

CURRICULUM VITAE

EUROPEAN FORMAT



PERSONAL INFORMATION

Name, Surname	INGRID CIFOLA
Address	Via Giacomo Puccini 2/A, 20871 Vimercate (MB)
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E-mail	ingrid.cifola@itb.cnr.it
Nationality	Italian
Place and Date of birth	Bergamo, 25 th April 1978

WORK EXPERIENCE

Dates (from - to)	April 2008 - now
Name and address of employer	Institute for Biomedical Technologies, National Research Council (ITB – CNR), Segrate (Milan), Italy. Supervisor: dott. Gianluca De Bellis.
Type of business or sector	Next-generation sequencing (NGS) and high-density microarray technologies
Occupation or position held	Fixed-term CNR Researcher
Main activities and responsibilities	Application of NGS and microarray technologies for genome-wide genomic, transcriptomic and epigenomic analyses in cancer, for identification of novel candidate biomarkers or targets for translational applications.
Dates (from - to)	November 2006 – March 2008
Name and address of employer	Institute for Biomedical Technologies, National Research Council (ITB – CNR), Segrate (Milan), Italy. Supervisor: dott. Gianluca De Bellis.
Type of business or sector	High-density microarray technologies for cancer genomics
Occupation or position held	Post-doc position (CoCoPro) supported by FIRB Research grant “ <i>National Lab for Genomics and Post-genomics Nanotechnologies</i> ” (FIRB 2003 No.RBLA03ER38_004).
Main activities and responsibilities	Application of microarray technologies for genotyping and gene expression analyses in cancer, for identification of molecular features for potential clinical applications..
Dates (from - to)	October 2005 - October 2006
Name and address of employer	Dept. Biomedical Sciences and Technologies, University of Milan, Segrate (Milan), Italy. Supervisor: Dott.ssa Cristina Battaglia.
Type of business or sector	High-density microarray technologies for cancer genomics
Occupation or position held	PhD Student (assegno di ricerca, 12 months) supported by FIRB Research grant “ <i>Manipulation of biomolecules, fluids, systems and data for Bio-Chip technology</i> ” (FIRB 2001 No. RBNE01TZZ8).
Main activities and responsibilities	Application of high-density microarray technologies for genomic and gene expression analyses of human biological data.
Dates (from - to)	October 2003 - September 2005
Name and address of employer	Dept. Biomedical Sciences and Technologies, University of Milan, Segrate (Milan), Italy. Supervisor: Dott.ssa Cristina Battaglia.
Type of business or sector	High-density microarray technologies for cancer genomics
Occupation or position held	PhD Student (assegno di ricerca, 24 months) supported by FIRB Research grant “ <i>Identification of molecular alterations for diagnosis and prognosis of renal cell carcinoma using genomics and proteomics techniques</i> ” (FIRB 2001 No. RBNE01HCKF).
Main activities and responsibilities	Application of high-density microarray platforms for genome-wide genomic (chromosomal aberrations) and transcriptomic (gene expression) profiling of clinical samples, primary cultures and cancer cell lines of clear cell renal carcinoma (ccRCC), for identification of candidate biomarkers for potential translational purposes.
Dates (from - to)	September 2002 - September 2003
Name and address of employer	National Cancer Institute, Unit of Human Cancer Immunotherapy, Milan, Italy. Supervisor: Dr. Giorgio Parmiani.
Type of business or sector	Human colorectal cancer immunology and immunotherapy.

Occupation or position held	Post-graduate position (CoCoCo, 12 months)
Main activities and responsibilities	Study of the anti-tumor immune response in colorectal cancer patients, identification of tumor antigens for development of targeted immunotherapies, strategies for cell-mediated therapeutic approaches (based on dendritic cells).

EDUCATION

Dates (from - to)	October 2003 – January 2007
Name and type of organization providing education	University of Milan, Dept. Biomedical Sciences and Technologies, Milan, Italy.
Principal subjects covered	PhD thesis: “ <i>Association of genome-wide DNA copy number data and transcriptional profile in renal carcinoma</i> ”. Supervisor: dott.ssa Cristina Battaglia.
Title of qualification awarded	PhD in Molecular Medicine – Course “Genomics, Proteomics and related technologies” (3 years), XIX series, Academic Year 2005/2006, awarded on 23 rd January 2007.
Level in National classification	Excellent

Dates (from - to)	September 2000 – July 2002
Name and type of organization providing education	National Cancer Institute, Unit of Human Cancer Immunotherapy, Milan, Italy
Principal subjects covered	Master Degree stage (2 years) in the field of human colorectal cancer immunology and immunotherapy. Supervisors: dr. Piero Dalerba, dott.ssa Chiara Castelli, dr. Giorgio Parmiani.

Dates (from - to)	1997 - 2002
Name and type of organization providing education	University of Milan, Faculty of Medicine and Surgery, Milan, Italy
Principal subjects covered	Master Degree thesis: “ <i>Immunological characterization of colorectal cancer cell lines and their gene modification by retroviral vector encoding human hTERT subunit</i> ”.
Title of qualification awarded	Thesis at National Cancer Institute, Milan, Unit of Human Cancer Immunotherapy
Level in National classification	Master Degree in Medical Biotechnologies (5 years), awarded on 10 th July 2002. 110/110 cum laude

Dates (from - to)	1992 – 1997
Name and type of organization providing education	Scientific High-School “Lorenzo Mascheroni”, Bergamo, Italy
Title of qualification awarded	High-school Diploma (Scientific Disciplines)
Level in National classification	57/60

TRAINING

Dates (from - to)	2018, March 13-15th
Name and type of organization providing education	CNR, Institute for Biomedical Technologies, Milan, Italy.
Principal subjects covered	Training Course “ <i>10x Genomics: Single Cell and Genome Training</i> ”: training on 10x Genomics Chromium platform, protocols and software for single-cell gene expression analysis and genomic linked-reads applications. Supervisor: Magdalena Nawara (10x Genomics).

Dates (from - to)	2017, June 7-8th, 13-14th
Name and type of organization providing education	CNR, Institute for Biomedical Technologies, Milan, Italy.
Principal subjects covered	Training Course “ <i>CRS: Communication of Scientific Research</i> ”: critical aspects for communicating research to professionals of science. Supervisor: Maria Flora Mangano (CRS).

Dates (from - to)	2017, March 28th-31st
Name and type of organization providing education	University of Torino and Bx2M Association, Italy.
Principal subjects covered	Training Course “ <i>RNA-seq Data Analysis</i> ”: critical issues from sample prep to data analysis, guidelines and tools in R/Bioconductor for RNA-seq data analysis. Supervisors: Raffaele Calogero and Marco Beccuti (Univ. Torino).

Dates (from - to)	2014, June 11th
Name and type of organization providing education	University of Pennsylvania, USA, and University of Milan, Italy.
Principal subjects covered	Training Event “RNA-Seq Workshop for the Bioinformatician”, critical discussion about state-of-art and novel algorithms for RNA-seq data analysis. Supervisors: Gregory Grant and Elisabetta Manduchi (Univ. Pennsylvania, USA)
Dates (from - to)	2014, March 14-15th
Name and type of organization providing education	Niguarda Cancer Center, Ospedale Niguarda Ca' Granda, Milan, Italy.
Principal subjects covered	Training Event “From research to clinical practice: innovative therapeutic strategies in Hematology”, critical review of traditional and recent targeted therapies in Onco-hematology.
Dates (from - to)	2012, October 24th
Name and type of organization providing education	E.O. Hospitals Galliera, Genoa, Italy.
Principal subjects covered	Training Event “Next-generation sequencing (NGS): applications in research and diagnostics”.
Dates (from - to)	2011, September 21st-23rd
Name and type of organization providing education	Scientific and Technological Center of Careggi Hospital, University of Florence, Florence, Italy.
Principal subjects covered	High-Education Training Course “Bioinformatics for NGS data analysis”: pipelines and guidelines for NGS data analysis, for genomic and transcriptomic applications. Supervisor: Alberto Magi (AOU Careggi).
Dates (from - to)	2008, October 23-27th
Name and type of organization providing education	European Genetics Foundation and EuroMediterranean University Centre of Ronzano, Bologna, Italy.
Principal subjects covered	Course “Integration of cytogenetics, microarrays and massive sequencing in biomedical and clinical research”. Supervisor: Prof. Mariano Rocchi (Univ. Bari).
Dates (from - to)	2008, July 28-30th
Name and type of organization providing education	Dept. Biomedical Sciences, University of Modena and Reggio Emilia, Modena, Italy.
Principal subjects covered	First-level Course on R environment. Supervisor: Prof. Enrico Tagliafico.
Dates (from - to)	2006, May 26th - June 27th
Name and type of organization providing education	Dept. Biomedical Sciences and Technologies, University of Milan, in collaboration with UpToInfoTechnologies.
Principal subjects covered	Course “Effective Biomedical Writing: how to communicate sciences, how to write a scientific research paper”. Supervisor: dott.ssa Valerie Matarese (UpToInfoTechnologies).
Dates (from - to)	2004, July 26-30th
Name and type of organization providing education	St. Bartholomew Hospital Medical School, London, UK.
Principal subjects covered	Training on Affymetrix GeneChip® 10K SNP Array technology. Supervisor: Prof. Bryan Young (St. Bartholomew Hospital, UK).
Dates (from - to)	2003, November 17-19th
Name and type of organization providing education	Agilent Technologies, Waldbronn, Germany.
Principal subjects covered	Training on Agilent high-density microarray platform for gene expression analysis.

PERSONAL SKILLS AND COMPETENCES

MOTHER TONGUE | **Italian**

OTHER LANGUAGES | **English**
Reading skills | Good

Writing skills | Good
Verbal skills | Good

SOCIAL SKILLS AND COMPETENCES | Very good social and communication skills, good attitude to team working.

DRIVING LICENSE | B with car.

RESEARCH ACTIVITIES AND SKILLS

CURRENT RESEARCH FIELDS | Application of high-throughput technologies for molecular characterization of human cancer pathologies and for identification of novel candidate biomarkers and/or targets of potential clinical interest. Application of high-density microarray platforms for human DNA copy number profiling, transcriptomics and methylation analyses. Application of next-generation sequencing (NGS) for: whole-exome sequencing (WES) for identification of single nucleotide variants (SNV) and copy number variants (CNV); gene expression analysis and fusion transcripts identification (RNA-seq); epigenomics applications (ChIP-seq).

EXPERIENCE WITH TECHNOLOGICAL PLATFORMS | Wide experience with: Illumina NGS platforms (GAIIx and MiSeq), whole-exome capture enrichment systems (Illumina, Agilent), oligonucleotide microarray platforms for genomic and transcriptomic analysis (Affymetrix, Illumina BeadArray), Real-Time PCR (Applied Biosystems 7900HT), microcapillary electrophoresis (Agilent 2100 BioAnalyzer and TapeStation).
Experience with third-generation sequencing technologies: 10x Genomics Chromium System for single-cell gene expression analysis; Oxford Nanopore Technologies (ONT) MinION platform for long-read native sequencing.

SKILLS AND COMPETENCES IN MOLECULAR AND CELLULAR BIOLOGY | *Molecular biology:* nucleic acids extraction and quantitative/qualitative analyses; target preparation for microarray genomic and transcriptomic experiments; qPCR with SYBR Green chemistry; NGS library preparation for Illumina massive sequencing for genomic (WES, WGS), transcriptomic (RNA-seq) and epigenomic (ChIP-seq) analyses; single-cell library preparation for 10x Genomics single-cell gene expression analysis.
Cell biology: human cancer cell lines culturing, establishment of primary cultures from tumor biopsies, flow cytometry (FACS), immunoselection by magnetic beads, ELISA assays for cytokine release, soft agar assay.

SKILLS AND COMPETENCES IN INFORMATICS AND BIOINFORMATICS | Wide experience with Microsoft Office applications and citation manager software.
Broad practice with biomedical literature database and literature mining tools; human reference databases (UCSC, NCBI, Ensembl, 1000GP, TCGA, Cosmic); gene annotation databases; gene enrichment analysis software; software for microarray data visualization, whole-genome DNA copy number profiling and gene expression analysis.
Experience with open-source tools for NGS data visualization and command-line tools for fastq quality control, read mapping, SNV calling and variant annotation, transcriptome analysis (gene-level, transcript-level, fusion transcripts); experience with R/Bioconductor environment for gene expression analysis and data plotting.

SCIENTIFIC PRODUCTION

PUBLICATIONS ON SCIENTIFIC JOURNALS AND BOOKS | L'Abbate A, Tolomeo D, **Cifola I**, Severgnini M, Turchiano A, Augello B, Squeo G, D'Addabbo P, Traversa D, Daniele G, Lonoce A, Pafundi M, Carella M, Palumbo O, Dolnik A, Muehlematter D, Schoumans J, Van Roy N, De Bellis G, Martinelli G, Merla G, Bullinger L, Haferlach C, Storlazzi CT. *MYC-containing amplicons in acute myeloid leukemia: genomic structures, evolution, and transcriptional consequences*. *Leukemia* (2018) (PMID: 29180669)

(orcid.org/0000-0003-2819-1171)

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§ corresponding

Macchia G, Severgnini M, Purgato S, Tolomeo D, Casciaro H, **Cifola I**, L'Abbate A, Loverro A, Palumbo O, Carella M, Bianchini L, Perini G, De Bellis G, Mertens F, Rocchi M, Storlazzi CT. *The Hidden Genomic and Transcriptomic Plasticity of Giant Marker Chromosomes in Cancer*. *Genetics* (2018), 208(3):951-61 (PMID: 29279323)

H-index (Scholar) = 15
H-index (Scopus) = 13
Total publications = 29
Total citations = 597
Last 5-years No. citations = 464

Maura F, Petljak M, Lionetti M, **Cifola I**, Liang W, Pinatel E, Alexandrov L, Fullam A, Martincorena I, Dawson K, Angelopoulos N, Samur M, Szalat R, Zamora J, Tarpey P, Davies H, Corradini P, Anderson K, Minvielle S, Neri A, Avet-Loiseau H, Keats J, Campbell P, Munshi N, Bolli N. *Biological and prognostic impact of APOBEC-induced mutations in the spectrum of plasma cell dyscrasias and multiple myeloma cell lines*. *Leukemia* (2017) (PMID: 29209044)

Bianchi C, Meregalli C, Bombelli S, Di Stefano V, Salerno F, Torsello B, De Marco S, Bovo G, **Cifola I**, Mangano E, Battaglia C, Brivio R, Viganò P, Lucarelli G, Weiss RH, Perego RA. *The glucose and lipid metabolism reprogramming is grade-dependent in clear cell Renal Cell Carcinoma primary cultures and is targetable to modulate cell viability and proliferation*. *Oncotarget* (2017), 8(69):113502-15 (PMID: 29371925)

Romano O, **Cifola I**, Poletti V, Severgnini M, Peano C, De Bellis G, Mavilio F, Miccio A. *Retroviral scanning: mapping mLV integration sites to define cell-specific regulatory regions*. *J Vis Exp* (2017), 123:e55919 (PMID: 28605390)

Di Stefano V, Torsello B, Bianchi C, **Cifola I**, Mangano E, Bovo G, Cassina V, De Marco S, Corti R, Meregalli C, Bombelli S, Viganò P, Battaglia C, Strada G, Perego RA. *Major Action of Endogenous Lysyl Oxidase in Clear Cell Renal Cell Carcinoma Progression and Collagen Stiffness Revealed by Primary Cell Cultures*. *American Journal of Pathology* (2016), 186(9):2473-85 (PMID: 27449199)

Longhin E, Capasso L, Battaglia C, Proverbio MC, Cosentino C, **Cifola I**, Mangano E, Camatini M, Gualtieri M. *Integrative transcriptomic and protein analysis of human bronchial BEAS-2B exposed to seasonal urban particulate matter*. *Environmental Pollution* (2016),209:87-98 (PMID: 26647171)

Lionetti M, Barbieri M, Todoerti K, Agnelli L, Fabris S, Tonon G, Segalla S, **Cifola I**, Pinatel E, Musto P, Baldini B and Neri A. *A compendium of DIS3 mutations and associated transcriptional signatures in plasma cell dyscrasias*. *Oncotarget* (2015),6(28):26129-41 (PMID: 26305418)

Cifola I^{*}, Lionetti M^{*}, Pinatel E, Todoerti K, Mangano E, Pietrelli A, Fabris S, Mosca L, Simeon V, Petrucci MT, Morabito F, Offidani M, Di Raimondo F, Falcone A, Caravita T, Battaglia C, De Bellis G, Palumbo A, Musto P, Neri A^s. *Whole-exome sequencing of primary plasma cell leukemia discloses heterogeneous mutational patterns*. *Oncotarget* (2015),6(19):17543-58 (PMID: 26046463)

Magi A, D'Aurizio R, Palombo F, **Cifola I**, Tattini L, Semeraro R, Pippucci T, Giusti B, Romeo G, Abbate R and Gensini GF. *Characterization and identification of hidden rare variants in the human genome*. *BMC Genomics* (2015),16:340 (PMID: 25903059)

Fazio G, Daniele G, Cazzaniga V, Impera L, Severgnini M, Iacobucci I, Galbiati M, Leszl A, **Cifola I**, De Bellis G, Bresciani P, Martinelli G, Basso G, Biondi A, Storlazzi CT, Cazzaniga G. *Three Novel Fusion Transcripts of the Paired Box 5 Gene in B-cell Precursor Acute Lymphoblastic Leukemia*. *Haematologica* (2015),100(1):e14-17 (PMID: 25304615)

Sancini G, Farina F, Battaglia C, **Cifola I**, Mangano E, Mantecca P, Camatini M, Palestini P. *Health risk assessment for air pollutants: alterations in lung and cardiac gene expression in mice exposed to Milano winter fine particulate matter (PM2.5)*. *PLoS ONE* (2014),9(10):e109685 (PMID: 25296036)

L'Abbate A, Macchia G, D'Addabbo P, Lonoce A, Tolomeo D, Trombetta D, Kok K, Bartenhagen C, Whelan CW, Palumbo O, Severgnini M, **Cifola I**, Dugas M, Carella M, De Bellis G, Rocchi M, Carbone L, Storlazzi CT. *Genomic organization and evolution of double minutes/homogeneously staining regions with MYC amplification in human cancer*. *Nucleic Acids Research* (2014), 42(14):9131-45 (PMID: 25034695)

Italiani P, Mazza EMC, Lucchesi D, **Cifola I**, Gemelli C, Grande A, Battaglia C, Bicciato S, and Boraschi D. *Transcriptomic profiling of the development of the inflammatory response in human monocytes in vitro*. *PLoS ONE* (2014),9(2):e87680 (PMID: 24498352)

Magi A, Tattini L, **Cifola I**, D'Aurizio R, Benelli M, Mangano E, Battaglia C, Bonora E, Kurg A, Seri M, Magini P, Giusti B, Romeo G, Pippucci T, De Bellis G, Abbate R and Gensini GF. *EXCAVATOR: detecting copy number variants from whole-exome sequencing data*. *Genome Biology* (2013),14(10):R120 (PMID:24172663)

Cifola I[§], Pietrelli A, Consolandi C, Severgnini M, Mangano E, Russo V, De Bellis G, Battaglia C. *Comprehensive Genomic Characterization of Cutaneous Malignant Melanoma Cell Lines Derived from Metastatic Lesions by Whole-Exome Sequencing and SNP Array Profiling*. PLoS ONE (2013),8(5):e63597 (PMID:23704925)

Pitozzi V, Mocali A, Laurenzana A, Giannoni E, **Cifola I**, Battaglia C, Chiarugi P, Dolara P, Giovannelli L. *Chronic resveratrol treatment ameliorates cell adhesion and mitigates the inflammatory phenotype in senescent human fibroblasts*. J Gerontol A Biol Sci Med Sci. (2013), 68(4):371-81 (PMID: 22933405)

Battaglia C, Mangano E, Biciato S, Frascati F, Nuzzo S, Tinaglia V, Bianchi C, Perego RA and **Cifola I**. *Molecular Portrait of Clear Cell Renal Cell Carcinoma: An Integrative Analysis of Gene Expression and Genomic Copy Number Profiling*. Book "Emerging Research and Treatments in Renal Cell Carcinoma", InTech Publisher (2012),2:23-56 (ISBN 978-953-51-0022-5)

Cifola I⁺, Bianchi C⁺, Mangano E, Bombelli S, Frascati F, Fasoli E, Ferrero S, Di Stefano V, Zipeto MA, Magni F, Signorini S, Battaglia C, Perego RA. *Renal cell carcinoma primary cultures maintain genomic and phenotypic profile of parental tumor tissues*. BMC Cancer (2011), 11(1):244 (PMID: 21668985)

Bianchi C, Bombelli S, Raimondo F, Torsello B, Angeloni V, Ferrero S, Di Stefano V, Chinello C, **Cifola I**, Invernizzi L, Brambilla P, Magni F, Pitto M, Zanetti G, Mocarelli P, and Perego R. *Primary Cell Cultures from Human Renal Cortex and Renal-Cell Carcinoma Evidence a Differential Expression of Two Spliced Isoforms of Annexin A3*. Am J Pathol (2010),176(4):1660-70 (PMID: 20167856)

Bardini M, Spinelli R, Bungaro S, Mangano E, Corral L, **Cifola I**, Fazio G, Giordan M, Basso G, De Rossi G, Biondi A, Battaglia C, and Cazzaniga G. *DNA copy number abnormalities do not occur in Infant ALL with t(4;11)/MLL-AF4*. Leukemia (2010),24(1):169-76 (PMID: 19907438)

Biciato S, Spinelli R, Zampieri M, Mangano E, Ferrari F, Beltrame L, **Cifola I**, Peano C, Solari A, Battaglia C. *A computational procedure to identify significant overlap of differentially expressed and genomic imbalanced regions in cancer datasets*. Nucleic Acids Research (2009), 37(15):5057-70 (PMID: 19542187)

Cazzaniga G, Lo Nigro L, **Cifola I**, Milone G, Schnittger S, Haferlach T, Mirabile E, Costantino F, Martelli MP, Mastrodicasa E, Di Raimondo F, Aversa F, Biondi A, and Falini B. *Simultaneous occurrence of acute myeloid leukaemia with mutated nucleophosmin (NPM1) in the same family*. Leukemia (2009),23(1):199-203 (PMID: 18596743)

Raimondo F, Ticozzi DV, Magni F, Perego R, Bianchi C, Sarto C, Casellato S, Fasoli E, Ferrero S, **Cifola I**, Rocco F, Galli Kienle M, Mocarelli P, Brambilla P and Pitto M. *Caveolin-1 and Flotillin-1 Differential Expression in Clinical Samples of Renal Cell Carcinoma*. The Open Proteomics Journal (2008),1: 87-98.

Cifola I, Spinelli R, Beltrame L, Peano C, Fasoli E, Ferrero S, Bosari S, Signorini S, Rocco F, Perego R, Proserpio V, Raimondo F, Mocarelli P, and Battaglia C. *Genome-wide screening of copy number alterations and LOH events in renal cell carcinomas and integration with gene expression profile*. Molecular Cancer (2008),7(1):6 (PMID: 18194544)

Spinelli R, **Cifola I**, Ferrero S, Beltrame L, Mocarelli P, and Battaglia C. *Assessment of Common Regions and Specific Footprints of DNA Copy Number Aberrations Across Multiple Affymetrix SNP Mapping Arrays*. Applications of Fuzzy Sets Theory Book, series "Lecture Notes in Computer Science" (2007),4578:674-81 (ISBN: 978-3-540-73399-7)

Zampieri M, **Cifola I**, Basso D, Spinelli R, Beltrame L, Peano C, Battaglia C and Biciato S. *Locally Adaptive Statistical Procedures for the Integrative Analysis on Genomic and Transcriptional Data*. Applications of Fuzzy Sets Theory Book, series "Lecture Notes in Computer Science" (2007),4578:682-89 (ISBN: 978-3-540-73399-7)

Peano C, Severgnini M, **Cifola I**, De Bellis G and Battaglia C. *Transcriptome amplification methods in gene expression profiling*. Expert Review of Molecular Diagnostics (2006),6(3):465-80 (PMID: 16706747)

POSTER AND ORAL
PRESENTATIONS

Dalerba P, Guiducci C, Poliani PL, **Cifola I**, Parenza M, Frattini M, Gallino G, Carnevali I, Di Giulio I, Andreola S, Lombardo C, Rivoltini L, Schweighoffer T, Belli F, Colombo M, Parmiani G and Castelli C. *Reconstitution of human telomerase reverse transcriptase expression rescues colorectal carcinoma cells from in vitro senescence: evidence against immortality as a constitutive trait of tumor cells*. *Cancer Research* (2005),65(6):2321-29 (PMID: 15781646)

Neuroscience 2018, San Diego, (USA), November 3-7, 2018. *Genome-wide definition of regulatory regions and transcripts during the transition from pluripotent to neural-restricted stem cells*. Meneghini V, Luciani M, Petiti L, **Cifola I**, Peano C, Gritti A, Miccio A. (Abstract)

ISSCR 2018 Annual Meeting, Melbourne (Australia), June 20-23, 2018. *Genome-wide definition of regulatory regions and transcripts during pluripotent to neural stem cell transition*. Luciani M, Meneghini V, Petiti L, **Cifola I**, Peano C, Miccio A, Gritti A. (Abstract)

InterOmics Congress 2017, Rome (Italy), December 18, 2017. Presentation of the Awarded Grant "Epigenome and Transcriptome profiling of human iPS cells to identify new therapeutic biomarkers involved in Myotonic Dystrophy Type-1 (MIMOSA)". **Cifola I**. (Oral)

59th Annual Meeting of the American Society of Hematology (ASH 2017), Atlanta (USA), December 9-12, 2017. *Biological and Prognostic Impact of Apobec-Induced Mutations in the Spectrum of Plasma Cell Dyscrasias*. Maura F, Petljak M, Lionetti M, **Cifola I**, Liang W, Pinalat E, Alexadrov L, Fullam A, Martincorena I, Dawson KJ, Angelopoulos N, Szalat R, Corradini P, Anderson KC, Minvielle S, Samur MK, Neri A, Avet-Loiseau H, Keats J, Campbell PJ, Munshi N, Bolli N. (Poster)

9th IAS Conference on HIV Science (IAS 2017), Paris (France), July 23-26, 2017. *The Nuclear Pore orchestrates HIV-1 nuclear import and sculpts the chromatin landscape near integration sites*. **Cifola I**, Severgnini M, Blanco-Rodriguez G, Souque P, Charneau P, Di Nunzio F. (Poster)

XXIV Congresso Nazionale Associazione Urologi Italiani, Pisa (Italy), May 19-21, 2017. *Grade-dependent lipid storage in ccRCC cells: molecular and functional study performed in primary cell cultures*. Bianchi C, Meregalli C, Bombelli S, Torsello B, De Marco S, Salerno F, **Cifola I**, Mangano E, Battaglia C, Bovo G, Viganò P, Strada G, Perego RA. (Oral)

20th Annual Meeting of American Society of Gene and Cell Therapy (ASGCT 2017), Washington DC (USA), May 10-13, 2017. *Genome-Wide Definition of Regulatory Regions and Transcripts During the Transition from Pluripotent to Neural-Restricted Stem Cells*. Meneghini V, Luciani M, Petiti L, **Cifola I**, Peano C, Gritti A, Miccio A. (Poster) Outstanding Poster Presentation Award

XXIII Congresso Nazionale Associazione Urologi Italiani, Rome (Italy), May 22-24, 2016. *Primary cell cultures obtained from clear cell renal cell carcinoma specimens retain the transcriptomic profile and metabolic phenotype of corresponding tissues*. Bianchi C, Meregalli C, Bombelli S, Torsello B, De Marco S, **Cifola I**, Mangano E, Battaglia C, Bovo G, Viganò P, Strada G, Perego R. (Oral)

European Society of Gene and Cell Therapy (ESGCT) 2016, Florence (Italy), October 18-21, 2016. *Genome-wide definition of regulatory regions and transcripts during the transition from pluripotent to neural restricted stem cells*. Meneghini V, Luciani M, **Cifola I**, Petiti L, Peano C, Gritti A, Miccio A. (Poster)

XIII Congresso Nazionale SIES, Rimini (Italy), October 19-21, 2016. *MYC-containing double minute chromosomes in aml: origin, structure and transcriptional features*. L'Abbate A, Turchiano A, Tolomeo D, D'Addabbo P, Lonoce A, Merla G, Augello B, Carella M, Palumbo O, Severgnini M, **Cifola I**, De Bellis G, Dolnik A, Van Roy N, Muhlematter D, Haferlach C, Bullinger L, Storlazzi CT. (Oral)

XIV Congresso FISV, Rome (Italy), September 20-23, 2016. *MYC-containing double minute chromosomes: origin, structure and impact upon transcriptome in acute myeloid leukemia patients*. L'Abbate A, Turchiano A, Tolomeo D, D'Addabbo P, Lonoce A, Merla G, Augello B, Carella M, Palumbo O, Severgnini M, **Cifola I**, De Bellis G, Dolnik A, Van Roy N, Muhlematter D, Haferlach C, Bullinger L, Storlazzi CT. (Poster)

XIV Congresso FISV, Rome (Italy), September 20-23, 2016. *Short-time evolution and complex neocentromeres in cancer*. Macchia G, Severgnini M, **Cifola I**, Purgato S, Zoli M, Tolomeo D, Palumbo O, Loverro A, Casciaro H, Carella M, Perini G, Pedoutour F, Mertens F, Rocchi M, Storlazzi CT. (Poster)

Hydra XI Summer School on Stem Cell Biology, Hydra (Greece), September 6-13, 2015. *The role of Endothelial-Mesenchymal Transition in physiological and pathological process*. Tirone M, Nicolosi P, Scagliola A, **Cifola I**, Manenti F, Giovenzana A, De Bellis G, Brunelli S. (Poster)

IV Workshop AIEOP .in Lab, Naples (Italy), September 14-15, 2015. *L'analisi trascrittomica (RNA-seq) ha identificato un nuovo meccanismo che da origine a geni di fusione in pazienti pediatrici con leucemia linfoblastica acuta*. Fazio G, Severgnini M, **Cifola I**, Bungaro S, Biondi A, De Bellis G, Cazzaniga G. (Poster)

56th Annual Meeting of the American Society of Hematology (ASH56), San Francisco (USA), December 6-9, 2014. *Structural Variations Identified by Whole Transcriptome Sequencing (RNA-Seq) in Childhood ALL with Different Response to Therapy*. Fazio G, Severgnini M, **Cifola I**, Bungaro S, Biondi A, De Bellis G, Cazzaniga G. (Poster)

XIII Congresso Nazionale Società Italiana di Ematologia Sperimentale (SIES), Rimini (Italy), October 15-17, 2014. *Analisi del numero di copie e sequenza del DNA in campioni sequenziali di mieloma alla diagnosi e recidiva*. Todoerti K Pinatel E, **Cifola I**, Lionetti M, Mosca L, Mangano E, Fabris S, Barbieri M, Ciceri G, Rossi FG, Petrucci MT, Musto P, Cortelezzi A, Baldini L, De Bellis G, Battaglia C, Neri A. (Oral)

XIII Congresso Nazionale Società Italiana di Ematologia Sperimentale (SIES), Rimini (Italy), October 15-17, 2014. *Caratterizzazione della diversa risposta biologica alla terapia tramite analisi trascrittomica (RNA-seq) in pazienti pediatrici con leucemia linfoblastica acuta*. Fazio G, Severgnini M, **Cifola I**, Bungaro S, Biondi A, De Bellis G, Cazzaniga G. (Oral)

23rd International Congress of the European Association for Cancer Research (EACR23), Munich (Germany), July 5-8, 2014. *Next-generation sequencing to dissect transcriptome complexity of childhood ALL and of different therapy response*. **Cifola I**, Severgnini M, Fazio G, Bungaro S, Biondi A, Cazzaniga G, De Bellis G. (Poster)

19th Congress of the European Hematology Association (EHA19), Milan (Italy), June 12-15, 2014. *RNA-seq analysis to dissect the biology of early response to treatment in high risk vs. standard risk childhood BCP-ALL patients*. Fazio G, Severgnini M, **Cifola I**, Bungaro S, Biondi A, De Bellis G, Cazzaniga G. (Poster)

European Society of Human Genetics Conference 2014 (ESHG2014), Milan (Italy), May 31-June 3, 2014. *Melan-OMICS: whole-exome and transcriptome sequencing to dissect molecular complexity of cutaneous malignant melanoma*. **Cifola I**, Pietrelli A, Severgnini M, Magi A, Tattini L, Mangano E, Santosh A, Russo V, Battaglia C, De Bellis G. (Poster)

9th Childhood Leukemia Symposium (CLS), Prague (Czech Republic), April 28-29, 2014. *Whole-transcriptome sequencing to dissect the biology of early response to treatment in childhood ALL*. Fazio G, Severgnini M, **Cifola I**, Bungaro S, Biondi A, De Bellis G, Cazzaniga G. (Oral)

55th Annual Meeting of American Society of Hematology (ASH55), New Orleans (USA), December 7-10, 2013. *Novel Chimeric Transcripts involving PAX5 in B-cell Precursor ALL*. Fazio G, Storlazzi CT, Severgnini M, Cazzaniga V, Impera L, Daniele G, Iacobucci I, Galbiati M, Leszl A, Bungaro S, **Cifola I**, De Bellis G, Martinelli G, Basso G, Biondi A, Cazzaniga G. (Poster)

11th World Congress on Inflammation IMMUNONATAL 2013, Natal (Brazil), September 21-25, 2013. *Profiling the course of the inflammatory reaction with human blood monocytes*. Boraschi D, **Cifola I**, Battaglia C, Mazza EMC, Bicciato S, Italiani P. (Poster)

15th International Congress of Immunology (ICI), Milan (Italy), August 22-27, 2013. *Inflammation driven functional differentiation of human macrophages in vitro*. Italiani P, Mazza E, Bicciato S, Gemelli C, Grande A, **Cifola I**, Battaglia C, Giungato P and Boraschi D. (Poster)

Epigenetics & Chromatin: Interactions and processes Conference, Boston (USA), March 11-13, 2013. *Genome-wide analysis of promoter and enhancer usage in hematopoietic stem cell differentiation*. Miccio A, Peano C, Romano O, Tagliazucchi G, Petiti L, **Cifola I**, Rizzi E, Severgnini M, Bicciato S, De Bellis G, Mavilio F. (Poster)

20th International Molecular Medicine Tri-Conference, San Francisco (USA), February 11-15, 2013. *Surfing into NGS ocean: guidelines for whole-exome sequencing variation analysis and data visualization*. Pietrelli A, **Cifola I**, Severgnini M, Consolandi C, Mangano E, Battaglia C and De Bellis G. (Poster)

Epigen NGS Workshop, Bari (Italy), December 5-7, 2012. *Defining the transcriptome and the epigenome of human hematopoietic stem/progenitor cells and their lineage-restricted progeny*. Peano C, Miccio A, Romano O, Tagliazucchi G, Petiti L, **Cifola I**, Rizzi E, Severgnini M, Biciato S, De Bellis G, Mavilio F. (Poster)

IL-1 family members and the inflammasome Meeting, Dublin, September 15-16, 2011. *IL-1 family cytokines in the inflammatory response of human monocytes*. Italiani P, Costantino MD, **Cifola I**, Mazza E, Biciato S, Battaglia C, Boraschi D. (Poster)

4th European Conference for Clinical Nanomedicine (CLINAM 2011), Basel (CH), May 23-25, 2011. *Exploring the interaction of nanomedicines with the human immune system. Assessing immunosafety and investigating preventive/therapeutic targeting*. Boraschi D, Italiani P, Lucchesi D, Mazza E, Biciato S, **Cifola I**, Battaglia C, Costantino L. (Poster)

2nd Workshop AIEOP (Associazione Italiana Ematologia Oncologia Pediatrica), Catania (Italy), May 19-20, 2011. *Analisi di fattibilità di un pannello diagnostico per la leucemia linfoblastica acuta pediatrica mediante sequenziamento massivo*. Bungaro S, Severgnini M, Iacono M, **Cifola I**, Accorsi K, Biondi A, De Bellis G, Cazzaniga G. (Poster)

TOLL2011 Meeting – Decoding Innate Immunity, Riva del Garda (Italy), May 4-7, 2011. *Re-programming of human monocyte activation during inflammation. Kinetic profiling of response by integrated in vitro analysis*. Italiani P, Mazza E, **Cifola I**, Lucchesi D, Mandriani B, Biciato S, Battaglia C, Boraschi D. (Poster)

CNIO Frontiers Meetings 2011, Canceromatics II, Madrid (Spain), March 28-30, 2011. *Integrated genomics analysis of gene and miRNA expression profiles in clear cell renal carcinoma cell lines*. Tinaglia V, **Cifola I**, Frascati F, Mangano E, Biasolo M, Proverbio MC, Bortoluzzi S, Di Stefano V, Bianchi C, Perego R, Battaglia C. (Poster)

XXX Congresso Nazionale della Società Italiana di Patologia (SIP), Salerno (Italy), October 14-17, 2010. *Expression studies of Lysyl Oxidase and S100A4 proteins in normal cortex and renal cell carcinoma primary cultures*. Di Stefano V, Bianchi C, Bombelli S, Zipeto MA, Torsello B, Battaglia C, **Cifola I**, Zanetti G, Perego RA. (Poster)

XII Congresso Nazionale Associazione Italiana di Biologia e Genetica Generale e Molecolare (AIBGXII), Trento (Italy), October 8-9, 2010. *Reconstruction and study of post-transcriptional regulatory networks governing tumour development and progression by integrated analysis of miRNAs and targets expression profiles*. Biasolo M, Sales G, Coppe A, Bisognin A, Tinaglia V, **Cifola I**, Frascati F, Mangano M, Lionetti M, Agnelli L, Neri A, Battaglia C, Romualdi C and Bortoluzzi S. (Poster)

21st International Congress of the European Association for Cancer Research (EACR21), Oslo (Norway), June 26-29, 2010. *Integration of gene and miRNA expression profiles in clear cell renal carcinoma cell lines and relationship with VHL gene status*. Battaglia C, Tinaglia V, **Cifola I**, Frascati F, Mangano E, Biasolo M, Bortoluzzi S, Bombelli S, Bianchi C, Perego R. (Poster)

34^o Congresso Nazionale della Società Italiana di Farmacologia, Rimini (Italy), October 14-17, 2009. *Effects of resveratrol in aging: an in vitro study in human fibroblasts*. Pitozzi V, Jacomelli M, Mocali A, **Cifola I**, Battaglia C, Beltrame L, Mulinacci N, Dolara P, Giovannelli L. (Oral)

4th Annual National Conference of the Italian Proteomic Association (ItPA), Milan (Italy), June 22-25, 2009. *Differential expression of two forms of Annexin-A3 in well-characterized human normal cortex and RCC primary cultures*. Bombelli S, Bianchi C, Raimondo F, Invernizzi L, Torsello B, Angeloni V, Di Stefano V, Sarto C, Zanetti G, Ferrero S, **Cifola I**, Chinello C, Magni F, Mocarrelli P and Perego RA. (Poster)

7th European Conference on Computational Biology (ECCB7), Cagliari (Italy), September 22-26, 2008. *Identification of significant overlap of differentially expressed and genomic imbalanced regions in cancer datasets*. Ferrari F, Spinelli R, Mangano E, Beltrame L, Zampieri M, **Cifola I**, Peano C, Biciato S, Battaglia C. (Poster)

11th International Meeting of the Microarray Gene Expression Data Society (MGED11), Riva del Garda (Italy), September 1-4, 2008. *A computational procedure to identify significant overlap of differentially expressed and genomic imbalanced regions in cancer datasets*. Biciato S, Spinelli R, Mangano E, Ferrari F, Beltrame L, Zampieri L, **Cifola I**, Peano C, Battaglia C. (Oral)

11th International Meeting of the Microarray Gene Expression Data Society (MGED11), Riva del Garda (Italy), September 1-4, 2008. *A computational approach to identify whole genome homozygosity mapping across multiple SNP mapping experiments*. Spinelli R, Gessi A, Proverbio M, Mangano E, Ferrari F, **Cifola I**, Bardini M, Cazzaniga G, Salvatoni A, Battaglia C. (Poster)

20th International Congress of the European Association for Cancer Research (EACR20), Lyon (France), July 5-8, 2008. *Renal cell carcinoma primary cultures as in vitro model to study genomic profile of parental tumor tissues*. **Cifola I**, Bianchi C, Mangano E, Bombelli S, Ferrero S, Fasoli E, Brambilla P, Beltrame L, Perego R, Battaglia C. (Poster)

13th Congress of the European Hematology Association (EHA), Copenhagen (Denmark), June 12-15, 2008. *Infant ALL patients carrying t(4;11) have a different genotypic profile than older ALL children*. Bardini M, Corral L, Mangano E, Spinelli R, Fazio G, **Cifola I**, Biondi A, Battaglia C and Cazzaniga G. (Poster)

49th Annual Meeting and Exposition of the American Society of Haematology (ASH49), Atlanta (USA), December 8-11, 2007. *Infant ALL patients carrying t(4;11) have a different genotypic profile than older ALL children*. Bardini M, Corral L, Mangano E, Spinelli R, Fazio G, **Cifola I**, Biondi A, Battaglia C and Cazzaniga G. (Poster)

2nd Annual National Conference of the Italian Proteomic Association (ITPA), Catania (Italy), June 26-29, 2007. *Integration of genome wide molecular analysis and subcellular proteomics for renal cell carcinoma biomarker identification*. Raimondo F, Verga M, Ferrero S, **Cifola I**, Spinelli R, Beltrame L, Peano C, Bianca C, Angeloni V, Rocco F, Magni F, Di Fronzo A, Proserpio V, Gallikienle M, Battaglia C, Mocarrelli P, and Pitto M. (Poster)

10th Symposium on Computer Applications in Biotechnology (CAB10), Cancun (Mexico), June 4-6, 2007. *A computational procedure for the integrative analysis of genomic data at the single sample level*. Zampieri M, **Cifola I**, Basso D, Spinelli R, Beltrame L, Peano C, Battaglia C, and Bicciato S.

19th International Congress of the European Association for Cancer Research (EACR19), Budapest (Hungary), July 1-4, 2006. *Integration of whole-genome SNP mapping and transcriptional data in the human metastatic renal carcinoma Caki-1 cell line*. **Cifola I**, Peano C, Severgnini M, Spinelli R, Beltrame L, Bosari S, Fasoli E, Bicciato S, Battaglia C. (Poster)

8th International Meeting of the Microarray Gene Expression Data Society (MGED8), Bergen (Norway), September 11-13, 2005. *Genome wide single-nucleotide polymorphisms mapping and analysis of loss of heterozygosity in clear renal cell carcinoma*. Spinelli R, **Cifola I**, Mangano E, Ferrero S, Cordani N, Corizzato M, Signorini S, Battaglia C. (Poster)

2nd ESF Functional Genomics and Disease Conference, Oslo (Norway), September 6-10, 2005. *Integration of whole genome SNP mapping and transcriptional data in clear renal cell carcinoma primary cell cultures*. **Cifola I**, Eroini B, Ferrero S, Casellato B, Perego R, Battaglia C. (Poster)

2nd ESF Functional Genomics and Disease Conference, Oslo (Norway), September 6-10, 2005. *Evaluation of TransPlex Whole Transcriptome Amplification method for microarray gene expression profiling*. Peano C, Severgnini M, **Cifola I**, Rizzi E, De Bellis G, Battaglia C. (Poster)

Focus sulle Biotecnologie: PCR, Microarray e Proteomica, Milan (Italy), December 15-17, 2004. *La tecnologia microarray per l'analisi dei polimorfismi del DNA ad alta risoluzione*. **Cifola I**, Mangano E, Bonnal R, Spinelli R, Bosari S, Cordani N, De Bellis G, Battaglia C. (Oral)

2nd National Conference SIICA, Verona (Italy), May 28-31, 2003. *Reconstitution of hTERT expression allows successful immortalization of short-lived primary cultures of colorectal carcinoma: a new tool for the efficient generation of colorectal carcinoma cell lines*. Dalerba P, **Cifola I**, Guiducci C, Parenza M, Gallino G, Andreola S, Salvatore D, Lombardo C, Rivoltini L; Schweighoffer T, Belli F, Colombo MP, Parmiani G, Castelli C. (Poster)

17th International Congress of the European Association for Cancer Research (EACR17), Granada (Spain), June 8-11, 2002. *Immunogenicity of the apoptosis-inhibitor Survivin in colorectal cancer patients*. Dalerba P, Casati C, **Cifola I**, Deho P, Gallino G, Belli F, Marchisio PC, Altieri DC, Parmiani G, Castelli C.

International Meeting: Cytokines as natural adjuvants: perspectives for vaccine development. Istituto Superiore di Sanità, Rome (Italy), April 22-24, 2002. *Immunogenic role of the apoptosis inhibitor protein survivin in colo-rectal cancer patients*. Casati C, Dalerba P, Cifola I, Cova A, Rivoltini L, Gallino G, Belli F, Leo E, Marchisio PC, Altieri DC, Parmiani G, Castelli C.

TEACHING / MENTORING
ACTIVITIES

Expert in the field BIO/11 (Molecular Biology) and Examination Board Member in “Biochemical sciences and molecular biology” course, for “Biomedical Laboratory Techniques” university degree course, University of Milan, Academic years 2015/2016, 2016/2017 and 2017/2018

Lesson for Molecular and Translational Medicine PhD School, University of Milan: “*Application of SNP array and next-generation sequencing technologies for characterization of pathological genomes*”, LITA Building, Segrate (MI), April 17, 2014

Practice lab exercise for Molecular Medicine PhD students, University of Milan: “*Applications of Agilent 2100 BioAnalyzer microcapillary electrophoresis*”, LITA Building, Segrate (MI), May 24, 2011

Practice lab exercise for Molecular Medicine PhD students, University of Milan: “*Applications of Agilent 2100 BioAnalyzer microcapillary electrophoresis*”, LITA Building, Segrate (MI), May 24, 2010

Co-tutoring activity for PhD thesis of Dott. E. Mangano (matr. n° R06036), Molecular Medicine PhD School, University of Milan, XX series, thesis title: “*Genomic profiling and characterization of chromosomal instability in renal carcinoma primary cultures and cell lines by SNP array technology*”, Academic year 2007/2008

Practice lab exercise for Molecular Medicine PhD students, University of Milan: “*Applications of Agilent 2100 BioAnalyzer microcapillary electrophoresis*”, LITA Building, Segrate (MI), March 26, 2009

Lesson for Molecular Medicine PhD School, Course “*Genomics, Proteomics and related technologies*”, University of Milan: “*Genomic instability profiling in renal cancer samples*”, LITA Building, Segrate (MI), March 28, 2008

Lesson for Molecular Medicine PhD School, Course “*Molecular Genetics and Oncology*”, University of Milan: “*Association of genome-wide DNA copy number data and transcriptional profile in renal carcinoma*”, LITA Building, Segrate (MI), June 6, 2007

Department Seminar, University of Milan: “*Genomic and transcriptomic analysis of clear cell renal carcinoma cell lines by microarray technology*”, LITA Building, Segrate (MI), October 25, 2005

FUNDINGS / GRANTS AWARDED
and
Participation to Research Projects

2nd Call Progetto Bandiera INTEROMICS 2017: Epigenome and Transcriptome profiling of human iPS cells to identify new therapeutic biomarkers involved in Myotonic Dystrophy Type-1 (MIMOSA). Principal Investigator and coordinator of the project.

AIRC Investigator Grant 2017: Third generation cancer genomics. External Collaborator in charge of specific activities. Coordinator: Magi A. (AOU Careggi, Florence)

FRRB Regione Lombardia 2015 (No. 2015-0010): Single-cell analyses of lymphocytes that infiltrate autoimmunity sites: dissecting immunological mechanisms of rheumatoid arthritis. Personnel enrolled on the project. Coordinator: Meroni P. (Istituto Auxologico Italiano)

ANRS 2015 - Agence nationale de chercheurs sur le sida et les hepatitis virales (ECTZ4469): The Nuclear Pore gateway for HIV-1 replication: Study of viral functional complexes at the inner and outer sides of the nuclear pore. External Collaborator in charge of specific activities. Coordinator: Di Nunzio F. (Pasteur Institute, Paris)

AIRC Investigator Grant 2014 (IG-2014-15413): Genomic amplification in cancer: molecular mechanisms underlying the genesis of dmin, hsr, and giant/ring chromosomes. External Collaborator in charge of specific activities. Coordinator: Storlazzi C. (Univ. Bari)

CARIPO 2014: Biological effects and human impacts of ultrafine particles sources. Member of Research Unit. Coordinator: Camatini M. (Univ. Milano-Bicocca)

FIRB Futuro in Ricerca 2012 (RBFR126B8I): *The genetic history of Italy as traced by genomic analysis of humans and domesticated animals.* Research Unit Leader. Coordinator: Olivieri A. (Univ. Pavia)

Ministry of Health - Young Researchers 2011 (GR-2011-02352026): *Detecting copy number variants from whole-exome sequencing data applied to acute myeloid leukemias.* Research Unit Leader. Coordinator: Magi A. (AOU Careggi, Florence)

FIRB Futuro in Ricerca 2010 (RBFR100S4G): *Genome-wide analysis of promoter and enhancer usage in hematopoietic stem cell differentiation.* Personnel enrolled on the project. Coordinator: Micciò A. (Univ. Modena and Reggio-Emilia)

FIRB 2007 (RBRN07BMCT): *National Proteomics Network (Italian Human ProteomeNet).* Personnel involved in research activities.

PRIN 2007 (2007Y84HTJ): *Integrated systems biology approach for reconstruction of the molecular processes of monocyte/macrophage signalling and activation in response to inflammation stimuli in physiological conditions by omics technologies.* Personnel involved in research activities. Coordinator: Battaglia C. (Univ. Milan)

CARIPO 2006 (2006.0771): *Genomic, epigenetic and transcriptional analysis in cancer by ultramassive sequencing.* Personnel involved in research activities. Coordinator: De Bellis G. (ITB-CNR)

PRIN 2006 (2006069373): *Protein expression and genomic profiling in clear cell renal carcinoma clinical samples using Tissue and Methylation arrays.* Member of Research Unit. Coordinator: Magni F. (Univ. Milano-Bicocca)

PRIN 2004 (2004061903): *Genotype-phenotype association studies of RCC using high-throughput technologies such as DNA microarray and real-time PCR.* Member of Research Unit. Coordinator: Mocarrelli P. (Univ. Milano-Bicocca)

FIRB 2003 (RBLA03ER38): *National Lab for Genomics and Post-genomics Nanotechnologies – NG_Lab.* Personnel enrolled on the project. Coordinator: Cingolani R. (CNR)

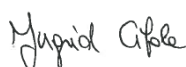
FIRB 2001 (RBNE01TZ8): *Manipulation of biomolecules, fluids, systems and data for Bio-Chip technology.* Personnel enrolled on the project.

FIRB 2001 (RBNE01HCKF): *Identification of molecular alterations for diagnosis and prognosis of renal cell carcinoma using genomics and proteomics techniques.* Personnel enrolled on the project. Coordinator: Battaglia C. (Univ. Milan)

COLLABORATIONS

- Antonino Neri, Univ. Milan, Maggiore Policlinico Hospital, Onco-hematology of multiple myeloma
- Gianni Cazzaniga, Monza San Gerardo Hospital, Fondazione Tettamanti, Molecular genetics of leukemias
- Silvia Brunelli, Univ. Milano-Bicocca, San Raffaele, Functional genetics of muscle regeneration
- Luca Mazzarella and Pier Giuseppe Pelicci, IEO-Milan, Cancer genomics and NGS
- Alberto Magi, Univ. Florence, Careggi Hospital, Computational biology and NGS bioinformatics
- Diana Boraschi, CNR-IBP Naples, Innate immunity and inflammation
- Clelia Tiziana Storlazzi, Univ. Bari, Dept. Biology, Cancer cytogenetics and structural genomics
- Lucio Barile, Elisabetta Cervio and Giuseppe Vassalli, Cardiocentro Ticino, Lugano, Molecular cardiology for regenerative applications
- Francesca Di Nunzio, Pasteur Institute, Paris, HIV virology
- Annarita Micciò, Imagine Institute, Paris, Epigenomics and stem cells
- Vasco Meneghini, Imagine Institute, Paris, Vita-Salute San Raffaele University, Milan, Neuroscience and stem cells
- Davide Prospero, Univ. Milano-Bicocca, Nanoparticles for biomedical applications
- Paola Paci, CNR-IASI Rome, Computational tools for complex biological network analysis
- Elena Levantini, CNR-ITB Pisa, Harvard Medical School Boston, Lung epithelial progenitor cells

Ingrid Cifola



Milan, 04th June 2018