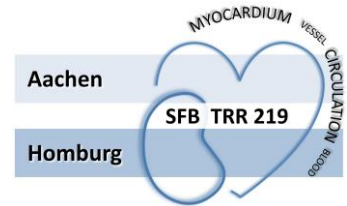


Joint winterschool of the Eutox, ESAO and the SFB/TRR219 IRTG



Contact/Organizer

University Hospital RWTH Aachen
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Organization

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Preliminary programme, Naples,
Italy, 1-3 March 2022

Emerging and future technologies to remove uremic toxins: tackling cardiovascular complications in kidney failure

Did you know that since the discovery of dialysis the technology has not innovated that much? But that the number of patients, with associated comorbidities like cardiovascular diseases is incredibly rising? This course is meant for future scientists in experimental nephrology and cardiovascular diseases, and will equip you with the knowledge needed to make a change for kidney patients through accelerating trends in dialysis technology, regenerative nephrology and artificial intelligence. The course is meant for PhD students and young postdocs with a background in biomedical, technological or pharmaceutical sciences and concerns diverse trainings and workshop activities along with some social events.

Joint winterschool of the Eutox, ESAO and the SFB/TRR219 IRTG:

Meeting venue

Hotel Royal Continental

Via Partenope 38/44

I-80121 Napoli

Italy

Program Winter School March 2022

Monday, 28 February 2022

Arrival and check-in

Sponsoring

Day 1: 1 March 2022 - Opening and introduction

Moderator: Prof. Dr. Roos Masereeuw

- 08.30 - 09.00 Introduction to the Winterschool
Prof. Dr. Alessandra Perna
- 09.00 - 09.30 Introduction to ESAO and the EUTOX working group
Prof. Dr. Joachim Jankowski
- 09.30 - 09.45 Introduction to IRTG
PD. Dr. Claudia Goettsch
- 09.45 - 10.00 Introduction to group assignments
Prof. Dr. Roos Masereeuw
- 10.00 - 12.30 Who is who: Speed-dating!
Prof. Dr. Pieter Evenepoel

12.30 - 13.30 Lunch at the poster session (each PhD-student presents)

The basics: the kidney and its pathological crosstalk with the heart

Moderator: Prof. Dr. Joachim Jankowski

- 13.30 - 14.00 Epidemiology
Prof. Dr. Alberto Ortiz
- 14.00 - 14.30 Glomerular disease
Prof. Dr. Jürgen Floege
- 14.30 - 15.00 Tour along the nephron: basic
Prof. Dr. Stéphane Burtey
- 15.00 - 15.30 Tour along the nephron: clinical
Prof. Dr. Mariano Rodriguez
- 15.30 - 16.30 Physical break: Walking or running the beach**
- 16.30 - 17.00 Cardiovascular disease in CKD
Prof. Dr. Angel Argiles
- 17.00 - 17.30 Impact of posttranslational modification on CKD and CVD
Prof. Dr. Vera Jankowski
- 17.30 - 18.00 Increased thrombotic and bleeding risk in CKD
PD Dr. Heidi Noels

18.00 – 19.30 Dinner

Active learning – session

Moderator: PD Dr. Claudia Götsch

- 19.30 - 19.45 Introduction
Prof. Dr. Roos Masereeuw
- 19.45 - 21.00 Group assignments: 'Innovation in artificial kidney'
Dr. Markus Storr, Dr. Andreas Gmerek, Dr. Christoph Moore
- 21.00 - 22.00 Presentations Groups
- 22.00 End

Day 2: 2 March 2022 - Kidney failure: consequences and treatments

Moderator: PD Dr. Heidi Noels

08.30 - 09.15 Vascular calcification
PD Dr. Claudia Goettsch

09.15 - 10.00 Dialysis
Prof. Dr. Pieter Evenepoel

10.00 - 10.30 Tea & coffee break (discussion at posters)

10.30 - 11.15 Kidney transplantation
Prof. Dr. Goce Spasovski

11.15 - 11.45 Patient interview
Prof. Dr. Roos Masereeuw

12.00 – 13.00 Lunch at the poster session (each PhD-student presents)

Active learning – session 2: Pitch your grant

Moderator: Prof. Dr. Alessandra Perna

13.00 - 13.30 How to pitch a successful grant
Prof. Dr. Antonia Vlahou

13.30 - 15.00 Group assignment: write a high risk/high gain grant

15.00 - 16.00 Walking or running the beach

16.00 - 17.00 Keynote lecture: Kidney health and the EU: the end of the tunnel?
Prof. Dr. Raymond Vanholder

17.00 – 22.00 Visit Ercolano + diner

Day 3: 3 March 2022 - Emerging technologies

Moderator: Prof. Dr. Angel Argiles

09.15 - 10.00 Biomaterials in nephrology
Prof. Dr. Dimitrios Stamatialis

10.15 - 10.45 Regenerative nephrology
Prof. Dr. Paolo Romagnì

10.45 - 11.00 Short break

11.00 - 11.30 Artificial intelligence for nephrology
Prof. Dr. Peter Boor

11.30 - 12.00 Genetics: rare diseases
Prof. Dr. Francesco Trepiccione

12.00 – 13.00 Lunch at the poster session (each PhD-student presents)

Research Mini symposium: Kidney-Heart crosstalk & Emerging technologies

Moderator: Prof. Dr. Vera Jankowski

13.00 - 13.30 Comorbidities heart-kidney axis: towards insight into molecular mechanisms
Prof. Dr. Joachim Jankowski

13.30 - 14.00 Medical devices: regulation
Dr. Markus Storr

14.00 - 14.30 Novel technologies for treatment of renal failure
Dr. Dorothea Piecha

14.30 - 15.00 New development in plasmapheresis
Dr. Andreas Gmerek (B Braun)

15.00 – 15.15 Tea and coffee break

15.15 – 16.30 3 Presentation of participants based on submitted abstract

