NGS – variant analysis

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Teachers

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- **Irene Keller:** bioinformatician at DBMR Bern
- **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

Communication

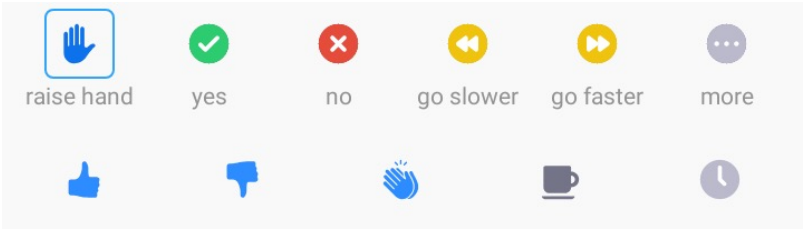
- Course website:

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

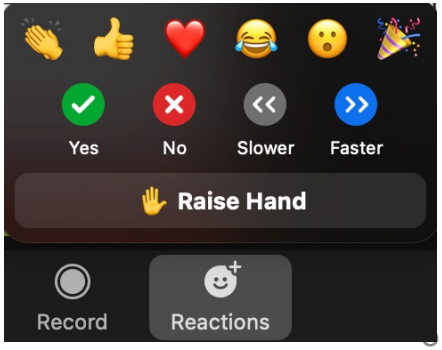
- Slack
- Google docs

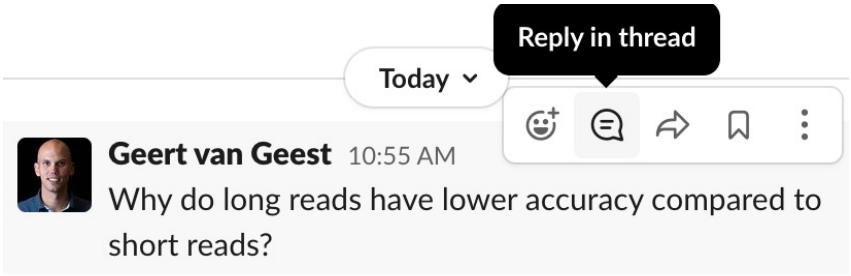
Asking questions

- During lectures: zoom functionality
- Personal interest questions: #background
- During exercises: #q-and-a on slack

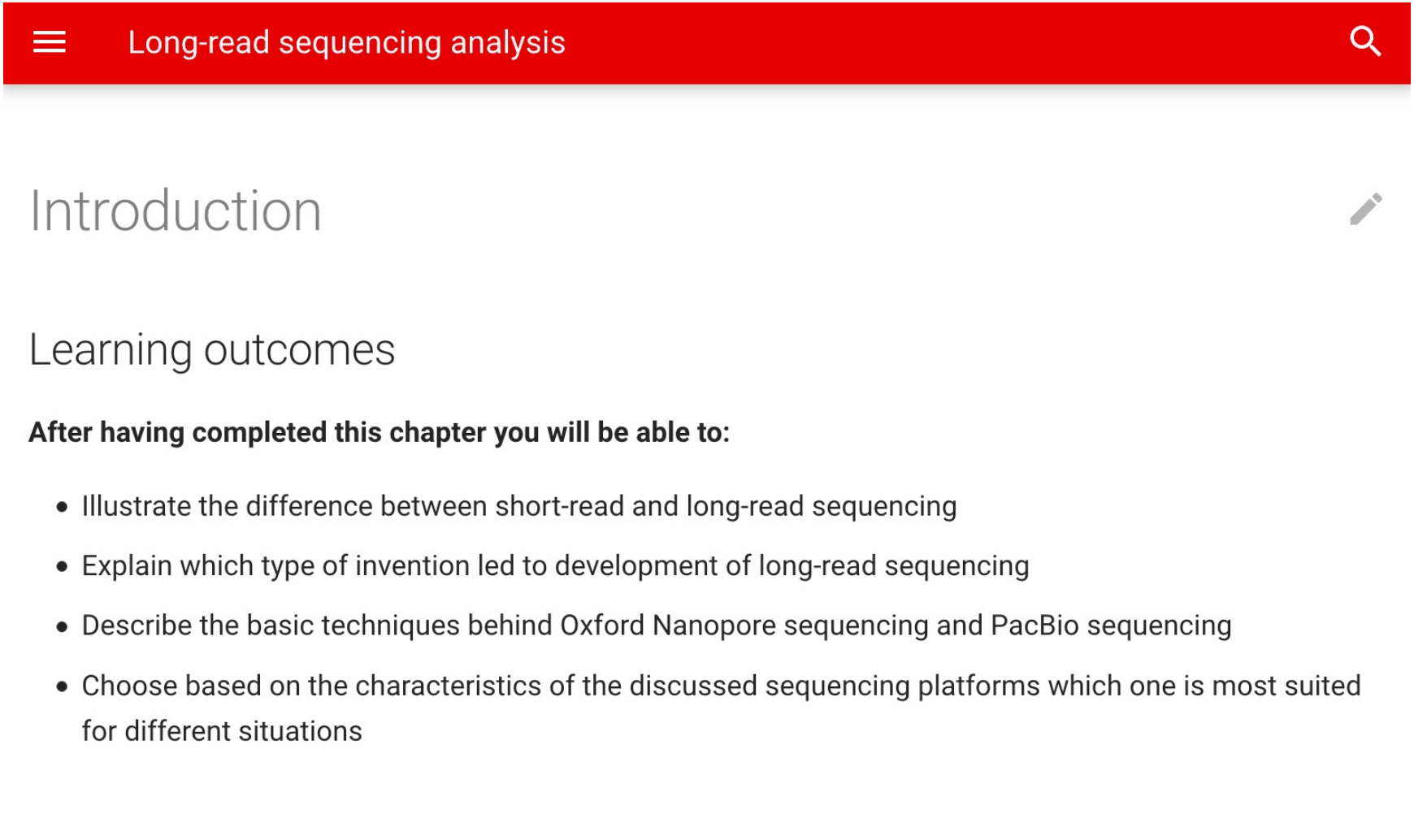


OR





Learning outcomes – per chapter



Get to know each other

- Write in the google doc (5 minutes):
  - Three keywords about yourself
  - Why you are joining this course, and what you want to learn
- You will discuss them in breakout rooms afterwards (15 minutes)
  - Introduce yourself based on what you've written in the doc