

## PhD course CVR

# Innovations in clinical cardiovascular medicine

**Goal:**

From bench to bedside sounds like the ideal research that brings an idea based on any need in the clinic, via experiments at the bench in the lab, into the clinic. A new research line often starts in the clinic, after a discussion about possible improvements and necessary developments in tools or techniques. In recent years some of these 'wild' ideas really made it into the everyday clinic routine of cardiology.

The aim of this course is to show PhD candidates that daily measurements and routines in the clinical cardiology department nowadays, once started with an idea of possible improvement and /or experiments at the bench. It is often in the clinic, right next to the patient that research questions rise. This course will bring the researcher in contact with the clinical needs and most recent improvements in the clinical cardiology and technology.

**Course set up:**

The course will consist of 10 theoretical lectures and in addition there will be three visits to the 1) cath-lab, 2) Operation Room, 3) outpatient clinic or radiology department or echocardiography laboratory. The participants will prepare for the lectures by reading a landmark paper covering the topics. And they will write a small report about their clinical visits.

**Language:**

The course is given in English.

**Certificate:**

To qualify for the certificate and 3 ECTS, participants must attend at least 80% of the lectures (i.e. 8 out of 10), all site visits and complete all assignments satisfactorily. Attendance will be registered.

**Number of participants:**

Maximum 20 per course. All PhD candidates can register, however if more than 20 persons register, the organization reserves the rights to make a selection.

**Costs:**

No charge for PhD candidates registered with one of the PhD programmes of the Graduate School of Life Sciences of Utrecht University.

**Course coordinators:**

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**Registration:**

Send an email to: [m.f.a.bierhuizen@umcutrecht.nl](mailto:m.f.a.bierhuizen@umcutrecht.nl)

## Schedule 2018-2019

<b>Date</b>	<b>Time</b>	<b>Lecturer and Lecture Title</b>
18-10-2018	09.00 - 10.45	1. Developments in Percutaneous Coronary interventions and refractory angina - dr. L. Timmers
25-10-2018	09.00 - 10.45	2. Advanced imaging techniques (MRI, 3D echocardiography) in Cardiology - dr. A. Teske / dr S. Chamuleau
1-11-2018	09.00 - 10.45	3. Left ventricular assist devices and heart transplantation - dr. F. Ramjankhan / dr. M Buijsrogge
22-11-2018	09.00 - 10.45	4. Percutaneous valvular procedures - dr. A. Kraaijeveld
6-12-2018	09.00 - 10.45	5. Latest advancements in vascular surgery and peripheral interventions - dr. S.J. Hazenberg
20-12-2018	09.00 - 10.45	6. Innovation and valorization in cardiovascular research - dr. P.F. Grundeman
10-1-2019	09.00 - 10.45	7. Latest advancements in hypertension treatment - dr. W. Spiering
24-1-2019	09.00 - 10.45	8. Novelties in electrophysiology - dr. R. Hassink
7-2-2019	09.00 - 10.45	9. Percutaneous intervention in GUCH patients - dr. M. Voskuil
21-2-2019	09.00 - 10.45	10. Minimal invasive cardiac-thoracic surgery technique - prof. W. Suyker