CURRICULUM VITAE

PERSONAL INFORMATION

Name	**GIULIA MIGLIETTA**
Address	**VIA CODROIPO, 65, 33100, UDINE (UD)**
Phone	**+39 333 5348326**
E-mail	**giulia.miglietta11@gmail.com**
Skype contact	giulia.miglietta
Nationality	Italian
Date of birth	23/09/1987

Giulia Miglietta studied at University of Bologna where she graduated in Pharmaceutical Chemistry in 2013 by discussing her dissertation "Bioavailability of different Coenzyme Q10 formulations in cultured cells" (Prof.ssa Romana Fato, University of Bologna). In 2014, she joined the group of Prof. Luigi Xodo at the University of Udine for a fellowship where she improved her experimental skills. She then got a PhD position in the same laboratory (Department of Medicine, University of Udine). During her PhD she contributed to several research projects on DNA/RNA non-canonical structures and their role in cancer pathogenesis especially in RAS driven cancers as pancreatic and bladder tumors. She gained relevant expertise in planning experiments, in evaluating results and publishing scientific papers in peer-reviewed journals. She also shared her skill on good lab practices with younger scientists.
On March 2018, she will discuss her PhD dissertation "Unusual nucleic acid structures in the RAS genes and design of anticancer strategies".

WORK EXPERIENCE

Period	January 2018- December 2019
Employer	Prof. Giovanni Capranico
Institution	University of Bologna, Department of Pharmacy and Biotechnology FaBiT
Occupation	**Post-Doc position**
Period	November 2014– October 2017
Employer	Prof. Luigi Emilio Xodo
Institution	University of Udine, Department of Medicine
Occupation	**PhD student in Biomedical Science and Biotechnology (XXX cycle)**
Activity	Cell cultures, Cell transfections, Real Time PCR, FRET, Expression of recombinant proteins, Luciferase test, Proliferation tests, ChIP, Chromatography, Electrophoresis, Microscopy, Western Blot, RNA extraction and purification, Circular Dichroism, Spectroscopy, RNA Footprinting, Biotin-avidin Pull-down assay, Luciferase assay, Experience in using radioisotopes (32P).
Period	May 2014– October 2015
Employer	Prof. Luigi Emilio Xodo

Institution	University of Udine, Department of Medicine
Occupation	**Work contract (Collaborazione coordinata e continuativa Co.co.co)**
Activity	Cell cultures, Real Time PCR, FRET, Expression of recombinant proteins, Luciferase test, Proliferation tests, ChIP, Chromatography, Electrophoresis, Microscopy, Western Blot.

EDUCATION AND TRAINING

Period	2007-2013
Title of qualification awarded	**Master's Degree in Pharmaceutical Chemistry and Technology (105/110)**
Experimental Thesis	Bioavailability of different Coenzyme Q10 formulations in cultured cells
Supervisors	Prof.ssa Maria Laura Bolognesi and Prof.ssa. Romana Fato
Learning	Cell cultures (T67 human neuroblastome, H9c2 rat cardiomyocites, HeLa, Fibroblasts, HDF, TPC1, Hek 293); Fractionating of subcellular organelles (mitochondria); Oxygen consumption evaluation with polarimetric assays;Viability assays (MTT assay, Trypan blue assay); Liquid-liquid extraction of compounds of interest (Coenzyme Q10 e.g.); HPLC analysis and spectrophotometric detection of interesting compounds (CoQ, ATP, ADP, AMPetc); Enzimatic kinetics (cytrate synthase e.g); Protein evaluation assays (Lowry protein assay, Biuret test).

Period	2000-2006
Title of qualification awarded	**High School Graduation (93/100)**
Institution	Liceo Scientifico L. Castelnuovo
Institution Adress	Via La Marmora 18, Firenze (FI), Italy

MOTHER TONGUE

ITALIAN

OTHER LANGUAGE (S)

Reading,Listening,Speaking,Writing

English: B2, B2, B2, B2
French: B1,B2,B1,A2

DIGITAL COMPETENCE

Office (Word, Excel, Powerpoint), Sigma Plot, Graphpad, ImageJ, FlowJo, ChemBio draw

ORGANIZATIONAL SKILLS

Laboratory Assistance to foreign visiting students (Ecole de Biologie Industrielle, University of Cergy Pontoise, France)
June-August 2016 Clemence Gerard ; June-August 2017 Antoine Sencier

Alternanza Scuola-Lavoro-Campus Biomedico Macro Area Biologica e della Fisiologia
July 2017 Gaia Versolatto

PEER-REVIEWED PUBLICATIONS

Miglietta G. , Gouda AS. , Cogoi S. , Pedersen EB. and Xodo LE. (2015) Nucleic Acid Targeted Therapy: G4 Oligonucleotides Downregulate HRAS in Bladder Cancer Cells through a Decoy Mechanism. ACS Medicinal Chemistry Letters 6 (12): 1179–1183. IF: 3.74 N° Citations: 7

Miglietta G. , Cogoi S. , Pedersen EB. and Xodo LE. (2015) GC-elements controlling HRAS transcription form i-motif structures unfolded by heterogeneous ribonucleoprotein particle A1. Scientific Reports 5: 18097. IF: 4.84 N° Citations: 4

Miglietta G. , Cogoi S. , Marinello J. , Capranico G. , Tikhomirov AS. , Shchekotikhin A. and Xodo LE. RNA G-quadruplexes in Kirsten ras (KRAS) oncogene as targets for small molecules inhibiting translation. Journal of Medicinal Chemistry doi: 10.1021/acs.jmedchem.7b00622. IF: 6.25

Cogoi S., Ferino A. , **Miglietta G.** , Pedersen EB. And Xodo LE. The regulatory G4 motif of the Kirsten ras (KRAS) gene is sensitive to guanine oxidation: implications on transcription. Nucleic Acid Research (Accepted) (Manuscript ID NAR-01644-F-2017.R1). IF: 10.16

CONGRESS PARTECIPATION

EMBO/EMBI The Complex Life of mRNA (poster presentation)
5-8 October 2016 Heidelberg (GERMANY)
PhD Students Meeting Life Sciences for a better Future (oral presentation)
11-13 May 2017 Santa Margherita Ligure (GE) (ITALY)
6th International Meeting on Quadruplex Nucleic Acids: G4thering (poster presentation)
31 May -3 June 2017 Prague (CZECH REPUBLIC)