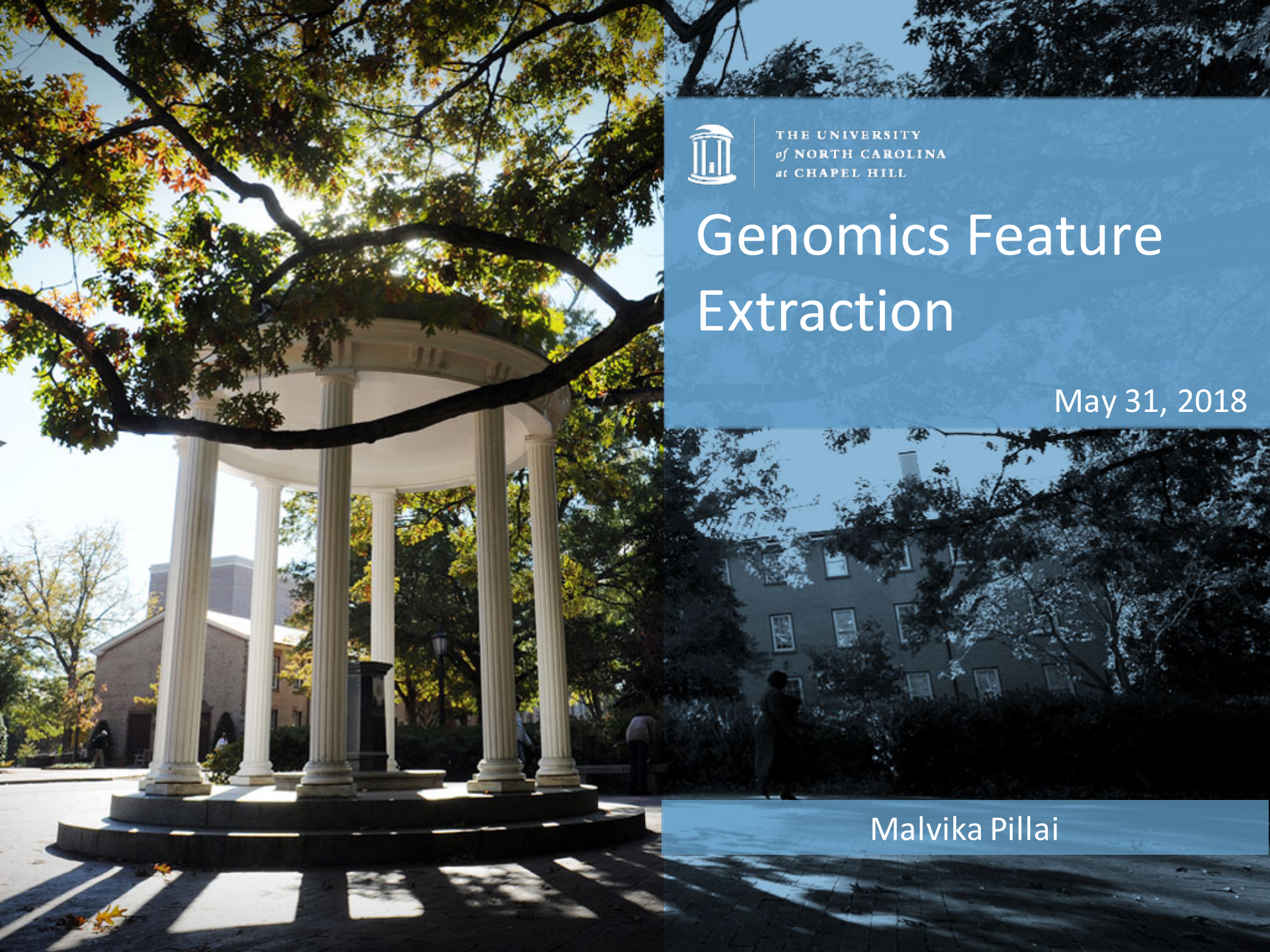

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Genomics Feature Extraction

May 31, 2018

Malvika Pillai

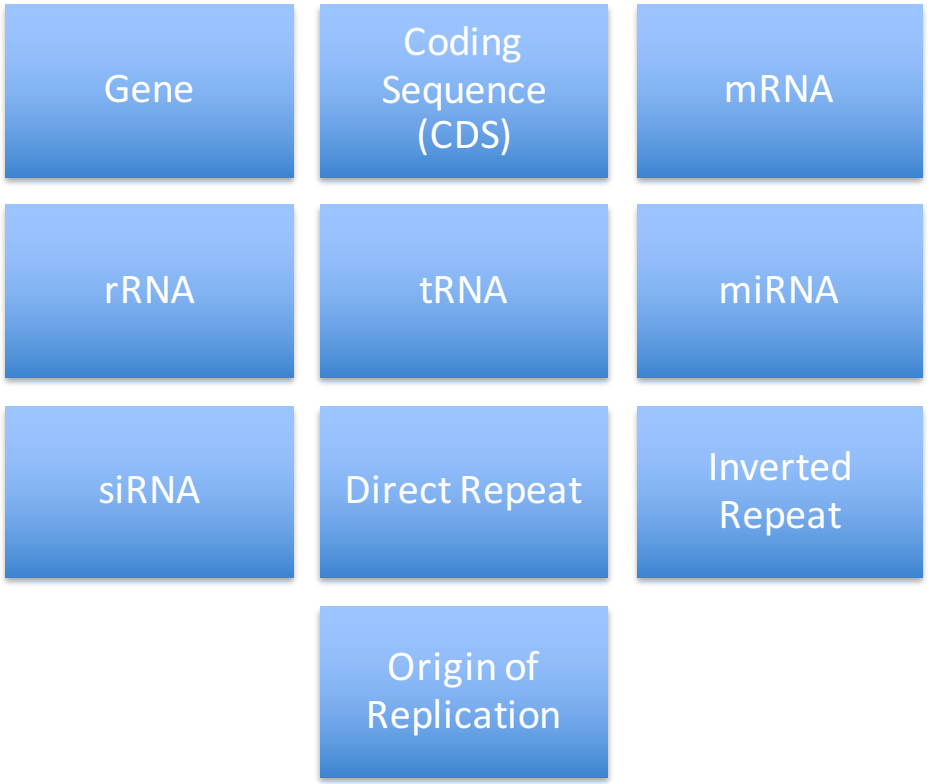
Outline for Feature Extraction

- Genomic Features
- Genome Visualization
- Genome Annotation

Genomic Features

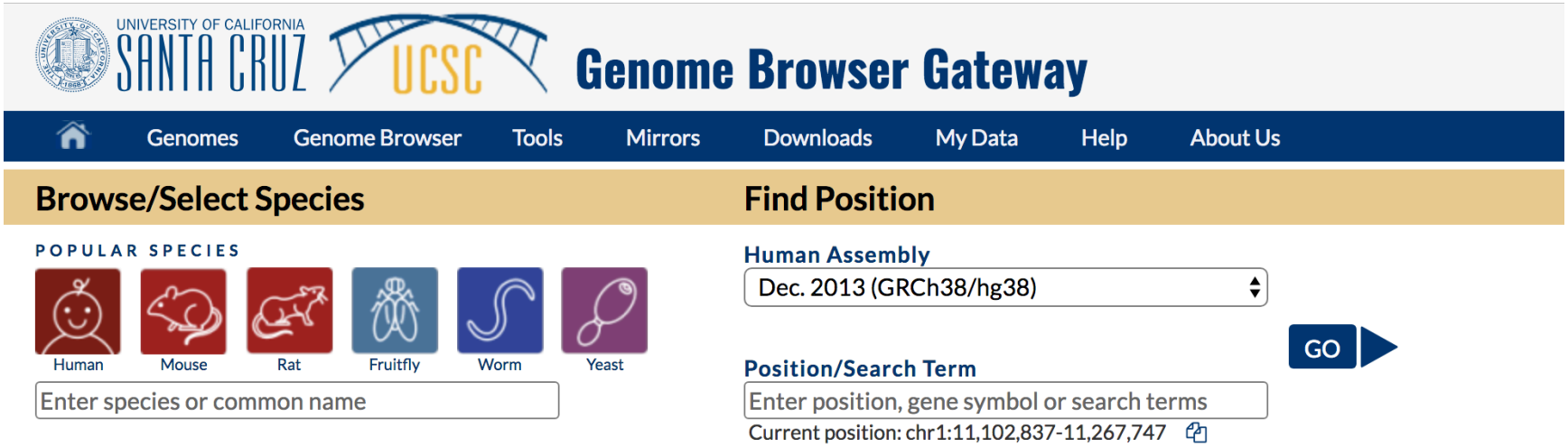
Definition of a Genomic Feature

- Any genomic region with some annotated function



Genome Visualization

UCSC Genome Browser



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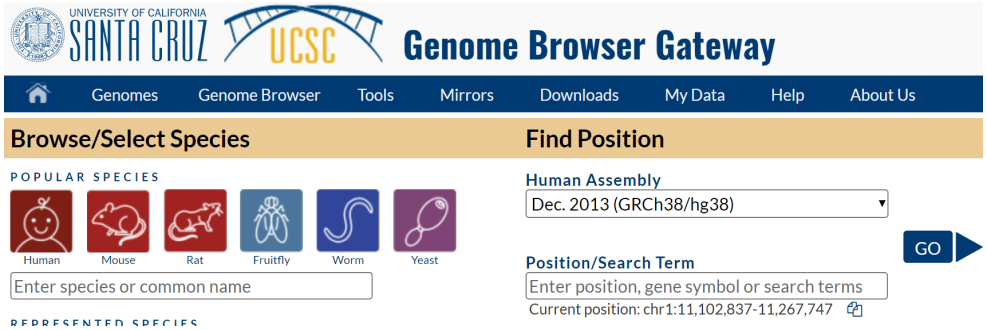
Genome Annotation

Annotation Sources

EMBL
European Molecular Biology Laboratory

NCBI



ClinVar
Clinically relevant variation

COSMIC
Catalogue Of Somatic Mutations In Cancer

OMIM
Online Mendelian Inheritance in Man

GET-Evidence

dbSNP
Short Genetic Variations

SNPedia

Source: Kimberly Robasky

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Any Questions?

Genomic Feature Extraction: Hands-On Exploration

Next Class