



# Quantitative FRET, FRAP and FCS

## Programme:

### **Wednesday, 23.9**

#### Arrival

17:00	<i>Welcome address</i>
17:15-18:15	Introductory lecture
18:30	<i>Welcome reception and dinner</i>

### **Thursday, 24.9**

#### Session I: Introductions to techniques

9:00-9:45	Single-molecule photophysics and single-pair FRET
9:45-10:30	Live-cell FRET
10:30-11:00	<i>Coffee break</i>
11:00-11:45	FRAP
11:45-12:30	FCS

12:45-13:45     *Lunch*

14:00-18:00

#### Tutorials:

- Groups 1&2: live-cell FRET
- Groups 3&4: single-pair FRET
- Groups 5&6: FRAP
- Groups 7&8: FCS

## **Thursday, 24.9**

18:00-19:00     *Dinner*

19:00-21:00     Tutorials continued

21:00             *Come together*

## **Friday, 25.9**

### Session II: Presentation of commercial systems

9:00-9:45     Presentation by Leica

9:45-10:30     Presentation by Zeiss

10:30-11:00     *Coffee break*

11:00-11:45     Presentation by Intelligent Imaging Innovations

11:45-12:30     Presentation by PicoQuant

12:45-13:30     *Lunch*

13:30-18:00  
Tutorials (groups will rotate projects)

18:30-20:00     *Guided tour of Heidelberg*

20:00             *Dinner in Heidelberg (Kulturbrauerei)*

## **Saturday, 26.9**

### Session III: Single-molecule applications

12:45-13:45     *Lunch*

14:00-19:00  
Tutorials (groups will rotate projects)

19:00-20:00     *Dinner*

20:00-21:00     Discussion of techniques

21:00             *Come together*

## **Sunday, 27.9**

### Session IV: Live-cell applications

12:00-13:00      *Lunch*

13:00-18:00  
Tutorials (groups will rotate projects)

18:00-19:00      *Dinner*

19:00-21:00      Project presentations (groups 1-8)

21:00              *Come together*

## **Monday, 28.9**

9:00-10:00      Closing remarks / Course evaluation  
*Departure*