



Europass Curriculum Vitae

Personal information

First name/ Surname

Elisabetta Valentini

Desired employment / Occupational field

Researcher

Education and training

From January 1st 2017 to present

Fellowship from Italian Foundation for Cancer Research (FIRC) at the Laboratory directed by Dr. Donatella Del Bufalo, Preclinical Models and New Therapeutic Agents Unit, IRCCS Regina Elena National Cancer Institute, Rome, Italy

From September 1st 2016 to July 2016

Postdoctoral fellow at the Laboratory directed by Prof. Paola Caiafa, Department of Cellular Biotechnologies and Hematology
"Sapienza" University of Rome

March 3rd 2016

PhD in Human Biology and Genetics with great honors
"Sapienza" University of Rome - Piazzale Aldo Moro, 5 – Rome

From November 1st 2011, March 3rd 2016

PhD student in Human Biology and Genetics. PhD course coordinator: Prof. Paola Londei
Laboratory directed by Prof. Paola Caiafa, Department of Cellular Biotechnologies and Hematology
"Sapienza" University of Rome

July 21, 2011

Master Degree in Genetic and Molecular Biology
110/110 cum laude
"Sapienza" University of Rome - Piazzale Aldo Moro, 5 – Rome

April 28, 2009

Bachelor Degree in Life sciences
110/110 cum laude
"Sapienza" University of Rome - Piazzale Aldo Moro, 5 – Rome

2005

High School Degree
91/100
Liceo Scientifico "Augusto Righi" via Campania, 63 -- Rome

Personal skills and competences

Human and mouse cell cultures: gene silencing and expression by transfection.
Lymphocyte purification from human peripheral blood by centrifugation.
Bacterial cultures and transformations.
DNA extraction and analysis (digestion with restriction enzymes, analysis by agarose gels), cloning, PCR, sequencing.
RNA extraction and analysis (RT PCR, Real-Time PCR).
Chromatin immunoprecipitation (ChIP).
In vitro analysis of enzymatic activity and protein-protein interactions (GST-pull down, immunoprecipitation).
Proteins extraction and analysis (Western Blotting).
Immunohistochemistry , immunofluorescence.
ELISA assay, MTT aasay.
Migration and invasion assays. Vasculogenic mimicry.

Mother tongue(s)

Italian

Other language(s)

English

Self-assessment

European level ()*

English

Understanding		Speaking		Writing
Listening	Reading	Spoken interaction	Spoken production	
B2	B2	B2	B2	B2

(*) [Common European Framework of Reference for Languages](#)

Computer skills and competences

Excellent use of Microsoft Windows, Microsoft Office, GraphPad Prism, EndNote, Adobe Photoshop.

Publications

D'Aguanno S*, **Valentini E***, Tupone MG, Desideri M, Di Martile M, Spagnuolo M, Buglioni S, Ercolani C, IFalcone I, De Dominicis M, Milella M, Rizzo MG, Calabretta B, Cota C, Anichini A, Trisciuglio D, Del Bufalo D. Semaphorin 5A drives melanoma progression: role of Bcl-2, miR-204 and c-Myb. JECRCR 2018. * these authors contributed equally to this work

Ciccarone F*, **Valentini E***, Malavolta M, Zampieri M, Bacalini MG, Calabrese R, Guastafierro T, Reale A, Franceschi C, Capri M, Breusing N, Grune T, Moreno-Villanueva M, Bürkle A, Caiafa P. DNA hydroxymethylation levels are altered in blood cells from Down syndrome persons enrolled in the MARK-AGE project. J Gerontol A Biol Sci Med Sci 2017. * these authors contributed equally to this work

Valentini E, Zampieri M, Malavolta M, Bacalini MG, Calabrese R, Guastafierro T, Reale A, Franceschi C, Hervonen A, Koller B, Bernhardt J, Slagboom PE, Toussaint O, Sikora E, Gonos ES, Breusing N, Grune T, Jansen E, Dollé ME, Moreno-Villanueva M, Sindlinger T, Bürkle A, Ciccarone F, Caiafa P. Analysis of the machinery and intermediates of the 5hmC-mediated DNA demethylation pathway in aging on samples from the MARK-AGE Study. Aging 2016.

Ciccarone F, **Valentini E**, Zampieri M, Caiafa P. 5mC-hydroxylase activity is influenced by the PARylation of TET1 enzyme. Oncotarget 2015.

Mariano G, Ricciardi MR, Zampieri M, Ciccarone F, Guastafierro T, Calabrese R, **Valentini E**, Tafuri A, Caiafa P, Reale A. PARP inhibitor ABT-888 affects response of MDA-MB-231 cells to doxorubicin treatment, targeting Snail expression. Oncotarget 2015.

Ciccarone F, **Valentini E**, Bacalini MG, Zampieri M, Calabrese R, Guastafierro T, Mariano G, Reale A, Franceschi C, Caiafa P. Poly(ADP-ribosyl)ation is involved in the epigenetic control of *TET1* gene transcription. Oncotarget 2014.

Calabrese R, **Valentini E**, Ciccarone F, Guastafierro T, Bacalini MG, Ricigliano VA, Zampieri M, Annibali V, Mechelli R, Franceschi C, Salvetti M, Caiafa P. TET2 gene expression and 5-hydroxymethylcytosine level in multiple sclerosis peripheral blood cells. Biochim Biophys Acta 2014.

Valentini E, Cherchi S, Possenti A, Dubremetz JF, Pozio E, Spano F. Molecular characterisation of a *Cryptosporidium parvum* rhoptry protein candidate related to the rhoptry neck proteins TgRON1 of *Toxoplasma gondii* and PfASP of *Plasmodium falciparum*. Mol Biochem Parasitol. 2012.

Seminars

- June 13 2013, The New Epigenetic Mark: 5-Hydroxymethylcytosine – What is its Function?
Cancer Research UK Cambridge Institute, UK
- May 31-June 1, 2013 XXV NATIONAL CONGRESS "I PROCESSI DI ADP-RIBOSILAZIONE", Pavia, Italy.
- May 29-30 2013, Conference FISM ANNUAL SCIENTIFIC CONGRESS ITALIAN ASSOCIATION MULTIPLE SCLEROSIS AND ITS FOUNDATION—
Rome, Italy

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