

## **CURRICULUM VITAE**

### **Contact Details**

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**Current position** Head Flow Cytometry Unit  
Flow Cytometry and Sorting Specialist  
Flow Cytometry Unit  
Department of Experimental Oncology  
European Institute of Oncology  
Via Adamello, 16 20139, Milan Italy

### **Profile**

I'm in charge of the Cytometry and Sorting Unit management in terms of routine maintenance and instrument standardization procedures, users training.

My expertise involves organization, standardization and validation procedures, development of the new technical approaches necessary for the implementation of the different institute programs.

I am also the senior cell sorter operator and I have acquired a deep experience about sorting of very low represented cell subsets.

I have organized training flow cytometry courses for the European School of Molecular medicine (SEMM) at IFOM IEO Campus (Milan)

### **Technical skill:**

- Flow cytometry: expertise with Becton Dickinson, Beckman Coulter and Miltenyi instrumentations (FACSCan, FACSCalibur, FACSCanto II, FACSCelesta, FACS Vantage SE, FACSMelody, FACSJazz, FACS Aria II, MoFlo Astrios, MACS Quant QC using the Spherotech Rainbow Calibration Beads and BD Cytometer Setup and Tracking Beads; immunophenotyping; cell cycle; apoptosis assay; flow crossmatching; ); instructor in the training on the use of instrumentation;
- A proven ability to design flow cytometry experiments; to analyze and interpret data
- Extensive expertise in multiparameter flow cytometry and cell sorting
- Technically innovative in the quickly expanding field of flow cytometry
- Excellent communication and interpersonal skills in this service-focused environment
- Uses a variety of methods to critically evaluate data; from scientific literature, electronic databases, and performs appropriate quantitative and statistical analyses of data
- In addition, helping the researchers that require preparatory support and analysis in this field as it is extended to flow cytometric analysis of sorting

- Exceptional ability to design, conduct and communicate flow cytometry essentials for the support and development of biological experiments
- Cell culture
- Immunofluorescence

### **Computer skill:**

- Competent with microsoft and Mac operative system,
- Satisfactory knowledge of flow cytometry data acquisition and data analysis software (BD FACSDiva, CellQuest Pro, Summit, FacsChorus, FlowJoX, ModFit3, Kaluza)
- Microsoft Office programmes (Word, Excel, Power Point)

### **Languages**

**English** Good

**Italian** Native speaker

### **Education and Training**

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|-------------------|---|
| <b>2005-2008</b>  | <p><b>Bachelor's Degree in Chemical-Biological Analysis (Class of Degree In Biological Sciences [12] 110/110 cum laude)</b><br/>         Supervisor Prof. Papa Stefano<br/>         Scienze Biologiche, Facoltà Scienze e Tecnologia<br/>         Università Carlo Bo di Urbino, Pesaro Urbino Italy<br/> <a href="http://www.uniurb.it/">http://www.uniurb.it/</a></p> |
| <b>1995- 1998</b> | <p><b>Bachelor's Degree</b><br/>         Diploma di specializzazione Post diploma di Tecnico di Ricerca Biochimica (BSc)<br/>         Supervisor Prof. D'incalci Maurizio<br/>         Istituto di Ricerche Farmacologiche "Mario Negri"<br/> <a href="http://www.marionegri.it/en_US/home">http://www.marionegri.it/en_US/home</a></p>                                 |
| <b>1995</b>       | <p><b>High School diploma</b><br/>         Perito Chimico Biologico Ambientale<br/>         Istituto "Jean Monnet" Mariano Comense, Como, Italy<br/> <a href="https://www.ismonnet.gov.it/">https://www.ismonnet.gov.it/</a></p>  |

### **Positions and Employment**

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| <b>2016- Onwards</b> | <p><b>Head Flow Cytometry Unit (permanent position)</b><br/>         Department of Experimental Oncology<br/>         European Institute of Oncology<br/>         via Adamello 16, 20139 Milan, Italy<br/> <a href="https://www.ieo.it/en/">https://www.ieo.it/en/</a></p> |
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- 2008-2016**                      **Permanent staff research Senior technician**  
 Imaging Development Unit  
 Flow Cytometry Facility, Cogentech  
 Fondazione IFOM-Istituto FIRC di Oncologia Molecolare  
 via Adamello 16, 20139 Milan, Italy  
<http://www.ifom-ieo-campus.it>  
<https://www.ieo.it/en/>
- 2001-2008**                      **Permanent staff research technician**  
 Imaging Unit  
 Department of Experimental Oncology  
 European Institute of Oncology,  
 via Ripamonti 435, 20141 Milan, Italy  
<https://www.ieo.it/en/>
- 1998-2001**                      **Fellowship at the Imaging**  
 Imaging Unit  
 Department of Experimental Oncology  
 European Institute of Oncology,  
 via Ripamonti 435, 20141 Milan, Italy  
<https://www.ieo.it/en/>
- 1995-1998**                      **Student, Bursary as Technician in Biomedical Research**  
 Istituto di Ricerche Farmacologiche "Mario Negri"  
[http://www.marionegri.it/en\\_US/home](http://www.marionegri.it/en_US/home)

### Award

- September 2002**                      **Student's award GIC (Italian Group of Cytometry)**  
  
 Title: A New Method to detect histone acetylation levels by flow cytometry

### Conference/Oral Presentation (O.P.)

- June 2018**                      BD Workshop: Extracellular Vesicles Extreme Versatility, Rome  
**March 2018**                      BD Biosciences Educational Workshop: On the edge of flow to strengthen research, Milan (**O.P.**)  
**July 2016**                      Working with acoustic focusing: direct feedback from Cogentech Flow cytometry Facility (**O.P.**)  
**September 2016**                      First Cell Sorter User Group Meeting, Vienna  
**December 2015**                      Flow Cytometry Symposia, Milan (**O.P.**)  
**November 2013**                      13th Euroconference on Clinical Cell Analysis (ESCCA),Luxembourg  
**November 2013**                      9th Course on Clinical Cytometry, Cell Sorting, Luxembourg  
**October 2013**                      XXXI Conferenza nazionale di citometria G.I.C., Lucca  
**2008-2016**                      Flow Cytometry courses for the European School of Molecular medicine (SEMM), Milan <http://www.semm.it/>

<b>May 2008</b>	XXIV Congress of the International Society for Analytical Cytology, Budapest, Hungary
<b>May 2004</b>	XXII Congress of the International Society for Analytical Cytology, Montpellier, France
<b>May 2002</b>	XXI Congress of the International Society for Analytical Cytology, San Diego, CA, USA
<b>1995-2000</b>	Annual Conference G.I.C. (Italian Group of Cytometry) <a href="http://gic.casaccia.enea.it/">http://gic.casaccia.enea.it/</a>

## **Bibliography**

### **DNA damage in stem cells activates p21, inhibits p53, and induces symmetric self-renewing divisions.**

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### **The endocytic adaptor Eps15 controls marginal zone B cell numbers.**

Pozzi B, Amodio S, Lucano C, Sciallo A, Ronzoni S, Castelletti D, Adler T, Treise I, Betsholtz IH, Rathkolb B, Busch DH, Wolf E, Fuchs H, Gailus-Durner V, de Angelis MH, Betsholtz C, Casola S, Di Fiore PP, Offenhäuser N.

PLoS One. 2012;7(11):e50818. doi: 10.1371/journal.pone.0050818. Epub 2012 Nov 30.

### **Cellular heterogeneity during embryonic stem cell differentiation to epiblast stem cells is revealed by the ShcD/RaLP adaptor protein.**

Turco MY, Furia L, Dietze A, Fernandez Diaz L, Ronzoni S, Sciallo A, Simeone A, Constam D, Faretta M, Lanfrancone L.

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### **The self-association coiled-coil domain of PML is sufficient for the oncogenic conversion of the retinoic acid receptor (RAR) alpha.**

Occhionorelli M, Santoro F, Pallavicini I, Gruszka A, Moretti S, Bossi D, Viale A, Shing D, Ronzoni S, Muradore I, Soncini M, Pruneri G, Rafaniello P, Viale G, Pelicci PG, Minucci S.

Leukemia. 2011 May;25(5):814-20. doi: 10.1038/leu.2011.18. Epub 2011 Feb 18.

### **Differential cytogenomics and miRNA signature of the Acute Myeloid Leukaemia Kasumi-1 cell line CD34+38- compartment.**

Pedranzini L, Mottadelli F, Ronzoni S, Rossella F, Ferracin M, Magnani I, Roversi G, Colapietro P, Negrini M, Pelicci PG, Larizza L.

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**The tumor suppressor p53 regulates polarity of self-renewing divisions in mammary stem cells.**

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**Cell-cycle restriction limits DNA damage and maintains self-renewal of leukaemia stem cells.**

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Ronzoni S, Faretta M, Ballarini M, Pelicci P, Minucci S.

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Carbone R, Botrugno OA, Ronzoni S, Insinga A, Di Croce L, Pelicci PG, Minucci S.

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Ronzoni S, Faretta M, Ballarini M, Pelicci P, Minucci S.

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Insinga A, Monestiroli S, Ronzoni S, Gelmetti V, Marchesi F, Viale A, Altucci L, Nervi C, Minucci S, Pelicci PG.

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Insinga A, Monestiroli S, Ronzoni S, Carbone R, Pearson M, Pruneri G, Viale G, Appella E, Pelicci P, Minucci S.

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