

# NGS - variant analysis

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# Organization/Teachers

- **Valeria Di Cola:** Coordination
- **Wandrille Duchemin:** Training
- **Geert van Geest:** Author of most of this material. Training coordinator at SIB

# 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 1-3

# Communication

- Course website:

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

# Asking questions

- During lectures: raise hand and talk
- During exercises:

raise hand OR



# Introductions

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