

EUGENIO SPAGNOLO

MSc Graduate in Medical Biotechnologies

Surbo, Lecce, Italy

EXPERIENCE

INTERNSHIP

International Center for Genetic Engineering and Biotechnologies (ICGEB, Trieste)

E. Buratti Molecular Pathology laboratory

MARCH 2022 – MARCH 2023

- Unraveled TDP-43 effects upon RGNEF and the influence of both proteins over the mRNA metabolism of some of their common regulated genes
- Acquired proficiency in the field of eukaryotic/bacterial cell cultures (SH-SY5Y, HEK293, DH5α E.Coli) and treatments (silencing, transfection, bacterial transformation) with the aim of modelling TDP-43 proteinopathies (ALS and FTD)
- Acquired skills in handling nucleic acids, starting from plasmid purification (MINI/MIDprep) and mRNA extraction (phenol/chloroform method as well as extraction kits) to cDNA reverse transcription
- Expertise in PCR, RT-qPCR, Western Blot, and Immunofluorescence analyses
- Basic knowledge of Capillary Electrophoresis and RNA-Immunoprecipitation (RIP) assay.

INTERNSHIP

Alma Mater Studiorum University of Bologna (Bologna)

MAY 2020 – JULY 2020

Acquisition of skills in the field of conception and design of a research project regarding synthetic torpor application in medical therapy

EDUCATION

LM-9 - 2ND LEVEL DEGREE IN PHARMACEUTICAL, VETERINARY AND MEDICAL BIOTECHNOLOGIES

University of Trieste

2020-2023

- Master's degree in Pharmaceutical, veterinary and medical biotechnologies.
- Thesis title: "TDP-43 and RGNEF involvement in mRNA processing: analysis of common regulated genes starting from a transcriptomic investigation"
- Thesis supervisor: Emanuele Buratti
- Final degree mark: 110/110 cum laude
- Graduation date: 21/03/2023

L-2 – 1ST LEVEL DEGREE IN BIOTECHNOLOGIES

University of Bologna

SURBO(LE) 10/10/23

2017-2020

- Bachelor's degree in Biotechnologies
- Thesis title: Research proposal. Synthetic torpor in medical therapy and space exploration: effects on the immune system
- Thesis supervisor: Roberto Amici
- Final degree mark: 110/110 cum laude
- Graduation date: 11/09/2020

SCIENTIFIC HIGH SCHOOL, APPLIED SCIENCES CURRICULUM

IISS E.Fermi, Lecce

- Final degree mark: 100/100 cum laude

CONFERENCES AND SEMINARS

- ICGEB 27th Annual Symposium
- ICGEB Seminars
 - Dr. David Elliot (1/06/2023)
 - Dr. Neel Bhavesh (23/03/2023)
 - Dr. Manuela Basso (19/01/2023)
 - Dr. Mauricio F. Budini (9/09/2022)
 - Dr. David Elliot (9/06/2022)

ONLINE COURSES

CPD certificate, issued by CRISPR BIOTECH ENGINEERING (CBEH_X)

- CRISPR: Revolutionizing genome editing advanced certificate program.
- Issue date 12/06/2021

REFERENCES

- Emanuele Buratti
 - buratti@icgeb.org
 - +39 040 3757316
- Francesca Paron
 - Francesca.Paron@icgeb.org
- Sara Cappelli
 - Sara.Cappelli@icgeb.org
- Yasmine Abbassi
 - yasmine.abbassi@icgeb.org

SURBO(CE) 10/10/23



SKILLS

- Wet laboratory techniques
 - Small dataset analyses and interpretation
 - Excel and GraphPad independent user
 - Javascript and Python beginner programmer
 - Fluent in English (Cambridge English Language Assessment Europass level B2)
 - Native in Italian
-

