

# Analysis of high-throughput sequencing data



IT4Innovations  
national  
supercomputing  
center



- When** November 27 - 28, 2014
- Venue** VŠB – Technical University of Ostrava, IT4Innovations building, room 450
- Tutor** Paolo Ribeca  
(The Pirbright Institute, UK and Centro Nacional de Análisis Genómico, Spain )

Thursday	November 27, 2014
09:30–10:00	registration
10:00–11:30	Basics of high-throughput sequencing
11:30–13:00	time for lunch
13:00–14:30	Alignment (basics; mapping)
14:30–15:00	coffee break
15:00–16:30	DNA-seq mapping hands-on
16:30–17:00	coffee break
17:00–18:00	Mapping, revisited (algorithms; protocols)

Friday	November 28, 2014
09:00–10:30	RNA-seq mapping hands-on
10:30–11:00	coffee break
11:00–12:45	Downstream analysis. Differential quantification
12:45–14:00	time for lunch
14:00–15:30	Basics of assembly

More information and registration at:  
<http://prace.it4i.cz/BIO-11-2014>

Deadline for registration:  
November 20, or exhausted capacity

Number of attendees: 20

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