# ECCR 2022 meeting – Sep 30<sup>th</sup> to Oct 2<sup>nd</sup>, 2022

## Friday 30th September

14:00: Opening

14:10 – 15:30h: Session 1: New insights into vascular pathophysiology

Moderators: Carmine Savoia, Muscha Steckelings

- Alexandre Persu (Belgium) Urine proteome biomarkers in fibromuscular displasia
- Claudia Agabiti-Rosei (Italy) New non-invasive methods to evaluate microvascular structure and function
- **Cristina Rodríguez (Spain)** Novel pharmacological approaches in abdominal aortic aneurysm: Insights from NR4A3 transgenic mice
- Christian Aalkjaer (Denmark) Vascular and cardiac consequences of mutations in the Na,K-ATPase

15:30 – 16:30h: Session 2: Business meets academia

**Moderators:** Marko Poglitsch, Koen Reesink

• "Climate Change" Workshop

16:30 – 17:00h: **Break** 

17:00 – 17:30h: **Keynote lecture** 

Moderators: Marisol Fernández-Alfonso, Ana Briones

Tomasz J. Guzik (UK). Immune system and microvascular remodeling in humans

17:30 – 17:45h: **Break** 

17:45 – 19:05h Session 3: New targets in cardiovascular disease

Moderators: Mª Christina Zennaro, Matthias Barton

- Enno Klussman (Germany) Phosphodiesterase 3A and arterial hypertension
- Michael Bader (Germany) Central angiotensin in cardiovascular regulation and beyond
- **Teresa Seccia (Italy)** Peptidergic G protein—coupled receptor regulation of adrenal function: bench to bedside and back
- Oral Communication Igor Silva (Denmark) Proof of biological activity and exploration of early signaling events of angiotensin-(1-5)
- Oral Communication Abraham Merino López (Spain) Role of ISG15 in cardiac damage mediated by angiotensin II-induced hypertension

19:30h Dinner

#### Saturday, 1st October

9:00 – 10:10h: Session 4: MINDSHIFT session

Moderators: Koen Reesink and Thomas Unger

- Kai Wang (Netherlands) Metabolic drivers of hypertension: focus on the microcirculation
- May Fayad (France) Genetics and genomics of primary aldosteronism
- **Clement Byiringiro (Italy)** Optimized strategies for the screening and subtyping of the endocrine forms of hypertension
- **Rita Chamoun (Netherlands)** Development of a multi-scale integrative framework for subtyping hypertension

10:10 – 11:20h: Session 5: Covid-19 and cardiovascular complications

Moderators: Michael Bader, Teresa Seccia

- **Francisco Rios (Canada)** Vascular dysfunction mediated by inflammatory response associated with SARS-CoV-2 infection
- Augusto Montezano (Canada) A new role for ACE2 in SARS-CoV-2-induced endothelitis.
- Betty Raman (UK) Current imaging recommendations in long COVID
- Oral Communication Francesca Salvotti (Italy) Treatment with ACE-inhibitors and angiotensin receptor blockers (ARBs) has no impact on outcome nor on long term consequences in COVID-19 patients with moderate to severe pneumonia

11:20 – 11:50h: **Break** 

11:50 – 12:50h: Session 6: Artery-ECCR joint session

Moderators: Carmine Savoia, Thomas Unger

- Pedro Miguel Guimarães Marques Cunha (Portugal) Dementia and cognitive decline A cross talk between micro and macrocirculation
- **Veronique Regnault (France)** -The links between immuno-inflammation and hemostasis in acute and chronic vascular diseases
- Patrick Lacolley (France) Molecular aspects of vascular aging and senescence

13:00 – 14:00h: Lunch

14:00 – 15:00h: Session 7: Oral Communications

Moderators: Marta Gil-Ortega, Augusto Montezano

- Nicolo Faedda (France) Vascular and hormonal interactions in primary aldosteronism
- **Jithin Kuriakose (Scotland)** Promoting Mas1R:ETBR interaction improves vascular function and lowers blood pressure in experimental hypertension
- **Berna Guven (Turkey)** Metabolic effects of carvedilol on control and HFpEF mouse heart and hypertrophied H9c2 Cells: the potential contribution of a biased agonist effect
- Marta Sanz-Gómez (Spain)- Aged Munich Wistar Frömter rat as a model of cardiorenal syndrome: from chronic kidney disease to cardiovascular impairment
- **Véronique Regnault (France)** Differential involvement of smooth muscle cells in pro- and antithrombotic activities of abdominal versus ascending aorta aneurysms in human

 Joakim A. Bastrup (Denmark) - Identification of novel ECM proteins associated with earlyonset hypertension by deep proteomic mapping of different arterial beds

15:00 – 16:00h Session 8: Early Career Research session

Moderators: Giacomo Rossitto, Francisco Rios

- Rhian Touyz (Canada) How to write a review
- Katriona Brooksbank (UK). As a scientist, how can we best engage with the public?
- **Gabriele Schiattarella (Germany)** Mechanisms of heart failure with preserved ejection fraction (HFpEF): lessons from mice to humans

16:00 – 16:30h: **Break** 

16:30 – 17:50 h: **Session 9: Clinical session** 

Moderators: Matthias Barton, Carmine Savoia

- Thomas Unger (Germany) Hypertension guidelines
- Christian Delles (UK) Renal artery stenosis and high blood pressure
- Carsten Tschöpe (Germany) HFpEF and hypertension: New insights
- Oral Communication Elvira Fanelli (Belgium) Short-term blood pressure variability in young and old hypertensive patients, compared with patients with autonomic neuropathy
- Oral Communication Domenico Bagordo (Italy) REnal Sympathetic DEnervation and Neuro-hormonal evaluation by selective venous Catheterization: the RESiDENCy study

17:50 - 18:20h: Presidential lecture

Moderators: Muscha Steckelings, Thomas Unger

 Marisol Fernández-Alfonso (Spain). What else can we do in the management of hypertension and cardiovascular risk?

18:20 - 19:00h: ECCR business meeting

19:30 Dinner and social activity

### Sunday, 2<sup>nd</sup> October

8:45 – 10:00h: **Poster session** 

Moderators: Martina Cebova, Francisco Ríos, Marta Gil-Ortega, Maria Christina Zennaro, Giacomo

Rossito, Ana Briones

10:00 – 11:20h: Session 10: ISH Women in Hypertension Research-ECCR joint session

Moderators: Muscha Steckelings, Christian Delles

- Paul Connelly (UK) Emerging evidence on cardiovascular disease in transgender people
- Pensee Wu (UK) Pregnancy complications and future maternal cardiovascular health
- **Carmen Diniz (Portugal)** Interplay between sympathetic nervous system and GPCRs in fetal programming of hypertension
- Matthias Barton (Switzerland) Sex-specific treatment of cardiovascular diseases

11:20 – 11:45h: **Break** 

11:45 – 13:00h: Session 11: Mentorship Open Forum: A Career Road Map

Moderators: Augusto Montezano, Ana Briones

- Michael Mulvany The ORPHEUS framework for PhD training.
- Round table ""A Career Roadmap". Tomasz Guzik, Michael Bader, Muscha Steckelings, Christian Aalkjaer, Michael Mulvany, Francisco Ríos, Marta Gil-Ortega, Giacomo Rossito

13:00 – 13:15h: Awards and close of meeting

## Supported by:

