

NGS - variant analysis

Geert van Geest
Interfaculty Bioinformatics Unit, UniBe
Training group, SIB

Organization/Teachers

- **Diana Marek:** Coordination
- **Geert van Geest:** trainer at SIB/bioinformatician at IBU Bern

Learning outcomes

- Understand important **aspects** of **NGS** and read **alignment** for variant analysis
- **Perform** a read **alignment** ready for variant analysis
- **Perform variant calling** according to **GATK** best practices
- **Perform** a variant **annotation**

Learning experiences

- Lectures
- Quiz questions
- Exercises

Questions

Communication

- Course website:

<https://sib-swiss.github.io/NGS-variants-training/>

- Slack
- Google docs

Introductions

- Current job/study
- What you would like to learn during this course