LUMC: Human and Clinical Genetics
NGS Introduction Course
April 1 and 4, 2014
Location: Avans Hogeschool, Breda

Given by: Michiel van Galen and Jeroen Laros.

The course aims at introducing participants (with no or little experience) to NGS data analysis. The course is split into two parts: in the first session we look at the building blocks of NGS pipelines, in the second session we look at the general picture.

Program:

Session one:

13:30 - 13:45	Introduction to NGS data analysis	Michiel van Galen
13:45 - 14:00	Operating system basics	Jeroen Laros
14:00 - 14:30	Installing and updating software	Jeroen Laros
14:30 - 15:00	Getting started	Michiel van Galen
15:00 - 15:30	Break	
15:30 - 16:00	Connecting to other machines	Jeroen Laros
16:00 - 17:30	Practical	

The practical covers the following:

- Connecting to a remote machine.
- Using the command line.
- Downloading and installing tools.
- Running a simple analysis.

Session two:

14:00 - 14:30	Combining tools into a pipeline	Michiel van Galen
14:30 - 15:00	Break	
15:00 - 16:30	Practical	

The practical covers the following:

- Making a static shell script.
- Variables.
- Command line arguments.
- Making a dynamic pipeline.