

Muhammad Maaz Khurram

An aspiring young scientist looking forward to bridge microfabrication techniques with immunology.

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📍 Izmir, Turkey

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EDUCATION

MSc in Bioengineering and Biotechnology

Izmir Institute of Technology

02/2021 - Present

Izmir, Turkey

Research Interests

- Microfluidics, Immunotherapy, and Natural Products

BSc in Molecular Biology and Genetics

Bilkent University

08/2015 - 08/2020

Ankara, Turkey

RESEARCH EXPERIENCE

Senior Project II

Cevher Lab at Bilkent University

02/2020 - 06/2020

Ankara, Turkey

Achievements/Tasks

- Investigating the role played by MED14 subunit in transcription (Remote Project).

Supervisors : Dr. Murat Cevher and Javaid Jabbar

Senior Project I

Goktuna Lab at Bilkent University

09/2019 - 01/2020

Ankara, Turkey

Achievements/Tasks

- Performed routine Protein Extraction, Protein Quantification, Western Blots.

Supervisors : Dr. Goktuna and Erta Xhafa.

Summer Intern

Goktuna Lab at Bilkent University

08/2018 - 10/2018

Ankara, Turkey

Tasks

- Conducted literature research about colorectal cancer cell lines.

Supervisors : Dr. Goktuna and Erta Xhafa.

SKILLS

Microfluidic Device Fabrication

Cell Culture

Microscopy

Western Blot

RNA Extraction

Protein Quantification

PCR

ELISA

Python

Adobe Photoshop

PROJECTS

Thesis Project (02/2022 - Present)

- Microfluidic Device Fabrication and Optimization

Immunology Project (03/2020 - 06/2020)

- Contributed towards the research of a potential vaccine against SARS-CoV-2.
- Reported to Dr. Gursel.

STUDENT CLUBS

South Asian Cultural Club - SACC (09/2016 - 06/2018)

Secretary to the President

Bilkent Genetics Society (10/2016 - 10/2017)

Member

EXTRA CURRICULAR ACTIVITIES

Squash, Photography, Music

Qatar Junior Squash Tournament (04/2015), Yale Squash Summer Camp (07/2013), nationally and internationally ranked in juniors.

LANGUAGES

English

Native or Bilingual Proficiency

Urdu

Native or Bilingual Proficiency

Turkish

Limited Working Proficiency

RESEARCH INTERESTS

Microfluidics

Regenerative Medicine

Tumor Immunology

Biomaterial Therapeutics