

## CCP4 Practical Course 2023

**Dates:** May 24 – 26, 2023

**Venue:** BIOCEV, Vestec

**Aim:** The course will provide basic and applied training in evaluation of X-ray diffraction data using CCP4 software suite. The scope will cover whole procedure from processing of the diffraction images to structure validation.

**Format:** The course will be partially talks and partially hands-on tutorials. The participants are encouraged to bring their own data. Talks will be accessible to anyone, number of places for practicals is limited and registration is required.

**Registration:** <https://forms.biocev.org/index.php/578722?lang=en>

**Deadline:** May 7, 2023

**Costs:** Free of charge

**Confirmed speakers:** Ronan Keegan, David Waterman, Rob Nicholls, Martin Malý, Eugene Krissinel, Maria Fando, Filomeno Sanchez Rodriguez, Jan Stránský, Jan Dohnálek

### Preliminary programme:

#### **May 24 – Primary data processing**

13:00-13:45 General CCP4 overview (talk)

13:45-14:30 Primary data processing (talk)

15:30-17:30: Primary data processing (practical)

#### **May 25 – Structure solution**

09:00-12:00: Phasing and refinement (talks)

13:30-17:00: Phasing and refinement (practical)

#### **May 26 – Model building and validation**

09:00-10:00: Model building (talk)

10:00-10:30: Serial crystallography (talk)

11:00-11:30: Model validation (talk)

12:30-15:00: Model building and validation (practical)

