



AL MAGNIFICO RETTORE  
DELL'UNIVERSITA' DEGLI STUDI DI MILANO

COD. ID: 4012

Il sottoscritto chiede di essere ammesso a partecipare alla selezione pubblica, per titoli ed esami, per il conferimento di un assegno di ricerca presso il Dipartimento di Oncologia ed Emato-Oncologia, responsabile scientifico il Prof. Paolo Ciana

Giulia Dell'Omo

CURRICULUM VITAE

PERSONAL INFORMATION

Surname	Dell'Omo
Name	Giulia
Date of birth	22 January 1990

PRESENT OCCUPATION

Appointment	Structure
PhD Student	University of Milan

EDUCATION AND TRAINING

Degree	Course of studies	University	year of achievement of the degree
Degree	Pharmaceutical Biotechnology	University of Milan	2015
Specialization			
PhD			
Master			
Degree of medical specialization			
Degree of European specialization			



Other			
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FOREIGN LANGUAGES

Languages	level of knowledge
English	Advance

AWARDS, ACKNOWLEDGEMENTS, SCHOLARSHIPS

Year	Description of award
2018	EMBO short-Term Fellowship (n7611) to support my visit on the lab of Professor Adrian Harris at University of Oxford.
2017	ABCD travel grant for “The Biennial Congress of the Italian Association of Cell Biology and Differentiation” Bologna 20-23 September 2017.
2017	“YOUNG INNOVATORS, Italy 2017” MIT Technology Review TR35. Bologna Business School, Bologna 21-22 June 2017.
2015	PhD Fellowship “Doctorate School in Experimental and Clinical Pharmacological Sciences”, University of Milan.
2015	“Borsa Giovani Promettenti” University of Milan.

TRAINING OR RESEARCH ACTIVITY

**May 2018 – July 2018**

Visitor Scientist. EMBO Short-Term fellowship n7611

The MRC Weatherall Institute of Molecular Medicine, University of Oxford, OX3 9DS, Oxford UK.

Supervisor: Professor Adrian L Harris.

The project was projected to understand the mechanism by which Non Steroidal Antiinflammatory Drugs (NSAIDs), are able to inhibit angiogenesis and to study the interplay among NSAIDs and the novel target in tumor conditions as hypoxia. If successful, this project will unravel a key node of angiogenesis modulation in cancer cells providing support for the development of new molecules for cancer chemoprevention.

**October 2015 – Ongoing**

PhD fellow, Doctorate in Experimental and Clinical Pharmacological Sciences.

Department of Pharmaceutical and Biomolecular Sciences, University of Milan, 20133 Milan, Italy.



Supervisor: Professor Paolo Ciana

I'm working on the characterization of the inhibitory activity of NSAIDs, for their anti-cancer and chemopreventive properties on novel target. Interestingly I discover a new target for antitumor activity of NSAIDs and, I confirm the data obtained *in vitro*, *in vivo* showing the role of NSAIDs on novel target. The *in vivo* studies include mouse model of chemical carcinogenesis in reporter mice for proliferation, inflammation and oxidative stress (all animal experimentation was approved by the Italian Ministry of the Research and University). My hypothesis is that by uncoupling the anti-inflammatory and anti-cancer properties of NSAIDs, it will be possible to develop NSAID derivatives as powerful and safer anti-tumor agents.

**April 2015 – September 2015**

Research fellow, fellowship for promising young student

Department of Pharmaceutical and Biomolecular Sciences, University of Milan, 20133 Milan, Italy.

Supervisor: Professor Paolo Ciana.

The focus of the project was to develop *in vitro* and *in vivo* bioluminescent tools to study the effect of several commonly used compounds as endocrine disruptors on reproductive system using MCF7 breast cancer cell line stable transfected with estrogen receptor alpha (ER $\alpha$ ) luciferase reporter.

**Mar 2014 – Mar 2015**

Master Degree Project

Department of Pharmaceutical and Biomedical Sciences, University of Milan, Italy.

Supervisor: Professor Paolo Ciana

RNA Pol II elongation is blocked at the ER $\alpha$  polymorphic intronic site. My project was directed to investigate the role of attenuation in the onset of hormone refractory breast cancer. I studied the attenuation mechanism and its modulation of ER $\alpha$  in triple negative breast cancer cell line MDAMB 468, in MCF7 ICI and MCF7 tamoxifen resistant cell lines.

## CONGRESSES AND SEMINARS

Date	Title	Place
25-28 October 2017	38 <sup>th</sup> National Meeting of Italian Pharmacology Society	Rimini
20-23 September 2017	The Biennial Congress of the Italian Association of Cell Biology and Differentiation	Bologna
29 July 2017	NEXT STEP 8, La giovane ricerca avanza.	Milano
21-22 June 2017	MIT Young Innovators Under 35, Italy.	Bologna
26-28 April 2017	Spring Camp I edition, Doctorate in Experimental and Clinical Pharmacological Sciences.	Gargnano



13 July 2016	NEXT STEP 7, La giovane ricerca avanza.	Milano
7-9 April 2016	ABCD National PhD Meeting 2016	Salerno
27-30 October 2015	37 <sup>th</sup> National Meeting of Italian Pharmacology Society.	Napoli
2 July 2015	NEXT STEP 6, La giovane ricerca avanza.	Milano

## PUBLICATIONS

Articles in reviews	
1.	"The laminA/NF-Y protein complex reveals an unknown transcriptional mechanism on cell proliferation". Oncotarget. 2017; 8:2628-2646. L Cicchillitti, I Manni, C Mancone, T Alonzi, F Carlomosti, ML Dell'Anna, <u>G Dell'Omo</u> , M Picardo, P Ciana, M Colognesi Capogrossi, M Tripodi, A Magenta, MG Rizzo, A Gurtner and G Piaggio.
2.	"Bioluminescence imaging of estrogen receptor activity during breast cancer progression". American Journal of Nuclear Medicine and Molecular Imaging. 2016; 6:32-41. C Vantaggiato <sup>1</sup> , <u>G Dell'Omo</u> <sup>1</sup> , B Ramachandran, I Manni, E Radaelli, E Scanziani, G Piaggio, A Maggi and P Ciana. <sup>1</sup> Equal contributors.
3.	"Inhibition of SIRT1 deacetylase uncouples anti-inflammatory and chemopreventive actions of NSAIDs". British Journal of Cancer 2018, Manuscript under second revision. <u>G Dell'Omo</u> , C Vantaggiato, C Parravicini, AP Borroni, N Rizzi, A Pinto, C Recordati, E Scanziani, FD Bassi, G Pruneri, P Conti, I Eberini, A Maggi and P Ciana.

Declarations given in the present curriculum must be considered released according to art. 46 and 47 of DPR n. 445/2000.

The present curriculum does not contain confidential and legal information according to art. 4, paragraph 1, points d) and e) of D.Lgs. 30.06.2003 n. 196.

Place and date: Milano, 9/9/2018

SIGNATURE

*Giulio Dell'Omo*