

# Zebrafish in Development, Organogenesis and Disease

## 24-28 February 2020



**Coordinator:** Jeroen den Hertog en Jeroen Bakkers  
**Number of participants:** 32 MAX  
**Venue:** Hubrecht Institute, Uppsalalaan 8

**Monday 24/2:** Room 3-E0.22  
10:15 Introduction to the course (**Jeroen Bakkers**)

Make x groups for paper presentations on Friday:  
Groups will be made in advance.

**Teachers: Choose four papers each** around the themes that will appear during the presentations illustrating how zebrafish has been used to answer one particular biological question. Please note that the course is not centered on one particular subject so we need to go light on the biology. It is more for them to understand and extract how the model organism is used.

10.30 – 12.00 Introduction to zebrafish  
General introduction and genetics (**Jeroen Bakkers, HI**)  
13.00 – 14.15 1 research seminar on zebrafish (Genetics/Development) (**Federico, HI**)  
14:30-17:00 **Students start reading and studying papers**

**Tuesday 25/2:** (Room 3-E0.22)  
10:30-12:00 Introduction to heart regeneration (**Phong Nguyen or Jeroen Bakkers, HI**)  
13.00 – 14.15 1 research seminar on heart regeneration (**Jeroen Bakkers, HI**)  
14:30-17:00: **Students prepare presentation with group including**

**Wednesday 26/2:** (Room 3-E0.22)  
10:30 – 12:00 Introduction to small molecule screens in zebrafish (**Jeroen den Hertog, HI**)  
13.00 – 14.15 1 research seminars on small molecule screens in zebrafish (**Jason Early, Edinburgh University**)  
14:45-17:00 **Students study paper with group**

**15:00-16:00 Meeting with teachers** in your office or the canteen

**Thursday 27/2:** (Room 3-E0.22)  
10.30 – 12:00 Introduction to vascular development by **Stefan Schulte Merker** (Munster)  
12.30 – 15.45 **Students finalise presentation and rehearse presentations**  
16.00 – 17.00 **CS&D Seminar by Stefan Schulte Merker (AUDITORIUM)**

**Friday 28/2:** **course conclusion** (Room 3-E0.22)  
13:00 – 15:00 Presentation 4 groups (30 min: 20 min presentation + 10 min questions).

**Teachers need to be present**

15:00-15:30 break

15:30 – 17:30 Presentation 4 groups (30 min: 20 min presentation + 10 min questions).

**Teachers need to be present**

17:30 Course Wrap up by Jeroen den Hertog en Jeroen Bakkers

**Notes:**

Presentations:

-Format: 2 persons present, and 2 answer questions

-Need to focus on: (1) which genetic and cell biological approaches are used to address the research question and (2) why is the zebrafish such a good (or not so good?) system for this