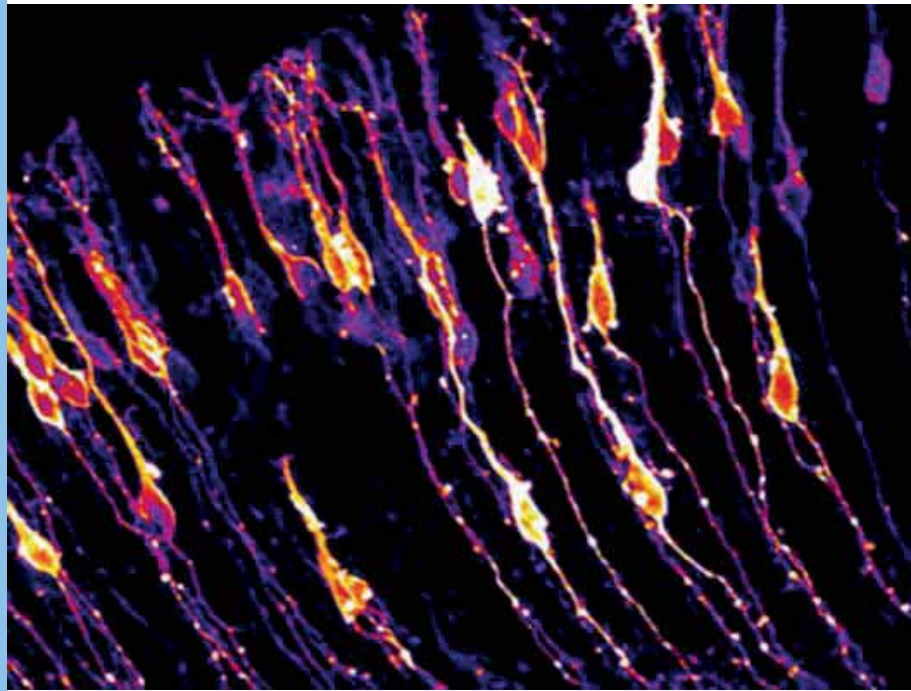


# Neural Circuit Development and Plasticity

13 July 2015 - 17 July 2015



## Organizers:

Casper Hoogenraad  
Corette Wierenga  
Jeroen Pasterkamp  
Lukas Kapitein

## About

The summer school will teach students in recent advances in neural circuit development and plasticity from an interdisciplinary perspective.

## Registration

Deadline: 15 May 2015  
[www.utrechtsummerschool.nl](http://www.utrechtsummerschool.nl)

Registration fee:  
€ 550 Course + course materials + housing  
€ 350 Course + course materials

## Schedule

Morning: 3 lectures (3 x 1 hour)  
Afternoon: workshops given by the morning speakers

## Location

David de Wiedgebouw  
Lecture room 1.22  
Universiteitsweg 99, Utrecht

## Lecturers:

- |         |   |         |   |
|---------|---|---------|---|
| 13 July | <b>Basic principles of neuronal development and function</b><br>Lectures by the organizers                    | 16 July | <b>Neuronal signaling</b><br>Phillip Gordon-Weeks (UK)<br>Michael Kreutz (DE)<br>Annie Andrieux (FR)                            |
| 14 July | <b>Biophysics in neuroscience</b><br>Olivier Thoumine (FR)<br>Matthew Kennedy (US)<br>Melike Lakadamyali (ES) | 17 July | <b>Synaptic plasticity</b><br>Alberto Bacci (FR)<br>† Dominique Müller (CH)<br>Anthony Holtmaat (CH)<br>Louk Vanderschuren (NL) |
| 15 July | <b>Axon growth and guidance</b><br>Eloisa Herrera (ES)<br>Robert Hindges (UK)<br>Uwe Drescher (UK)            |         |   |



Universiteit Utrecht

NGUtrecht



University Medical Center  
Utrecht

FENS  
Federation of European Neuroscience Societies

## Summerschool 2015: “Neural circuit development and plasticity”

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### Course organization:

Name	Affiliation	Function
Prof. dr. C.C. Hoogenraad	UU	Director
Dr. C.J. Wierenga	UU	Co-director
Prof. dr. R.J. Pasterkamp	UMCU	
Dr. L. Kapitein	UU	

### Location – **please notice change of location!!**

All lectures and workshops on Monday and Wednesday to Friday will take place in lecture room 1.22 in the David de Wied building, Universiteitsweg 99, 3584 CG Utrecht.

### Daily schedule

#### Monday 13 July 2015

##### Lectures by the organizers ‘Basic principles of neuronal development and function’

Organizer: Casper Hoogenraad

09:00 – 09:15 hr general introduction

09:15 – 10:00 hr Lukas Kapitein

10:00 – 10:45 hr Jeroen Pasterkamp

10:45 – 11:00 hr coffee

11:00 – 11:45 hr Casper Hoogenraad

11:45 – 12:30 hr Corette Wierenga

12:30 – 14:00 hr Lunch with speakers

14:00 – 16:00 hr Workshop: ‘meet the scientist’

16:00 – 21:00 hr welcome BBQ (on the grass in front of the Kruytbuilding)

#### Tuesday 14 July 2015

##### ‘Biophysics in Neuroscience’

Organizer: Lukas Kapitein

09:00 hr introduction of the topic/speakers by the organizer

09:00 – 10:00 hr Olivier Thoumine (FR)

10:00 – 10:30 hr coffee

10:30 – 11:30 hr Matthew Kennedy (US)

11:30 – 12:30 hr Melike Lakadamyali (ES)

12:30 – 14:00 hr Lunch with speakers

14:00 – 17:00 hr Workshop

#### Wednesday 15 July 2015

##### ‘Axon growth and guidance’

Organizer: Jeroen Pasterkamp

09:00 hr introduction of the topic/speakers by the organizer

09:00 – 10:00 hr Eloisa Herrera (ES)

10:00 – 10:30 hr coffee

10:30 – 11:30 hr Robert Hindges (UK)  
 11:30 – 12:30 hr Uwe Drescher (UK)  
 12:30 – 14:00 hr Lunch with speakers  
 14:00 – 17:00 hr Workshop

#### Thursday 16 July 2015

##### 'Mechanisms of neuronal signaling'

Organizer: Casper Hoogenraad

09:00 hr introduction of the topic/speakers by the organizer  
 09:00 – 10:00 hr Phillip Gordon-Weeks (UK)  
 10:00 – 10:30 hr coffee  
 10:30 – 11:30 hr Michael Kreutz (DE)  
 11:30 – 12:30 hr Annie Andrieux (FR)  
 12:30 – 14:00 hr Lunch with speakers  
 14:00 – 17:00 hr Workshop

#### Friday 17 July 2015

##### 'Synaptic plasticity'

Organizer: Corette Wierenga

09:00 hr introduction of the topic/speakers by the organizer  
 09:30 – 10:00 hr Alberto Bacci (FR)  
 10:00 – 10:30 hr coffee  
 10:30 – 11:30 hr Anthony Holtmaat (CH)  
 11:30 – 12:30 hr Louk Vanderschuren (NL)  
 12:30 – 14:00 hr Lunch with speakers  
 14:00 – 15:00 hr Workshop  
 15:00 – 17:00 hr Lab visits in Utrecht (for those who want) + farewell drinks

#### List of organizers and affiliations

Lukas Kapitein	Utrecht University	<a href="http://cellbiology.science.uu.nl/research-groups/lukas-kapitein">http://cellbiology.science.uu.nl/research-groups/lukas-kapitein</a>
Jeroen Pasterkamp	Utrecht Medical Center	<a href="http://www.jeroenpasterkamplab.com">http://www.jeroenpasterkamplab.com</a>
Casper Hoogenraad	Utrecht University	<a href="http://cellbiology.science.uu.nl/research-groups/casper-hoogenraad">http://cellbiology.science.uu.nl/research-groups/casper-hoogenraad</a>
Corette Wierenga	Utrecht University	<a href="http://cellbiology.science.uu.nl/research-groups/corette-wierenga">http://cellbiology.science.uu.nl/research-groups/corette-wierenga</a>

#### List of speakers and affiliations

Olivier Thoumine	Bordeaux, France	<a href="http://www.inb.u-bordeaux2.fr/dev/EN/researcher.php?researcher=Thoumine%20Olivier&amp;id=132">http://www.inb.u-bordeaux2.fr/dev/EN/researcher.php?researcher=Thoumine%20Olivier&amp;id=132</a>
Matthew Kennedy	Colorado, Denver, USA	<a href="http://pharmacology.ucdenver.edu/kennedy/">http://pharmacology.ucdenver.edu/kennedy/</a>
Melike Lakadamyali	ICFO, Barcelona, Spain	<a href="http://www.icfo.eu/research/group_details.php?id=33">http://www.icfo.eu/research/group_details.php?id=33</a>
Eloisa Herrera	Alicante, Spain	<a href="http://in.umh.es/grupos-detalle.aspx?grupo=31">http://in.umh.es/grupos-detalle.aspx?grupo=31</a>
Robert Hindges	King's College London, UK	<a href="http://www.kcl.ac.uk/ioppn/depts/devneuro/Research/groups/hindges.aspx">http://www.kcl.ac.uk/ioppn/depts/devneuro/Research/groups/hindges.aspx</a>
Uwe Drescher	King's College London, UK	<a href="https://kclpure.kcl.ac.uk/portal/uwe.drescher.html">https://kclpure.kcl.ac.uk/portal/uwe.drescher.html</a>
Phillip Gordon-	King's College London,	<a href="http://www.kcl.ac.uk/ioppn/depts/devneuro/Research/groups/gordon-weeks.aspx">http://www.kcl.ac.uk/ioppn/depts/devneuro/Research/groups/gordon-weeks.aspx</a>

Weeks	UK	
Michael Kreutz	Magdeburg, Germany	<a href="http://www.lin-magdeburg.de/en/research_groups/neuroplasticity/index.jsp">http://www.lin-magdeburg.de/en/research_groups/neuroplasticity/index.jsp</a>
Annie Andrieux	Grenoble, France	<a href="http://neurosciences.ujf-grenoble.fr/main-teams-3-sub-physiopathology-of-the-cytoskeleton-1-lang-en.html">http://neurosciences.ujf-grenoble.fr/main-teams-3-sub-physiopathology-of-the-cytoskeleton-1-lang-en.html</a>
Dominique Muller†/ Anthony Holtmaat	Genève, Switzerland	<a href="http://neurosciences.unige.ch/departement/grecherche/DM.html">http://neurosciences.unige.ch/departement/grecherche/DM.html</a> <a href="http://neurocenter.unige.ch/groups/holtmaat.php">http://neurocenter.unige.ch/groups/holtmaat.php</a>
Alberto Bacci	ICM Paris, France	<a href="http://research.icm-institute.org/team/27/homepage">http://research.icm-institute.org/team/27/homepage</a>
Louk Vanderschuren	UMC Utrecht, Netherlands	<a href="http://translationalneuroscience.nl/Research/Behavioral-Neuropharmacology/Louk-Vanderschuren">http://translationalneuroscience.nl/Research/Behavioral-Neuropharmacology/Louk-Vanderschuren</a>

† deceased, April 2015