

Name: Elena

Surname: Franganillo Tena

Project: Regulation of ERK5 alternative splicing and its role in anti-cancer therapy

Supervisor: Dr. Claudia Ghigna

Reviewer: Professor Natalia Pellegata

CURRICULUM VITAE ELENA FRANGANILLO TENA

PERSONAL DATA: Name and Surname: Elena Franganillo Tena; Date of birth: 03 October 1998; Place of birth: Badajoz (Spain); Citizenship: Spain; Address: via Abbiategrasso 207, IGM-CNR of Pavia; e-mail: elena.franganillo@igm.cnr.it; Cell. +39 375 746 4273.

FORMAL EDUCATION

October 2022-Now: PhD Program in Genetics, Molecular and Cellular Biology (XXXVIII cycle). University of Pavia (Italy).

2020-2021: Master's degree in Advanced Biotechnology. University of Extremadura (Spain).

2016-2020: Bachelor degree (first level) in Biotechnology. University of Extremadura (Spain).

2018-2019: Erasmus + Studies Mobility Program. University of Siena, Italy.

RESEARCH EXPERIENCE

March 2022-Now: Fellowship. IGM-CNR of Pavia, Italy. Title: "Study of the regulation of alternative splicing operated by the factor Nova2 during tumor vascular development". Supervisor: Dr. Claudia Ghigna.

September 2021- March 2022: Erasmus + Traineeship. IGM-CNR of Pavia, Italy. Title: "Study of alternative splicing regulation in cancer". Supervisor: Dr. Claudia Ghigna.

2021: Experimental thesis of Master's Degree in Advanced Biotechnology. Department of Biochemistry, Molecular Biology and Genetics, University of Extremadura. Title: "New molecular analysis in models of overexpression of glycosaminoglycans". Mark: 9.5/10 with honours. Supervisor: Dr. Sonia María Mulero Navarro and Dr. Angel Carlos Román García.

2020-2021: Laboratory Internship of Master's Degree in Advanced Biotechnology. Department of Biochemistry, Molecular Biology and Genetics, University of Extremadura. Mark: 9.5/10. Supervisor: Professor Sonia María Mulero Navarro.

2020: Experimental thesis of Bachelor Degree in Biotechnology. Department of Biochemistry, Molecular Biology and Genetics, University of Extremadura. Title: "Evaluation of metalloproteinase-9 as a biomarker of brain neurodegeneration induced by the neurotoxin 3-nitropropionic acid". Mark: 10/10. Supervisor: Professor Carlos Gutiérrez Merino.

TECHNICAL SKILLS AND COMPETENCES: Validation of alternative splicing events by RT-PCR. Eukaryotic cell culture. Immunofluorescence. Transfection of eukaryotic cells with plasmid vectors. Techniques of molecular biology (RNA extraction, RT-PCR, Electrophoresis, Western Blot). Genetic expression analysis by RT-qPCR. Optical and fluorescent Microscopy. In vitro angiogenesis assays. Bacterial culture in plates and liquid medium. Cloning procedures, plasmid production and purification.

LANGUAGES: **Spanish:** native level. **English:** B2 level (certificated by Online Linguistic Support). **Italian:** C2 level (certificated by the Online Linguistic Support).

AUTHOR OF POSTER ABSTRACTS

SIBMM 2022. Frontiers in molecular biology. The RNA world 3.0. June 20-22, 2022, Rome, Italy.

- Chiara Barzan, Di Matteo A, **Franganillo Tena E**, Belloni E, Pradella D, Campolungo D, Gabellini D, Alfieri R, Vermi W, Bugatti M, Ghilardi C, Giavazzi R, Ghigna C. “*A novel circuit driving aberrant ovarian cancer vasculature*”.
- Di Matteo A, Belloni E, Giannotta M, Giampietro C, Pradella D, Terenzani E, Fracassi C, **Franganillo Tena E**, Barzan C, Paronetto MP, Irimia M, Cereda M, Peirone S, Zhheng L, Turner K, Blencowe BJ, Dejana E, Ghigna C. “*A hierarchy of splicing factors integrating angiogenesis decisions*”.