failure outcomes: OPTIMISE, WE-HEALTH</td>
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<td>Martin Cowie, Imperial College London, UK</td>
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<td>11:30-12:15</td>
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<td>Lunch</td>
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<td>13:15-14:00</td>
<td>Communications and advocacy</td>
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<td>Borjana Pervan, WHF Director of Communications, Switzerland</td>
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<td>Progress report and troubleshooting</td>
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<td>Adjourn</td>
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Wednesday October 16, 2019 (N.B. WHF Executive Committee meeting am 16/10/19): HEALTH SYSTEMS

Pre-reading:

Polypills: essential medicines for cardiovascular disease secondary prevention?
Non-communicable disease syndemics: poverty, depression, and diabetes among low-income populations.

08:30-09:30 Building a global research program into CVD prevention and treatment – explorations from a 40-year journey of stumbling and findings
Salim Yusuf, Population Health Research Institute, McMaster University and WHF Past President

09:30-10:15 Innovation and heart failure-opportunities in South Asia
Dorairaj Prabhakaran, Public Health Foundation of India, India

10:15-10:45 Tea/coffee break

10:45-11:30 Essential medicines and diagnostics
Mark Huffman, Northwestern University, USA

11:30-12:15 Group work: Developing protocols/strategies

12:15-13:15 Lunch

14:15-15:45 Travel to London

16:30-18:00 Health policy and heart failure research symposium, British Heart Foundation

16:30-16:45 Opening Ceremony and Welcome Speech
Host: Metin Avkiran, Associate Medical Director of BHF, UK
Speakers: David Wood, WHF Immediate Past President and Imperial College London, UK

16:45-17:00 Keynote Speech
Global approaches to HF
Karen Sliwa, WHF President and University of Cape Town, South Africa

17:00-17:15 Keynote Speech
Combining research and practice in the big data era- the UK perspective
Harry Hemingway, University College London, UK

17:15-18:00 Panel on Health Policy and Heart Failure
Moderator: Amitava Banerjee, University College London, UK
Speakers: Fausto Pinto, WHF President-Elect and University of Lisbon, Portugal
Harry Hemingway, University College London, UK
Karen Sliwa, WHF President and University of Cape Town, South Africa

18.00-18:30 Drinks reception
18.30-19.30  Transfer from BHF to London Bridge area
19.30-21.00  Visit the Old Operating Theatre Museum & Herb Garret
21.00-22.00  Dinner
22:00  Travel back to venue

Thursday October 17, 2019: HEART FAILURE IN THE BROADER CONTEXT (N.B. WHF Science Committee Meeting)

Pre-reading

Big data from electronic health records for early and late translational cardiovascular research: challenges and potential.

Using patient data for patients' benefit.

Passive data collection and use in healthcare: A systematic review of ethical issues.

09:00-9:30  HF and big data insights across primary and secondary prevention
Room: Barn Hall  
Amitava Banerjee, University College London, UK

9:30-10:15  Discussion forum about big data opportunities in HF
Room: Barn Hall  
Led by Amitava Banerjee, University College London, UK, and Pablo Perel, London School of Hygiene and Tropical Medicine, UK

10:15-10:45  Tea/coffee break
Room: Upper coffee gallery

10:45-11:30  Patient and public engagement in HF in the digital era
Room: Barn Hall  
Natalie Banner, Understanding Patient Data, UK

11:30-12:15  Data-driven vs patient-centred vs public-engaged-Contradictions in the digital era?
Room: Barn Hall  
Discussion forum led by Natalie Banner, Understanding Patient Data, UK, and Natalie Fitzpatrick, Patient and Public Engagement and Involvement Lead – UCL, UK

12:15-13:15  Lunch
Dining room

13:15-14:00  Progress report and troubleshooting
Room: Barn Hall  
Amitava Banerjee, University College London, UK  
Discussion in large groups to report on progress and feedback

14:00-15:45  Small group exercise: Drafting written protocols/strategies
The purpose of this activity is for groups to start writing their protocol/strategies, including activities, roles, timelines, and process indicators.

15:45-16:00  Tea/coffee break
Room: Upper coffee gallery

16:00-17:00  Small group exercise: Drafting written protocols/strategies
The purpose of this activity is for groups to start writing their protocol/strategies, including activities, roles, timelines, and process indicators.

17:00  Adjourn
Friday October 18, 2019

Pre-reading

How to make a great presentation

9:00-9:30 Presentation set-up
Room: Barn Hall

9:30-10:15 Presentation Group #1
Room: Barn Hall 20-minute presentation; 25-minute Q&A with feedback

10:15-10:45 Tea/coffee break
Room: Upper coffee gallery

10:45-11:30 Presentation Group #2
Room: Barn Hall 20-minute presentation; 25-minute Q&A with feedback

11:30-12:15 Presentation Group #3
Room: Barn Hall 20-minute presentation; 25-minute Q&A with feedback

12:15-13:15 Graduation lunch
Dining room

13:15-14:30 Small group exercise: Incorporating verbal feedback into written protocols/strategies
The purpose of this activity is to incorporate feedback during oral presentations into written protocols/strategies and proposals and to submit the final proposals before departure.

2:30 pm Adjourn

POTENTIAL PROJECTS

PC-HF: Primary care diagnosis of HF (e.g. neglected settings, HF in women, in relation to TB)

COMM-HF: Use of community-based monitoring for chronic HF management

POLICY-HF: Health system and health policy lens for HF: e.g. essential medicines list, roadmap