

# Hands-on Workshop on Exome Library Preparation

July 31 –  
August 2

VBCF building,  
VBC2 1st floor,  
Vienna

Registering is necessary, please write to [solexa.service@imp.ac.at](mailto:solexa.service@imp.ac.at) if you would like to participate.

A maximum of 12 attendants will be accepted, slots will be given away on a first comes first serve policy.

Reagents for the full procedure will be provided by the facility and will be funded by an interregional Czech-Austria collaborative grant (<http://riat.ceitec.cz/technologies-at-vbcf/>).



## Day 1:

**9:00–10:00:** Introduction  
**10:00–11:00:** Set up Fragmentation and Endrepair  
**11:00–12:00:** Presentation: DNA library preparation methods  
**12:30–13:00:** Lunch  
**13:00–16:00:** Adaptor Ligation and PCR, check library on Bioanalyzer

## Day 2:

**9:00–11:00:** set up hybridization  
**11:00–12:00:** Presentation 1: Enrichment strategies (Hybridization, PCR)  
**12:00–13:00:** Presentation 2: Data processing  
Note: no lunch break, but coffee break

## Day 3:

**9:00–12:30:** Wash and Recover the Captured DNA sample  
**12:30–13:00:** Lunch  
**13:00–15:00:** Post Capture PCR Amplification (during PCR short talk about NEB products)

## Purification

**15:00–16:00:** Quality control of finished samples using the Bioanalyzer. Final discussion and closing of workshop.

If you're new to Exome sequencing and want to apply this method in near future, make sure you do not miss this opportunity to learn the workflow from experienced sequencing specialists.

Coffee breaks and lunch for workshop participants included.

