



Europass Curriculum Vitae

Personal information

First name/ Surname **Elisabetta Valentini**

Address Via Colonna, 20
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Italy

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E-mail elisabetta.valentini@ifp.gov.it

Nationality Italian

Date of birth 19/04/1986

Gender Female

Present position Post-Doc Researcher

Work Experience From January 1st 2017 to present
Fellowship from Italian Foundation for Cancer Research (FIRC) under the supervision of Dr. Donatella Del Bufalo, at the Preclinical Models and New Therapeutic Agents Unit, IRCCS Regina Elena National Cancer Institute, Rome, Italy

From September 1st 2016 to December 2016
Postdoctoral fellow at the Laboratory directed by Prof. Paola Caiafa, Department of Cellular Biotechnologies and Hematology
"Sapienza" University of Rome

Education and training 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

Education and training 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

Technical skills and competences Human and mouse cell cultures: gene silencing and expression. Migration, invasion and mimicry assays.
 Lymphocyte purification from human peripheral blood.
 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 and MTT assays.

Mother tongue(s) Italian

Other language(s) English

Self-assessment <i>European level (*)</i>	Understanding		Speaking		Writing
	Listening	Reading	Spoken interaction	Spoken production	
English	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

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.

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.



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