



Basic Science Summer School

14 June 2015 – 18 June 2015, European Heart House, Sophia Antipolis, France

Course Directors

Jeremy Pearson (UK), David Garcia-Dorado (SP), Jolanda van der Velden (NL), Sarah George (UK)

Preliminary Programme

Sunday 14th June

- 18.00 Welcome – Course Directors
18.15 Opening keynote plenary lecture

Monday 15th June

Session I: **Ischaemia and reperfusion injury**

- 09.00 **Mechanisms** – Pasquale Pagliaro (Turin, IT)
09.45 **Therapeutic opportunities** – David Garcia-Dorado (Barcelona, SP)

10.30 Coffee break – poster area

Session II: **Therapeutic angiogenesis**

- 11.00 **Basic concepts of blood vessel growth** – Holger Gerhardt (London, UK)
11.45 **The complexities of therapeutic translation** – Ian Zachary (London, UK)

12.30 Lunch Boxes – poster area – meet the faculty

Session III: **Novel regulatory networks**

- 13.30 **Microvesicles** – Françoise Dignat-George (Marseille, FR)
14.15 **miRNAs** – Eva van Rooij (Utrecht, NL)

15.00 Short break

Session IV: **Building your career [1]**

- 15.15 **Achieving the transition to personal fellowship and group leader** – Nicola Smart (Oxford, UK)
16.00 **Scientific papers: the publisher's perspective** – Helen Liepman (OUP, Senior publishing editor for the ESC journals)
17.00-19.00 Poster area – discussion of odd-numbered posters, with refreshments

Tuesday 16th June

- Session V: **Inflammation and immunity in cardiovascular pathophysiology**
- 09.00 **Immune modulation of atherosclerosis: potential for future therapies** – Christoph Binder (Vienna, AU)
- 09.45 **Inflammation in heart failure: implications for treatment** – Carsten Tschöpe (Berlin, DE)
- 10.30 Coffee Break – poster area
- Session VI: **Vulnerable plaque**
- 11.00 **Pathogenesis** – Sarah George (Bristol, UK)
- 11.45 **Imaging** – Constantin von Zur Mühlen (Freiburg, GE)
- 12.30 Lunch Boxes – poster area – meet the faculty
- Session VII: **Leukocyte traffic**
- 13.30 **Molecular pathways regulating adhesion and migration** – Barbara Walzog (Munich, GE)
- 14.15 **In vivo tracking of leukocyte behaviour** – Mia Phillipson (Uppsala, SW)
- 15.00 Short break
- Session VIII: **How and why pharma and academia collaborate to develop new medicines**
- 15.15 *Possible speakers:* Lars Meier, Nick Alp, Luiz Belardinelli, etc
- 15.45 John Lepore (GSK, Boston, US)
- 16.15-18.00 **Personal discussions with industry representatives**
- 16.15-18.00 Refreshments – poster area – meet the faculty

Wednesday 17th June

- Session IX: **Atrial Fibrillation**
- 09.00 **Underlying mechanisms** – Ulrich Schotten (Maastricht, NL)
- 09.45 **Current and future treatment options** – Samuel Sossala (Göttingen, GE) [SoT]
- 10.30 Coffee Break – poster area
- Session X: **Inherited heart conditions**
- 11.00 **Channelopathies: the biology and future treatment options** – Eric Schulze-Bahr (Münster, GE)
- 11.45 **Cardiomyopathies: the biology and future treatment options** – Jolanda van der Velden (Amsterdam, NL)
- 12.30 Lunch Boxes – poster area – meet the faculty
- Session XI: **Cardiovascular regenerative medicine**
- 13.30 **Heart development: implications for regeneration** – Nicola Smart (Oxford, UK)
- 14.15 **Engineering the solution** – Thomas Eschenhagen (Hamburg, GE)
- 15.00 Short break

- Session XII: **Building your career [2]**
15.15 **Open session to question panel members and faculty about any aspect of building your career**
Panel: Jeremy Pearson (chair); Samuel Sossala; Nicola Smart; Sarah George; Jolanda van der Welden; David Garcia-Dorado
17.00-19.00 Poster area – discussion of even-numbered posters, with refreshments
20.30 Participants dinner

Thursday 18th June

- Session XIII: **Converting medical innovation into clinical practice**
09.00 Short presentations highlighting strategies, plus case studies to highlight the critical steps in the process
Pearson / Lepore / Garcia-Dorado / etc ?
10.00 Coffee Break
- Session XIV: **Stargazing: the implications of universal whole genome sequencing**
10.30 **Making sense of big data** – Tim Frayling (Exeter, UK)
11.15 **Personalized medicine** – Thomas Eschenhagen (Hamburg, GE)
12.00 Closing keynote plenary lecture - [Peter Libby \(Boston, US\)](#)