ECSEQ BIOINFORMATICS

Next-Generation Sequencing Data Analysis: A Practical Introduction

Quality Control, Read Mapping, Visualization and DNA Variant Analysis

DATE March 25 - 27, 2020 **TIME** 9 am – 5 pm **VENUE** Munich, Germany

Advance your research. Understand NGS and analyze sequenced data yourself.

The target audience is biologists or data analysts with no or little experience in analyzing NGS data.

Included in the Course

- ✔ Course materials
- ✔ Catering during the workshop
- ✔ Conference dinner
- ✔ High-performance workstations (no laptop needed)
- ✔ USB-Stick for taking home results and analysis

Enroll Today!

ecseq.com/workshops/public

In a Nutshell

- Learn the essential computing skills for NGS bioinformatics
- Understand NGS technology, algorithms and data formats
- Use bioinformatics tools for handling sequencing data
- Perform first downstream analyses and call variants

Scope and Topics

The purpose of this workshop is to get a deeper understanding in Next-Generation Sequencing (NGS) with a special focus on bioinformatics issues. Advantages and disadvantages of current sequencing technologies and their implications on data analysis will be discovered. The participants will be trained on understanding their own NGS data, finding potential problems/errors therein and finally perform their first downstream analysis (DNA variant calling). In the course we will use a real-life RNA-seq dataset from the current market leader illumina.

All workshop attendees will be enabled to perform important first tasks of NGS data analysis themselves. The course layout has been adapted to the needs of beginners in the field of NGS bioinformatics and allows scientists with no or little background in computer science to get a first hands-on experience in this new and fast evolving research topic.

Trainers

Dr. David Langenberger
ecSeq Bioinformatics GmbH

Dr. Mario Fasold
ecSeq Bioinformatics GmbH

Registration Fee

949 EUR (excluding VAT)

ecSeq Bioinformatics GmbH · Sternwartenstr. 29 · 04103 Leipzig · Germany
twitter.com/ecSeq · events@ecSeq.com · www.ecseq.com