

# EUROPEAN CURRICULUM VITAE FORMAT

## WORK EXPERIENCE

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| <ul style="list-style-type: none"> <li>• Dates (from – to)</li> <li>• Name and address of employer</li> <li>• Type of business or sector</li> <li>• Occupation or position held</li> <li>• Main activities and responsibilities</li> </ul> | <p>From November 2018 – present</p> <p>IRCCS Istituto Romagnolo per lo Studio dei Tumori "Dino Amadori"- IRST. via Piero Maroncelli, 40 - 47014 Meldola (FC), Italy</p> <p>IRCCS, Research Institution</p> <p>Researcher</p> <p>Head of the Immuno-Hematology Unit (since December 2018).</p>  |
| <ul style="list-style-type: none"> <li>• Dates (from – to)</li> <li>• Name and address of employer</li> <li>• Type of business or sector</li> <li>• Occupation or position held</li> <li>• Main activities and responsibilities</li> </ul> | <p>From July 2013 – to October 2018</p> <p>Department of Experimental, Diagnostic and Specialty Medicine, Institute of Hematology "L. e A. Seràgnoli", via Massarenti,9 – 40138, Bologna, Italy</p> <p>Research Institution</p> <p>Post Doctoral Fellow</p> <p>Molecular mechanisms of Acute Myeloid Leukemia</p>  |
| <ul style="list-style-type: none"> <li>• Dates (from – to)</li> <li>• Name and address of employer</li> <li>• Type of business or sector</li> <li>• Occupation or position held</li> <li>• Main activities and responsibilities</li> </ul> | <p>From January 2013 - to June 2013</p> <p>Division of Molecular Oncology, San Raffaele Scientific Institute, via Olgettina, 58 – 20132, Milano, Italy</p> <p>Research Institution</p> <p>Post Doctoral Fellow</p> <p>Role of SIGLEC-G/SIGLEC10 in B lymphoid malignancies</p>   |
| <ul style="list-style-type: none"> <li>• Dates (from – to)</li> <li>• Name and address of employer</li> <li>• Type of business or sector</li> <li>• Occupation or position held</li> <li>• Main activities and responsibilities</li> </ul> | <p>From October 2010 - to December 2012</p> <p>Herbert Irving Comprehensive Cancer Center, Columbia University, 1130 St Nicholas Ave, New York, NY - 10032, USA</p> <p>Research Institution</p> <p>PhD student (October 2010 – April 2012), Post Doctoral Fellow (April 2012 – December 2012)</p> <p>Role of Interferon Regulatory Factor 4 (IRF4) in mature B cell development and malignancy</p> |
| <ul style="list-style-type: none"> <li>• Dates (from – to)</li> <li>• Name and address of employer</li> <li>• Type of business or sector</li> <li>• Occupation or position held</li> <li>• Main activities and responsibilities</li> </ul> | <p>From January 2009 – to September 2010</p> <p>Division of Molecular Oncology, San Raffaele Scientific Institute, via Olgettina, 58 – 20132, Milano, Italy</p> <p>Research Institution</p> <p>PhD student</p> <p>Study of the pathogenesis of B lymphoid malignancies using mouse models</p>  |
| <ul style="list-style-type: none"> <li>• Dates (from – to)</li> <li>• Name and address of employer</li> <li>• Type of business or sector</li> <li>• Occupation or position held</li> <li>• Main activities and responsibilities</li> </ul> | <p>From October 2008 – to December 2008</p> <p>Division of Molecular Oncology, San Raffaele Scientific Institute, via Olgettina, 58 – 20132, Milano, Italy</p> <p>Research Institution</p> <p>Research fellow</p> <p>Study of the pathogenesis of chronic lymphoproliferative diseases using mouse models</p>  |
| <ul style="list-style-type: none"> <li>• Dates (from – to)</li> <li>• Name and address of employer</li> <li>• Type of business or sector</li> <li>• Occupation or position held</li> <li>• Main activities and responsibilities</li> </ul> | <p>From September 2007 – to September 2008</p> <p>Division of Molecular Oncology, San Raffaele Scientific Institute, via Olgettina, 58 – 20132, Milano, Italy</p> <p>Research Institution</p> <p>Intern</p> <p>In vivo models of chronic B lymphoid malignancies: molecular and functional characterization</p>  |

- Dates (from – to)
- Name and address of employer
- Type of business or sector
- Occupation or position held
- Main activities and responsibilities

From April 2006 – to July 2006  
 Department of Oncology, "Rizzoli" Orthopaedic Institute, Via Giulio Cesare Pupilli, 1 – 40136, Bologna, Italy  
 Research Institution  
 Intern  
 Identification of potential biomarkers for sarcoma of bone using comparative proteomics analysis

## EDUCATION AND TRAINING

- Dates (from – to)
- Name and type of organisation providing education and training
- Principal subjects/occupational skills covered
- Title of qualification awarded

From 2009 to 2012  
 University of Milano Bicocca, Milano, Italy  
 PhD in Molecular and Translational Medicine  
 PhD degree

- Dates (from – to)
- Name and type of organisation providing education and training
- Principal subjects/occupational skills covered
- Title of qualification awarded

From 2006 to 2008  
 Vita-Salute San Raffaele University, Milano, Italy  
 Degree in Medical, Molecular, and Cellular Biotechnology  
 Master's degree

- Dates (from – to)
- Name and type of organisation providing education and training
- Principal subjects/occupational skills covered
- Title of qualification awarded

From 2003 to 2006  
 "Alma Mater Studiorum" University of Bologna, Italy  
 Degree in Biotechnology,  
 Bachelor's degree

## PERSONAL SKILLS AND COMPETENCES

### MOTHER TONGUE OTHER LANGUAGES

#### ITALIAN

#### ENGLISH

- Reading skills
- Writing skills
- Verbal skills

VERY GOOD  
 VERY GOOD  
 VERY GOOD

### SOCIAL SKILLS AND COMPETENCES

Prolonged experience abroad in a multicultural setting and great skills in working together with other people.

### ORGANISATIONAL SKILLS AND COMPETENCES

Great capacity of interacting with people, of keep contacts with international scientific groups and of organizing the work. Experience in coordination of team work.

### TECHNICAL SKILLS AND COMPETENCES

Molecular biology (DNA/RNA extraction, PCR/RT-PCR, qPCR, cloning, NGS, omics technologies); biochemistry (immunoprecipitation, immunoblot, immunohistochemistry, immunofluorescence); cell biology (flow cytometry, cell culture, cell transfection and infection); animal handling and necropsy; bioinformatics (analysis of gene expression array data); computer competences (Office: Word, Excel, PowerPoint; Adobe: Photoshop, Illustrator; GraphPad Prism; softwares to design PCR primers and probes).

ARTISTIC SKILLS/COMPETENCES	NOT APPLICABLE.
OTHER SKILLS, COMPETENCES	Experience in research projects and grant writing.

#### ADDITIONAL INFORMATION

- H-index : 19 (Scopus).
- Co-authors of 54 peer-reviewed manuscripts on immunology, oncology and hematology and in particular on acute leukemias, published in high level peer-reviewed journals, including Blood, JEM, Leukemia, Molecular Cancer, Blood Cancer Journal.
- Co-authors of more than 50 peer-reviewed published abstracts.
- Invited or selected speaker at more than 20 national/international congresses.
- Recipient of 2 research awards and 9 abstract achievement awards.
- Recipient of 3 grants/fellowships in competitive research calls.
- Associate Editor of the journal *Hematology Reports*.
- Reviewer activity: *Leukemia*, *Blood*, *BioMed Research International*, *Hematology Reports*, *International Journal of Cancer*, *Scientific Reports*, *Oncology Reports*, *Cancers*, *Biochimie*, *Cell communication and signalling*, *Cells*, *Journal of Immunology Research*, *Frontiers in Oncology*.
- Project reviewer: Associazione Damiano per l'Ematologia, European Hematology Association.
- From 2018-present: registration to the National Order of Biologists.
- 2019: National Scientific Qualification for Assistant Professor in Molecular Biology (05/E2, Italian Ministry of Education, University and Research).
- From Jan 2020-present : Preclinical coordinator of the Hematology Working group, Alleanza Contro il Cancro (ACC) IRCCS Network.

#### ANNEXES

1. List of awards.
2. List of funding and research project collaborations.
3. List of peer-reviewed scientific publications

*I authorize the treatment of my personal data as D. lgs. 196/2003.*

Meldola, September, 9<sup>th</sup>, 2021

## 1. AWARDS

- October 2020: Award for best poster presentation at the *5th ACC Annual Meeting*, October 28-30, 2020, virtual.
- June 2019: Travel grant, *24th EHA congress*, June 13-16, 2019, Amsterdam, The Netherlands.
- July 2016: Travel grant, *XIII Congresso Nazionale della Società Italiana di Ematologia Sperimentale*, October 19-21, 2016, Rimini, Italy.
- June 2016: Travel grant, *21st EHA congress*, June 9-12, 2016, Copenhagen, Denmark.
- Nov 2015: Award "ALFREDO SAIARDI" 2015 to the best project dissecting the molecular mechanisms of malignant transformation and progression.
- Dec 2014: ASH Abstract Achievement Award, *56th ASH Annual Meeting*, December 4-9, 2014, San Francisco, California, USA.
- July 2014: Travel grant, *XIII Congresso Nazionale della Società Italiana di Ematologia Sperimentale*, October 15-17, 2014.
- June 2013: Award for best PhD thesis in onco-hematology, Premio Giuseppe Bigi 2013. Thesis title: "B lymphoid malignancies: insights from mouse models", discussed in March 2012.
- Oct 2011: Travel grant, Fondazione Cariplo to attend the *53rd ASH Annual Meeting and Exposition* (December 2011).
- Oct 2011: Award for best poster at *XIV iwCCL*, October 28-30, 2011, Houston, Texas, USA.
- June 2010: Study award in support of research experiences in a foreign country, Fondazione Cariplo.

## 2. FUNDING AND RESEARCH PROJECT COLLABORATIONS

Collaborator of one ERA-PerMed European research project (2020-2022), one MyFirst AIRC Grant (2017-2019), three AIRC Investigator Grants (2017-2019, 2019-2021, 2020-2024), one NIH R21 research project.

- Principal Investigator of a research project supported by Club Service Cesena, 2020.
- Co-Principal Investigator of a research project supported by Celgene, 2018- 2021.
- Principal Investigator, Alma Idea Junior Research Grant, University of Bologna, 2018-2019.
- Recipient of the Non-Clinical junior research fellowship from European Hematology Association (EHA), 2015-2019.
- Recipient of the American-Italian Cancer Foundation Post-Doctoral Research Fellowship, 2012.

### 3. SCIENTIFIC PUBLICATIONS

- Ghelli Luserna Di Rorà A, Ghetti M, Ledda L, Ferrari A, Bocconcelli M, Padella A, Napolitano R, Fontana MC, Liverani C, Imbrogno E, Bochicchio MT, Paganelli M, Robustelli V, Sanogo S, Cerchione C, Fumagalli M, Rondoni M, Imovilli A, Musuraca G, Martinelli G, Simonetti G. Exploring the ATR-CHK1 pathway in the response of Doxorubicin-induced DNA damages in acute lymphoblastic leukemia cells. *Cell Biology and Toxicology* 2021 [in press].
- Maifrede S, Viet Le B, Nieborowska-Skorska M, Golovine K, Sullivan-Reed K, Dunuwille WMB, Nacson J, Hulse M, Keith K, Madzo J, Caruso LB, Gazze Z, Lian Z, Padella A, Chitrana KN, Bartholdy BA, Matlawska-Wasowska K, Di Marcantonio D, Simonetti G, Greiner G, Sykes SM, Valent P, Paietta EM, Tallman MS, Fernandez HF, Litzow MR, Minden MD, Huang J, Martinelli G, Vassiliou GS, Tempera I, Piwocka K, Johnson N, Challen GA, Skorski T. TET2 and DNMT3A Mutations Exert Divergent Effects on DNA Repair and Sensitivity of Leukemia Cells to PARP Inhibitors. *Cancer Res* 2021 [in press].
- Cantelli A, Malferrari M, Soldà A, Simonetti G, Forni S, Toscanella E, Mattioli EJ, Zerbetto F, Zanelli A, Di Giosia M, Zangoli M, Barbarella G, Rapino S\*, Di Maria F\*, Calvaresi M\*. Human Serum Albumin–Oligothiophene Bioconjugate: A Phototheranostic Platform for Localized Killing of Cancer Cells by Precise Light Activation. *JACS Au* 2021; 7:925-935.
- Simonetti G\*, Mengucci C\*, Padella A, Fonzi E, Picone G, Delpino C, Nanni J, De Tommaso R, Franchini E, Papayannidis C, Marconi G, Pazzaglia M, Perricone M, Scarpi E, Fontana MC, Bruno S, Tebaldi M, Ferrari A, Bochicchio MT, Ghelli Luserna Di Rorà A, Ghetti M, Napolitano R, Astolfi A, Baldazzi C, Guadagnuolo V, Ottaviani E, Iacobucci I, Cavo M, Castellani G, Haeflrich T, Remondini D, Capozzi F, Martinelli G. Integrated genomic-metabolic classification of acute myeloid leukemia defines a subgroup with NPM1 and cohesin/DNA damage mutations. *Leukemia*. 2021 [in press].
- Simonetti G, Angeli D, Petracci E, Fonzi E, Vedovato S, Sperotto A, Padella A, Ghetti M, Ferrari A, Robustelli V, Di Liddo R, Conconi M.T, Papayannidis C, Cerchione C, Rondoni M, Astolfi A, Ottaviani E, Martinelli G, Gottardi M. Adrenomedullin Expression Characterizes Leukemia Stem Cells and Associates With an Inflammatory Signature in Acute Myeloid Leukemia. *Frontiers in Oncology* 2021; 11:684396.
- Martino M, Canale FA, Alati C, Vincelli ID, Moscato T, Porto G, Loteta B, Naso V, Mazza M, Nicolini F, Ghelli Luserna di Rorà A, Simonetti G, Ronconi S, Ceccolini M, Musuraca G, Martinelli G, Cerchione C. CART-Cell Therapy: Recent Advances and New Evidence in Multiple Myeloma. *Cancers (Basel)*. 2021;13(11):2639.
- Fontana MC, Nanni J, Ghelli Luserna di Rorà A, Petracci E, Padella A, Ghetti M, Ferrari A, Marconi G, Soverini S, Iacobucci I, Papayannidis C, Curti A, Audisio E, Giannini MB, Rondoni M, Lanza F, Cavo M, Martinelli G, Simonetti G. Pharmacological Inhibition of WIP1 Sensitizes Acute Myeloid Leukemia Cells to the MDM2 Inhibitor Nutlin-3a. *Biomedicines*. 2021; 9(4):388.
- Marconi G, Giannini MB, Bagnato G, Simonetti G, Cerchione C, Mosquera Orgueira A, Musuraca G, Martinelli G. The safety profile of FLT3 inhibitors in the treatment of newly diagnosed or relapsed/refractory acute myeloid leukemia. *Expert Opin Drug Saf*. 2021; 14:1-9.
- Simonetti G, Boga C, Durante J, Micheletti G, Telese D, Caruana P, Ghelli Luserna di Rorà A, Mantellini F, Bruno S, Martinelli G, Calonghi N. Synthesis of novel tryptamine derivatives and their biological activity as antitumor agents. *Molecules* 2021; 26(3):683.
- Forte D, Barone M, Morsiani C, Simonetti G, Fabbri F, Bruno S, Bandini E, Sollazzo D, Collura S, Deregibus MC, Auteri G, Ottaviani E, Vianelli N, Camussi G, Franceschi C, Capri M, Palandri F, Cavo M, Catani L. Distinct profile of CD34+ cells and plasma-derived extracellular vesicles from triple-negative patients with myelofibrosis reveals potential markers of aggressive disease. *Journal of Experimental & Clinical Cancer Research* 2021; 40(1):49.

- Padella A, Fontana MC, Marconi G, Fonzi E, Petracci E, Ferrari A, Baldazzi C, Papayannidis C, Ghelli Luserna Di Rora A, Testoni N, Castellani G, Haferlach T, Martinelli G, Simonetti G. Loss of PALB2 predicts poor prognosis in acute myeloid leukemia and suggests novel therapeutic strategies targeting the DNA repair pathway. *Blood Cancer J* 2021; 11(1):7.
- Giudice V, Ghelli Luserna di Rorà A, Serio B, Guariglia R, Giannini MB, Ferrari A, Simonetti G, Selleri C, Martinelli G. Axitinib in Ponatinib-Resistant B-Cell Acute Lymphoblastic Leukemia Harboring a T315L Mutation. *Int J Mol Sci.* 2020; 21(24):9724.
- Ferrari A, Ghelli Luserna Di Rora A, Domizio C, Papayannidis C, Simonetti G, Hernández-Rivas JM, Rondoni M, Giglio F, Abruzzese E, Imovilli A, Iacobucci A, Calistri D\*, Martinelli G\*. Rearrangements of ATP5L-KMT2A in acute lymphoblastic leukemia. *BJH* 2020 [in press].
- Gottardi M, Sperotto A, Ghelli Luserna Di Rorà A, Padella A, Cangini D, Giannini MB, Simonetti G, Martinelli G, Cerchione C. Gemtuzumab ozogamicin in acute myeloid leukemia: past, present and future. *Minerva Med.* 2020;111(5):395-410.
- Cangini D, Silimbani P, Cafaro A, Giannini MB, Masini C, Ghelli Luserna Di Rorà A, Simonetti G, Martinelli G, Cerchione C. Tagraxofusp and anti-CD123 in blastic plasmacytoid dendritic cell neoplasm: a new hope. *Minerva Med.* 2020; 111(5):467-477.
- Cafaro A, Giannini MB, Silimbani P, Cangini D, Masini C, Ghelli Luserna Di Rorà A, Simonetti G, Martinelli G, Cerchione C. CPX-351-Daunorubicin-cytarabine liposome: a novel formulation to treat patients with newly diagnosed secondary acute myeloid leukemia. *Minerva Med.* 2020; 111(5):455-466.
- Ghelli Luserna di Rorà A, Cerchione C, Martinelli G, Simonetti G. A WEE1 family business: regulation of mitosis, cancer progression and therapeutic target. *J Hematol Oncol.* 2020; 13(1):126.
- Napolitano S, De Matteis S, Carloni S, Bruno S, Abbati G, Capelli L, Ghetti M, Bochicchio MT, Liverani C, Mercatali L, Calistri D, Cuneo A, Menon K, Musuraca G, Martinelli G, Simonetti G. Kevetrin induces apoptosis in TP53 wild type and mutant acute myeloid leukemia cells. *Oncol. Rep.* 2020; 44(4):1561-1573.
- Salvestrini V, Ciciarello M, Pensato V, Simonetti G, Laginestra MA, Bruno S, Pazzaglia M, De Marchi E, Forte D, Orecchioni S, Martinelli G, Bertolini F, Mendez-Ferrer S, Adinolfi E, Di Virgilio F, Cavo M, Curti A. Denatonium as a bitter taste receptor agonist modifies transcriptomic profile and functions of acute myeloid leukemia cells. *Front Oncol.* 2020; 10:1225.
- Ghetti M, Vannini I, Storlazzi CT, Martinelli G, Simonetti G. Linear and circular *PVT1* in hematological malignancies and immune response: two faces of the same coin. *Mol Cancer.* 2020; 19(1):69.
- Cerchione C, Martinelli G, Pedatella S, De Nisco M, Pugliese N, Manfra M, Marra N, Ronconi S, De Giorgi U, Altini M, Simonetti G, Di Rorà AGL, Bravaccini S, Catalano L, Dora Iula V, Pagano F, Picardi M, Bolognese A, Pane F, Martinelli V. An 1H NMR study of the cytarabine degradation in clinical conditions to avoid drug waste, decrease therapy costs and improve patient compliance in acute leukemia. *Anticancer Drugs.* 2020; 1:67-72.
- Bruno S, Bochicchio MT, Franchini E, Padella A, Marconi G, Ghelli Luserna di Rorà A, Venturi C, Raffini M, Prisinzano G, Ferrari A, Bandini L, Robustelli V, Pazzaglia M, Fontana MC, Sartor C, Abbenante MC, Papayannidis C, Soverini S, Ottaviani E, Simonetti G, Martinelli G. Identification of Two DNMT3A Mutations Compromising Protein Stability and Methylation Capacity in Acute Myeloid Leukemia. *J Oncol.* 2019; 30:5985923.
- Padella A\*, Simonetti G\*, Paciello G, Giotopoulos G, Baldazzi C, Righi S, Ghetti M, Stengel A, Guadagnuolo V, De Tommaso R, Papayannidis C, Robustelli V, Franchini E, Rorà AGLD, Ferrari A, Fontana MC, Bruno S, Ottaviani E, Soverini S, Storlazzi CT, Haferlach C, Sabattini E, Testoni N, Iacobucci I, Huntly BJP, Ficarra E, Martinelli G. Novel and Rare Fusion Transcripts Involving

Transcription Factors and Tumor Suppressor Genes in Acute Myeloid Leukemia. *Cancers (Basel)*. 2019;11(12).

- Ghelli Luserna di Rorà A, Martinelli G, Simonetti G. The balance between mitotic death and mitotic slippage in acute leukemia: a new therapeutic window? *J Hematol Oncol*. 2019; 12(1):123.
- Ghelli Luserna Di Rorà A, Bocconcelli M, Ferrari A, Terragna C, Bruno S, Imbrogno E, Beeharry N, Robustelli V, Ghetti M, Napolitano R, Chirumbolo G, Marconi G, Papayannidis C, Paolini S, Sartor C, Simonetti G, Yen TJ, Martinelli G. Synergism Through WEE1 and CHK1 Inhibition in Acute Lymphoblastic Leukemia. *Cancers (Basel)*. 2019; 11(11).
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- Simonetti G, Bruno S, Padella A, Tenti E, Martinelli G. Aneuploidy : Cancer strength or vulnerability ? *International Journal of Cancer* 2019; 144(1):8-25.
- Simonetti G\*, Padella A\*, do Valle IF, Fontana MC, Fonzi E, Bruno S, Baldazzi C. Guadagnuolo V, Manfrini M, Ferrari A, Paolini S, Papayannidis C, Marconi G, Franchini E, Zuffa E, Laginestra MA, Zanotti F, Astolfi A, Iacobucci I, Bernardi S, Sazzini M, Ficarra E, Hernandez JM, Vandenberghe P, Cools J, Bullinger L, Ottaviani E, Testoni N, Cavo M, Haferlach T, Castellani G, Remondini D, Martinelli G. Aneuploid acute myeloid leukemia exhibits a signature of genomic alterations in the cell cycle and protein degradation machinery. *Cancer* 2019; 125(5):712-725.
- do Valle IF\*, Menichetti G\*, Simonetti G\*, Bruno S, Zironi I, Durso SF, Mombach JCM, Martinelli G, Castellani G, Remondini D. Network integration of multi-tumour omics data suggests novel targeting strategies. *Nat. Commun*. 2018; 9(1):4514.
- Tenti E, Simonetti G, Bochicchio MT, Martinelli G. Main changes in European Clinical Trials Regulation (No 536/2014). *Contemporary CLinical Trials Communications* 2018; 1:99-101.
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- do Valle IF, Giampieri E, Simonetti G, Padella A, Manfrini M, Ferrari A, Papayannidis C, Zironi I, Garonzi M, Bernardi S, Delledonne M, Martinelli G, Remondini D, Castellani G. Optimized pipeline of MuTect and GATK tools to improve the detection of somatic single nucleotide polymorphisms in whole-exome sequencing data. *BMC Bioinformatics* 2016;17(Suppl 12):341.

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