

ILIAS TRYGONIARIS

RESEARCH MSC GRADUATE OF MOLECULAR MEDICINE

PROFESSIONAL SUMMARY

Motivated and detail-oriented MSc graduate of Molecular Medicine at Erasmus MC with a strong foundation in immunology, molecular biology, and translational genetics. Experienced academic research projects using both in vitro and in vivo systems, including zebrafish and human cell models. Proven ability to work independently, manage complex experiments, and analyze biological mechanisms at the molecular level. Eager to contribute to innovative research in human diseases to improve the quality of life of every patient.

EDUCATION

BACHELOR DEGREE IN BIOLOGY, ARISTOTLE UNIVERSITY OF THESSALONIKI (AUTH)

09/2017-03/2022 Grade **8.16/10**

RESEARCH MASTER IN MOLECULAR MEDICINE, ERASMUS MC

09/2023-09/2025 Grade 8.5/10 CUM LAUDEE

LABORATORY SKILLS

- **Molecular biology:** PCR, qPCR, DNA/RNA isolation, CRISPR/Cas9 gene editing, bacterial transformation, cloning
- **Protein analysis:** protein purification, Westernblot analysis, ELISA, flow cytometry
- **Cell biology:** Cell cultures with cancer cell lines, primary cell lines, transient transfection, lentiviral production and transduction
- **Imaging:** Light microscopy and confocal microscopy
- **Handling of in vivo models:** Zebrafish

RESEARCH EXPERIENCE

BACHELOR THESIS PROJECT, KONTOYIANNIS LAB, DEPARTMENT OF MOLECULAR AND CELLULAR BIOLOGY, AUTH

09/2020-10/2021

Title: **Post-transcriptional regulation of the endocytic adaptor Dab2 in innate immune cells**

Explored how RNA-binding proteins regulate DAB2 expression during macrophage activation and polarization. The work aimed to elucidate the role of post-transcriptional control in shaping innate immune responses.

**INTERSHIP PROJECT, THEAGENEIO ANTICANCER HOSPITAL
THESSALONIKI**

11/2021-12/2021

Title: Monitoring for diagnosis of Aspergillosis

**INTERSHIP PROJECT, ALVES LAB, DEPARTMENT OF CLINICAL
GENETICS, ERASMUS MC**

10/2023-07/2024

Title: Investigating the impact of two GLP2R variants on the development and function of the gastrointestinal

Studied two novel genetic variants found in patients with chronic diarrhea to determine their role in gastrointestinal dysfunction. The project combined cellular and in vivo approaches to investigate the impact of these variants on receptor function and enteric nervous system development.

**MASTER THESIS PROJECT, SCHLIEHE LAB, DEPART OF
IMMUNOLOGY, ERASMUS MC**

09/2024-08/2025

Title: Investigating the role of Snrpa and Rfwd2 in direct MHC class I presentation

Focused on understanding how specific RNA-binding proteins influence antigen presentation pathways, with a particular interest in viral mechanisms of immune evasion. Contributed to uncovering regulatory mechanisms affecting immune responses in the context of infection and cancer biology.

**WORKING
EXPERIENCE**

Military army services in 424 Military Hospital

08/2022-07/2023

**TECHNICAL &
OTHER SKILLS**

- GraphPad| FlowJo| ImageJ| Microsoft office Suite
- Fluent in English (C1 IELTS) | Greek Native speaker
- Strong scientific writing, data visualization and teamwork skills
- Ability to work under pressure