

Introduction to Next Generation Sequencing

Friday, March 29, 2019

KU Leuven, Campus Gasthuisberg, building O&N1, Pentalfa

Part 1- Library prep and sequencing

08:30-09:00	Registration
09:00-09:30	Introduction Wouter Bossuyt
09:30-10:30	Overview of NGS sequencing: methods and technologies Céline Helsmoortel
10:30-11:00	<i>coffee break</i>
11:00-12:00	Library prep protocols: WGS, RNA-Seq, Targeted sequencing Céline Helsmoortel
12:00-13:00	<i>sandwich lunch</i>

Part 2 - Introduction to Bioinformatics

13:00-14:00	Understanding NGS raw data: Fastq format, quality checking Erika Souche & Álvaro Cortés Calabuig
14:00-15:00	Read mapping and alignment: SAM format, alignment, IGV Luc Dehaspe & Erika Souche
15:00-15:30	<i>coffee break</i>
15:30-17:00	Variant calling: GATK, quality scores, recalibration, VCF files Erika Souche & Luc Dehaspe
17:00-17:30	Ask the experts: What you ever wanted to know about NGS (but never dared to ask) Genomics Core Leuven

Registration fee (incl. coffee breaks and lunch):

- for members of non-academic institutions: 50€
- for students and members of academic institutions: - Part 1 (Lib prep and Sequencing) is free of charge
- Part 2 (Bioinformatics): 20€

Payment modalities will be sent out to you by e-mail after registration.

Registration form (registration deadline: March 21, 2019)

www.genomicscore.be

questions? mail to: info@genomicscore.be