



# Join Radboud Summer School 2019!

The Ins and Outs of Kidneys: from Physiomics to Transplantation

*change perspective*

Radboud University



# The Ins and Outs of Kidneys: from Physiomics to Transplantation

In the 1960s, people with kidney failure had little hope of survival. Dialysis was considered an extraordinary treatment and restricted to very few. Transplantation was still experimental. The rise in incidence of patients with chronic kidney disease worldwide is seen as a major health burden. Over the last decades, the technical level of research is much higher and the field of renal research uses exciting state-of-the-art methods to uncover new mechanisms in renal physiology and pathophysiology. New insights in renal research has led to a new approach to treating kidney diseases and the renal complications of diabetes. Advances in surgical techniques and immunosuppression have made kidney transplantation a more cost-effective alternative to dialysis.

This course will be organized around renal research in general and the actual research at Nijmegen Radboudumc in particular, examining all aspects of kidney function. During the course you will take part in interactive lectures about each topic, combined with practicals on modern molecular techniques. You will be provided with hands-on demonstration at research labs and will be able to visit a modern renal dialysis unit at the hospital. After completing this course, you should have gained a basic understanding of renal research, be able to understand the molecular techniques behind renal research and apply the principles of renal mechanisms to the understanding and treatment of kidney diseases.

## After this course you are able to

- Understand renal physiology in depth
- Understand molecular techniques employed in renal research and interpret experimental results
- Interpret the latest insights in nephrology, hypertension, dialysis and transplantation
- Explain the mechanisms behind kidney disorders, hypertension and channelopathies

## Number of EC

2 ECTS credits

## Entry level

Master, PhD and Postdoc

## Course leader

Jojanneke Kooij, Lecturer  
Physiology, Radboudumc



### **For whom is this course designed**

- Master's students in medicine, biomedical sciences, biology or related disciplines.
- Aspiring and early stage PhD students and postdocs who are currently working or are planning to start working in the field of renal research.

### **You can find more details about this course on our website**

#### **Course date**

Monday 1 July - Friday 5 July 2019

#### **Course fee**

€ 500

#### **Deadline application**

1 May 2019

### **Apply now!**



#### **Discounts**

- 10% discount for early bird applicants. The early bird deadline is 1 March 2019.
- 15% discount for students and PhD candidates from partner universities.

Please note that these discounts can be combined if you apply before 1 March 2019.



# What is the RSS experience?

## **RSS is more than just a course!**

Radboud Summer School offers you a unique opportunity to meet other students and researchers from all over the world with different cultural and academic backgrounds. You will also get to know Radboud University and the city of Nijmegen.

Our social programme includes a welcome reception, guest lecture and farewell drinks. And for a small fee you can join our BBQ, River Cruise on a pancake boat, a Pub Quiz, Sports Activities or a City Game.

## **Want to know more?**

Have a look at what participants have said about their experience on our website!



## **Contact**

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