

# NGS Course

Session 2

Sumeet Pal Singh and Yura Song

# NGS Course

- Session 2 (18 June)  
Designing and saving workflow in Galaxy  
RNA-Seq. analysis  
Controlling for covariates in RNA-Seq. analysis

# Course Repository

- [https://github.com/sumeetpalsingh/NGS\\_Course](https://github.com/sumeetpalsingh/NGS_Course)

Course on analysis of NGS data (RNA-Seq. and ATAC-Seq.) using Galaxy Edit

Manage topics

25 commits 1 branch 0 packages 0 releases 1 contributor

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sumeetpalsingh Update README.md		Latest commit e3657ea 3 days ago
Data	Update README.md	4 days ago
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Preparation	Update Session1_Preparation.md	4 days ago
INFO.md	Update INFO.md	5 days ago
README.md	Update README.md	3 days ago

README.md

## Introductory NGS course, June 2020

Details about the course: [https://github.com/sumeetpalsingh/NGS\\_Course/blob/master/INFO.md](https://github.com/sumeetpalsingh/NGS_Course/blob/master/INFO.md)

Course in memory of [James Taylor \(1979-2020\)](#), co-creator of Galaxy and an inspiration to the Open Science commitment.

YouTube Playlist for the course: [https://www.youtube.com/playlist?list=PLb6xuk42G5nx-b\\_h4T3iPy118rfVgw7c0](https://www.youtube.com/playlist?list=PLb6xuk42G5nx-b_h4T3iPy118rfVgw7c0)

## Upcoming sessions

### Session 1: Introduction to Galaxy and NGS Data Structures

Friday, 05 June, 2020. 5 PM Brussels Time (GMT +2) (See time for your zone below).

YouTube link (can access from the playlist link mentioned above, or): <https://youtu.be/-aWxyCokSbM>

### Session 2: RNA-Seq. Analysis

Thursday, 18 June, 2020. 5 PM Brussels Time (GMT +2) (See time for your zone below).

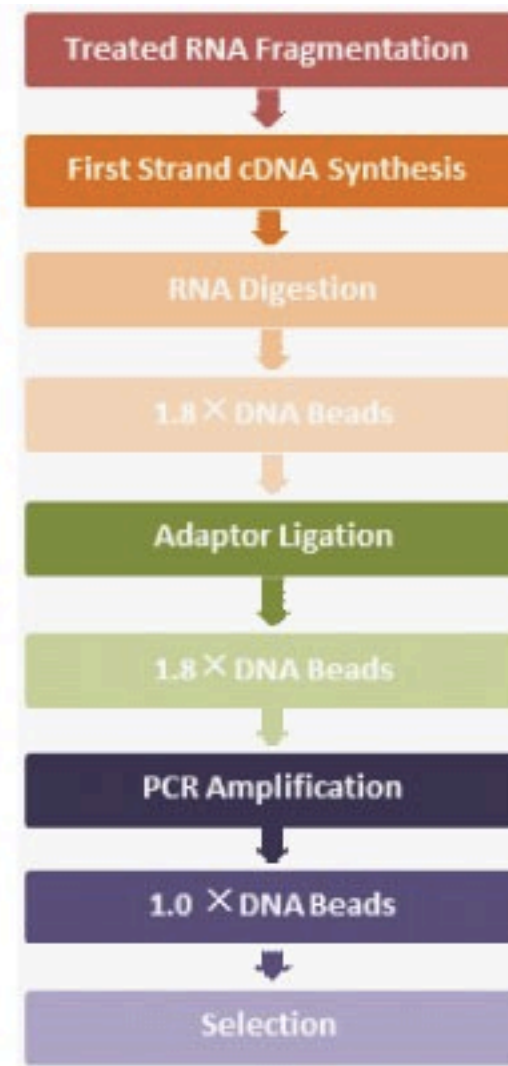
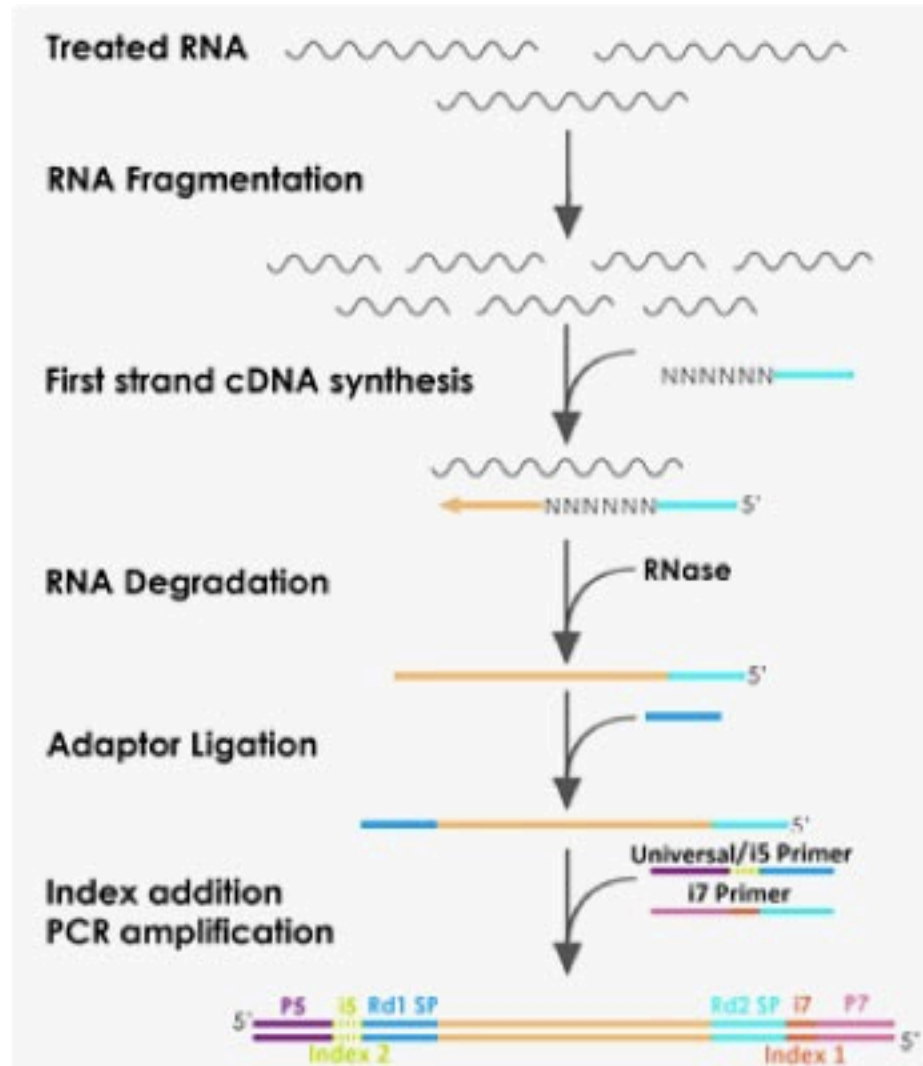
YouTube link (can access from the playlist link mentioned above, or): <https://youtu.be/19sxValzwww>

### Session 3: ATAC-Seq. Analysis

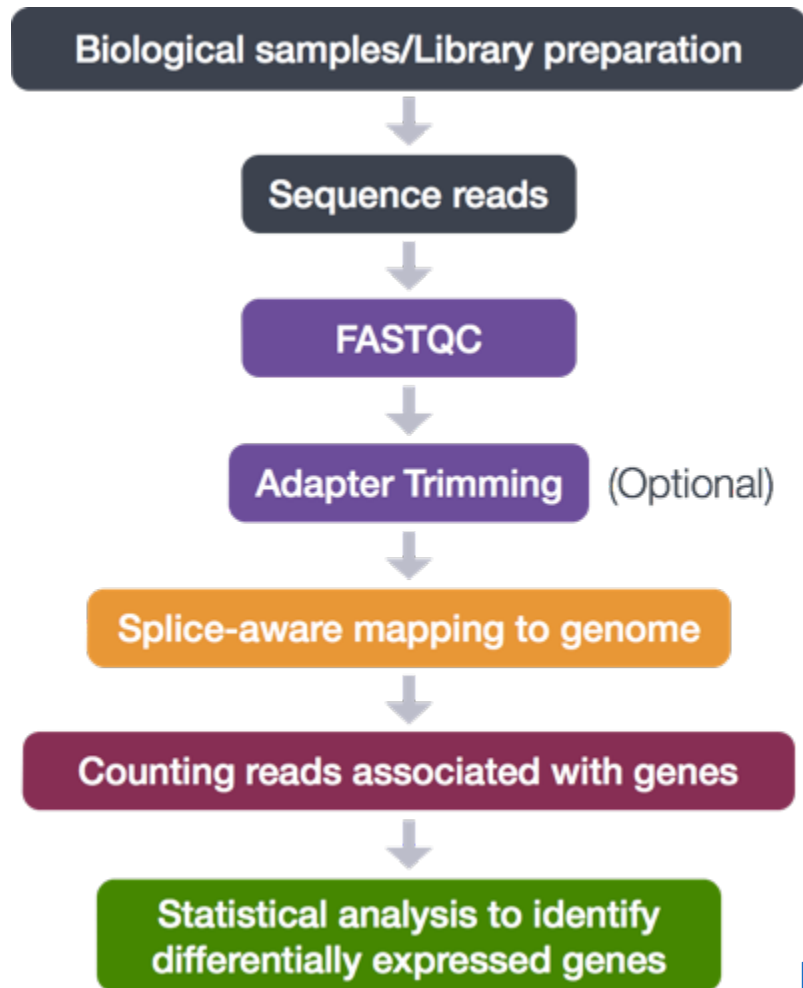
Thursday, 25 June, 2020. 5 PM Brussels Time (GMT +2) (See time for your zone below).

YouTube link (can access from the playlist link mentioned above, or): <https://youtu.be/EICqPXcifxc>

# RNA-Seq.

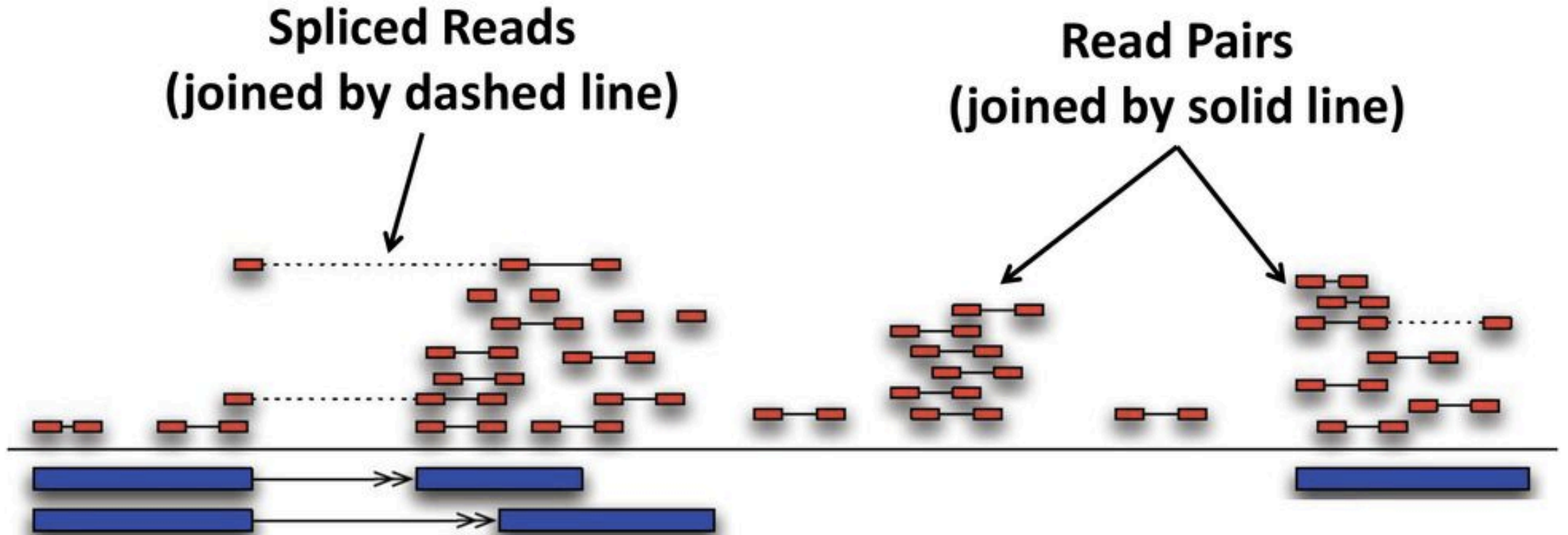


# RNA-Seq. Mapping Pipeline



[https://hbctraining.github.io/Intro-to-rnaseq-hpc-02/lessons/03\\_alignment.html](https://hbctraining.github.io/Intro-to-rnaseq-hpc-02/lessons/03_alignment.html)

# Splice Aware Mapping



# Soft clipping

[https://hbctraining.github.io/Intro-to-rnaseq-hpc-02/lessons/03\\_alignment.html](https://hbctraining.github.io/Intro-to-rnaseq-hpc-02/lessons/03_alignment.html)

