# Web-SNP portal

D. Tosoni, D. Sicignani, U. Buonadonna

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# Project description

# Context

*Single-nucleotide polymorphism*: a DNA sequence variation occurring when a Single Nucleotide — A, T, C or G — in the genome (or other shared sequence) differs between members of a biological species or paired chromosomes.

immagine

# Goal

Allow a user to store and retrieve its genomics variation sequencings.

immagine

# How to reach it?

Realization of **Web Portal** to store and query Single Nucleotide Polymorphism genomics variants.

Functionalities:

Super User

- create a "family" with one or more members
- authorize users
- modify inserted attributes

Authorized User

- search for a patient, gene, mutation, . . .

# Architecture of the project

# Database:

immagine relazioni

# Front-end:

Portal

Web-SNP portal

# Query

# lista query

# Architettura software

# Software usati:

- MongoDB
- Javascript
- . . .