



## Program focus

Built on the success of the ISN Nexus and Forefronts series, the ISN Frontiers meetings bring together basic scientists, clinicians and practitioners in a unique setting. This new event format makes more cutting-edge science available to a global audience, breaking down cross-regional barriers in accessing the latest knowledge and expertise.

The 2019 Frontiers meeting will focus on CPR - Cardio-Pulmonary-Renal interactions and their interdependence in disease. As a true cross-disciplinary event, the Frontiers 2019 will bring together professionals working in nephrology, cardiovascular and respiratory medicine and aims for the first time to bring the study and understanding of the three organs' systems together in terms of the epidemiology, physiology, pathophysiology, their inter-connections and therapeutics, with the kidney being the 'centerpiece' linking the three organs.

Through an interactive and high-quality scientific program, this meeting will:

- Present the latest cutting-edge science and innovation in kidney-heart-lung function and disease
- Increase awareness and recognize the interactions among the kidneys, the heart, and the lungs that can impact the development of systemic disease and co-morbidities
- Cultivate and develop novel concepts in the pathogenesis of kidney disease and its related complications associated with chronic kidney disease and transplantation in a wider context
- Foster cross-disciplinary research collaborations to further our understanding of the important connections between the kidneys, the heart, and lungs
- Stimulate new hypotheses for translational research and identify opportunities and targets for developing new therapeutics
- Encourage a more holistic view and approach to diseases affecting the three-organ system

For more information: [www.isnfrontiers.org/gothenburg/](http://www.isnfrontiers.org/gothenburg/)

Or contact us at [frontiers@theisn.org](mailto:frontiers@theisn.org)



## Confirmed speakers (provisional)

### Keynote

Jha, Vivekanand	India	Global kidney health-comorbidities
Macrae, Callum	USA	Overall view of the field and where we are going-broad overview of the field (s)
Pluznik, Jennifer	USA	Gastrorenal communication
Quaggin, Susan	USA	Renal microcirculation

### Speakers

Anderson, Gary	Australia	COPD and comorbidities
Betsholz, Christer	Sweden	Angiogenesis in a cardiovascular and kidney
Davies, Jamie	UK	Organoids as model systems of disease
Eckardt, Kai-Uwe	Germany	HIF/oxygen sensing
Francis, Susan	UK	MRI fundamentals and structural imaging
Gharavi, Ali	USA	Chronic kidney disease and genetics
Glorieux, Griet	Belgium	Uremic toxins and gut microbiota
Hockings, Paul	Sweden	Renal imaging
Hou, Fan Fan	China	Environmental pollution and kidney disease
Janes, Sam	UK	Lung regeneration
Karpman, Diana	Sweden	Renin and complement, inflammatory kidney disease
Lennon, Rachel	UK	Basement membrane biology in renal disease
Murphy, Michael	UK	Mitochondrial biology
Parikh, Chirag	USA	Biomarkers in disease
Pennell, Dudley	UK	Cardiac MRI advances
Romagnani, Paola	Italy	Renal cross talk and regenerative capacity
Rossing, Peter	Denmark	Diabetic nephropathy and hypertension
Stenvinkel, Peter	Sweden	Renal and cardiovascular function in hibernation
Szeto, Hazel	USA	Mitochondrial bioenergetics and therapeutics



## Chairs of the ISN Frontiers meeting

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Jenny Nyström (Sweden)  
Boye L. Jensen (Denmark)  
Angela Yee Moon Wang (Hong Kong)

## Scientific Program Committee

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Christer Betsholtz (Sweden)  
Rachel Chambers (UK), Gregor Guron (Sweden)  
Amir Lerman (USA)  
David Long (UK)  
Karl Swedberg (Sweden)  
Anders Ullman (Sweden), Chris Wilcox (USA)  
Derek Yellon (UK)