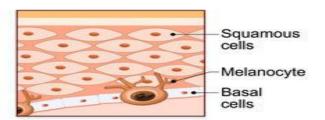


### INTRODUCTION

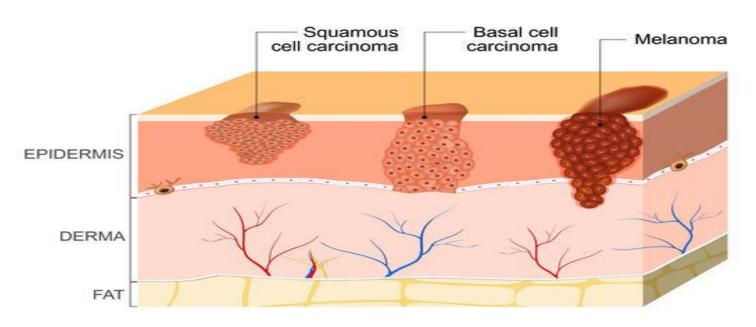
Skin cancer is the most common type of cancer. The main types of skin cancer are squamous cell carcinoma, basal cell carcinoma, and melanoma. Melanoma is much less common than the other types but much more likely to invade nearby tissue and spread to other parts of the body. Most deaths from skin cancer are caused by melanoma.



#### HEALTHY EPIDERMIS



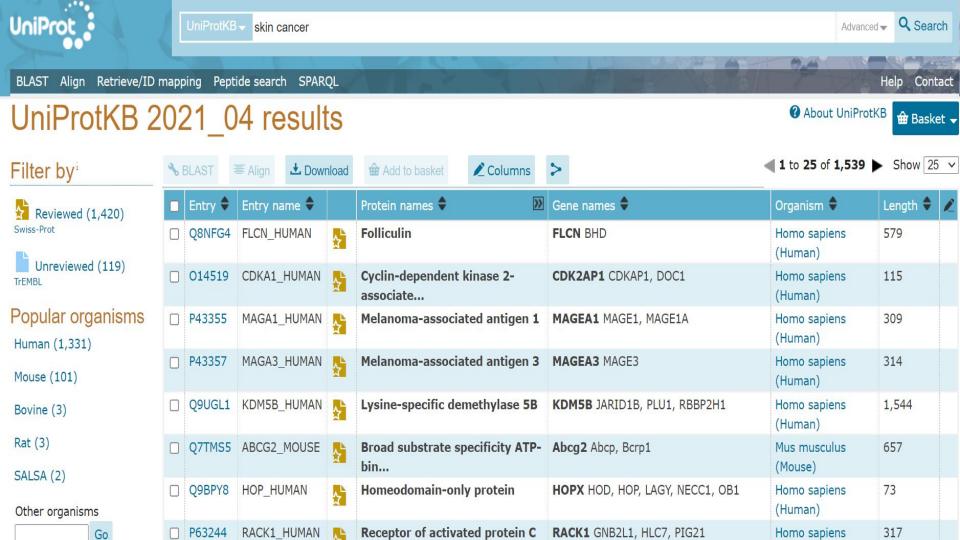
# SKIN CANCER



## **OVERVIEW OF METHODOLOGY**

- In this project, sequences will be imported from the Uniprot database. The genes are downloaded from the Cosmic Cancer database from the skin section.
- We will be using specific queries to navigate through the database. The database is created in MySQL by importing the CSV files that were downloaded from the COSMIC cancer database and the database is hosted via Xampp server with the PHPmyadmin host.
- Making a user friendly website where the user just needs to input the Protein name / ID it will be confirmed whether that particular protein is cancerous or not.







#### **NOVELTY**

- In other websites user have to read and analyse on their own whether a particular protein is relevant to skin cancer or not.
- Our project's novelty would be to provide a single website for all types of skin cancer.
- Thus, we can prevent the disease if it is continuously screened

#### **WORK UNDER PROGRESS**

- Collection of data
- Database generation



#### REFERENCES

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  from the WHO/ILO Joint Estimates of the Work-related Burden of Disease and
  Injury.
- <a href="https://www.mayoclinic.org/diseases-conditions/skin-cancer/symptoms-causes/syc-20377605#:~:text=Skin%20cancer%20%E2%80%94%20the%20abnormal%20growth,squamous%20cell%20carcinoma%20and%20melanoma.">https://www.mayoclinic.org/diseases-conditions/skin-cancer/symptoms-causes/syc-20377605#:~:text=Skin%20cancer%20%E2%80%94%20the%20abnormal%20growth,squamous%20cell%20carcinoma%20and%20melanoma.</a>
- <a href="https://www.skincancer.org/skin-cancer-information/skin-cancer-facts/#:~:text=Skin%20cancer%20is%20the%20most,doubles%20your%20risk%20for%20melanoma">https://www.skincancer.org/skin-cancer-information/skin-cancer-facts/#:~:text=Skin%20cancer%20is%20the%20most,doubles%20your%20risk%20for%20melanoma</a>





# THANK YOU!