# Digital PCR

EMBL COURSE

**We have moved our website to** embl.org/events**. The content below is no longer being updated.**

**EMBL Courses and Conferences during the Coronavirus pandemic**

With the onsite programme paused, many of our events are now being offered in virtual formats.

Registration is open as usual for many events, with back-up plans in place to move further courses and conferences online as necessary. Registration fees for any events affected by the COVID-19 disruption are fully refundable.

More information for participants of events at EMBL Heidelberg can be found here.

## Programme

Got something to say? Tweet it with #EMBLDigPCR

HIDE ALL

### Day 1 - Tuesday 27 November 2018

| Time | Speaker | Location |
|------|---------|----------|
| 09:00 - 09:15 | **Laboratory Safety Introduction** | Flex Lab A & B |
| 09.15 - 10.00 | **Welcome to the course (course overview) Ice breaking activity** | Flex Lab A & B |
| 10.00 - 11.00 | **Lecture: An introduction to digital PCR** <br> Jim Huggett - LGC Group, UK | Flex Lab A & B |
| 11.00 - 11.30 | **Coffee break** | Flex Lab A & B |

| Time | Speaker | Location |
|------|---------|----------|
| 11.30 - 12.30 | **Lecture: Higher order multiplexing using digital PCR**<br>Alexandra Whale - LGC Group, UK | Flex Lab A & B |
| 12.30 - 13:30 | **Lunch** | EMBL Canteen |
| 13.30 - 15.00 | **Practical in groups:**<br>**- Physical linkage analysis**<br>**- Copy number variation**<br>**- Rare event detection** | Training Lab B |
| 15.00 - 15.30 | **Coffee Break** | Flex Lab A & B |
| 16.00 - 18.00 | **Lecture: Assay design and advanced data analysis tools**<br>Jo Vandesompele - Ghent University, Belgium | Flex Lab A & B |
| 18.00 - 19.00 | **Dinner** | EMBL Canteen |

## Day 2 - Wednesday 28 November 2018

| Time | Speaker | Location |
|------|---------|----------|
| 09:00 - 09:15 | **Overview of the day** | Flex Lab A & B |
| 09.15 - 11.00 | **Practical in groups:**<br>**- Physical linkage analysis**<br>**- Copy number variation**<br>**- Rare event detection** | Training Lab B |
| 11.00 - 11.30 | **Coffee break** | Flex Lab A & B |
| 11.30 - 12.30 | **Lecture: dPCR for food safety and security**<br>Mojca Milavec - National Institute of Biology, Slovenia | Flex Lab A & B |
| 12.30 - 13:30 | **Lunch** | EMBL Canteen |
| 13.30 - 15.30 | **Practical in groups:**<br>**- Physical linkage analysis**<br>**- Copy number variation**<br>**- Rare event detection** | Training Lab B |
| 15.30 - 16.00 | **Coffee Break** | Flex Lab A & B |

| Time | Speaker | Location |
|---|---|---|
| 16.00 - 17.00 | **Lecture: Digital PCR in HIV reservoir quantification: From research to diagnostic platform**<br>Wim Trypsteen - Ghent University, Belgium | Flex Lab A & B |
| 17.00 - 18.00 | **Free time, ask the experts** | |
| 18:00 | **Shuttle to downtown** | |
| 19.30 | **Downtown Dinner** | |

## Day 3 - Thursday 29 November 2018

| Time | Speaker | Location |
|---|---|---|
| 09:00 - 09:15 | **Overview of the day** | Flex Lab A & B |
| 09:15 - 11:15 | **Practicals Data Analysis** | Flex Lab A & B |
| 11:15- 11:30 | **Coffee break** | Flex Lab A & B |
| 11:30 - 12:30 | **Lecture: Use of ctDNA for cancer patient management : how recent technical developments have allowed to envision broad application in clinics**<br>Valerie Taly - University Paris Descartes, France | Flex Lab A & B |
| 12:30 - 13:15 | **Lunch Break** | EMBL Canteen |
| 13:15 - 14:15 | **Practicals Data Analysis** | Flex Lab A & B |
| 14:15 - 14:30 | **Coffee break** | |
| 13.30 - 15.30 | **Group Discussion presentation. Set of problems apply what has been learnt**<br>Jim Huggett - LGC Group, UK<br>Jo Vandesompele - Ghent University, Belgium | Flex Lab A & B |
| 15.30 - 16.00 | **Wrap up & End of course** | Flex Lab A & B |