



# SHAPING A WORLD CLASS UNIVERSITY

MASTER DEGREE  
IN PHARMACEUTICAL BIOTECHNOLOGIES  
UNIVERSITY OF PADOVA

## Genomics and Epigenetics: technical aspects and applications

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#### Lecture 1 : Mon, May 29, 2023, 10:30-12:30

General definitions: Genomics, Transcriptomics, Epigenomics, single-cell genomics Sequencing technologies: history, short-read sequencing (SBS), long-read sequencing.

#### Lecture 3 : Wed, May 31, 2023, 10:30-12:30

Applications of transcriptomics/epigenomics.

#### Lecture 2 : Tues, May 30, 2023, 10:30-12:30

Methods for transcriptomics/epigenomics (from wet lab to bioinformatics analysis).

#### Lecture 4 : Thu, June 1, 2023, 10:30-12:30

Single-cell omics (methods, applications and open challenges)

**dsf**

Dipartimento  
di Scienze  
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#### Venue : AULA 2

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