



# Alessio Biagioni



## WORK EXPERIENCE

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### *Accademia dei Lincei*

**City:** Florence | **Country:** Italy

[ 01/01/2025 – Current ] **Post-Doctoral Fellow**

Fellowship awarded by Accademia dei Lincei (Rome) and carried out in the Department of Experimental and Clinical Biomedical Sciences "Mario Serio", laboratory led by Prof. Laura Papucci, with a project entitled "Hypoxia-induced Fatty Acid Metabolism regulates BCR/ Abl expression in Chronic Myeloid Leukemia cells".

### *Pezcoller Foundation*

**City:** Florence | **Country:** Italy

[ 01/04/2023 – 31/12/2024 ] **Post-Doctoral Fellow**

Fellowship awarded by Pezcoller Foundation - SIC and carried out in the Department of Experimental and Clinical Biomedical Sciences "Mario Serio", laboratory led by Prof. Persio Dello Sbarba, with a project entitled "Hypoxia-induced lipid metabolism supports tumor progression and angiogenesis in liquid and solid cancers".

### *University of Florence, Department of Experimental and Clinical Biomedical Sciences "Mario Serio"*

**City:** Florence | **Country:** Italy

[ 01/04/2021 – 31/03/2023 ] **Post-Doctoral Fellow**

Fellowship funded by Fondazione AIRC; laboratory led by Prof. Persio Dello Sbarba, with a project entitled "Metabolic characterization of chronic myeloid leukemia cells as a basis for the formulation of innovative strategies capable of targeting therapy-resistant leukemia stem cells".

### *Fondazione Associazione Italiana per la Ricerca sul Cancro*

**City:** Florence | **Country:** Italy

[ 01/04/2018 – 31/03/2021 ] **Post-Doctoral Fellow**

Fellowship awarded by Fondazione AIRC and carried out in the Department of Experimental and Clinical Biomedical Sciences "Mario Serio", laboratory led by Prof. Mario Del Rosso, with a project entitled "Tumor angiogenesis inhibition via pro-angiogenic miRNAs knock out".

### *University of Florence, Department of Experimental and Clinical Medicine*

**City:** Florence | **Country:** Italy

[ 01/07/2017 – 31/03/2018 ] **Post-Doctoral Fellow**

Fellowship funded by FAS Salute; laboratory led by Prof. Fabio Cianchi, with a project entitled "Development of a system of robotic surgery and coagulation thermoablation a micro-wave".

***The Institute of Cancer Research***

**City:** London | **Country:** United Kingdom

[ 01/10/2014 – 31/03/2015 ] **Doctoral Fellow (Abroad)**

Ph.D. Visiting Student to The Institute of Cancer Research, London, Surrey, laboratory led by Prof. Suzanne Eccles (Division of Cancer Therapeutics, Tumour Biology and Metastasis Team).

***University of Florence, Department of Experimental and Clinical Biomedical Sciences "Mario Serio"***

**City:** Florence | **Country:** Italy

[ 01/12/2013 – 30/11/2016 ] **Doctoral Fellow**

Laboratory led by Prof. Mario del Rosso, with a project entitled "Induction of Stemness Markers in Melanoma Cells by CRISPR/Cas9 uPAR Gene Knockout results in Tumor Growth Inhibition".

***University of Florence, Department of Experimental and Clinical Biomedical Sciences "Mario Serio"***

**City:** Florence | **Country:** Italy

[ 01/09/2012 – 31/08/2013 ] **Pre-Doctoral Fellow**

Fellowship funded by Fondazione Cassa di Risparmio di Firenze; laboratory led by Prof. Mario Del Rosso, with a project entitled "New anti-cancer strategies: endothelial precursor cells and mesenchymal stem cells as intratumor shuttle of anti-angiogenic and anti-tumoral molecules".

***University of Florence, Department of Experimental and Clinical Biomedical Sciences "Mario Serio"***

**City:** Florence | **Country:** Italy

[ 01/09/2011 – 31/03/2012 ] **Trainee**

Laboratory led by Dr. Magnelli Lucia.

***University of Florence, Department of Experimental and Clinical Biomedical Sciences "Mario Serio"***

**City:** Florence | **Country:** Italy

[ 01/09/2010 – 31/12/2010 ] **Trainee**

Laboratory led by Dr. Magnelli Lucia.

**EDUCATION AND TRAINING**

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[ 01/12/2013 – 07/03/2017 ] **Doctor of Philosophy, Ph.D. - Biomedical Sciences (Experimental and Clinical Oncology)**

**Address:** Viale G.B. Morgagni 50, 50134, Florence, Italy |

[ 01/09/2010 – 10/04/2012 ] **Master of Science (Molecular Biology)**

**University of Florence**

**Address:** Viale G.B. Morgagni 50, 50134, Florence, Italy |

Master's Degree in Molecular Biology, 110 cum laude, School of Mathematical, Physical, and Natural Sciences, University of Florence. Thesis titled "TGF-beta-dependent tumoral angiogenesis, regulated by anti-TGF-beta peptides".

[ 01/09/2006 – 07/03/2010 ] **Bachelor of Science (Biology)**

**University of Florence**

**Address:** Viale G.B. Morgagni 50, 50134, Florence, Italy |

Bachelor's degree in Biological Sciences, 108/110, School of Mathematical, Physical, and Natural Sciences, University of Florence. Thesis titled "RKHD1/Mex-3D/Tino: Purification and subcellular localization".

## LANGUAGE SKILLS

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**Mother tongue(s):** Italian

**Other language(s):**

**English**

**LISTENING C1 READING C2 WRITING C2**

**SPOKEN PRODUCTION C1 SPOKEN INTERACTION C1**

*Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user*

## SKILLS

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Microsoft Office | GraphPad Prism | ImageJ

## PUBLICATIONS

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[ 2025 ] [\*\*Skin Telocyte Secretome as Conditioned Medium Prevents Profibrotic Differentiation of Skin Fibroblasts into Myofibroblasts\*\*](#)

**Reference:** International Journal of Molecular Sciences

[ 2025 ] [\*\*BCR::ABL1 expression in chronic myeloid leukemia cells in low oxygen is regulated by glutamine via CD36-mediated fatty acid uptake\*\*](#)

**Reference:** Cancer Cell International

[ 2025 ] [\*\*Unraveling the Potential of Amino-, Acylamino-, and Ureido-Substituted 3 H-1,2-Benzoxaphosphine 2-Oxides toward Nanomolar Inhibitors of Tumor-Associated Carbonic Anhydrases IX and XII\*\*](#)

**Reference:** ACS Medicinal Chemistry Letters

[ 2025 ] [\*\*PHGDH drives 5-FU chemoresistance in colorectal cancer through the Hedgehog signaling\*\*](#)

**Reference:** Journal of Experimental and Clinical Cancer Research

[ 2025 ] [\*\*Targeting CEACAM5: Biomarker Characterization and Fluorescent Probe Labeling for Image-Guided Gastric Cancer Surgery\*\*](#)

**Reference:** Biomedicines

- [ 2025 ] [Lactate-mediated activation of GPR81 regulates BCR/Abl protein expression in Chronic Myeloid Leukemia cells selected under low oxygen tension](#)  
Reference: The Journal of Pathology
- [ 2025 ] [Discovery of First-in-Class Carbonic Anhydrase/Histone Deacetylase Dual Inhibitors with Antiproliferative Activity in Cancer Cells](#)  
Reference: ACS Medicinal Chemistry Letters
- [ 2024 ] [Editorial: Turning cold tumors hot: insights into molecular mechanisms and clinical applications of immunogenic cell death](#)  
Reference: Frontiers in Cell and Developmental Biology
- [ 2023 ] [The CAIX inhibitor SLC-0111 exerts anti-cancer activity on gastric cancer cell lines and resensitizes resistant cells to 5-Fluorouracil, taxane-derived, and platinum-based drugs.](#)  
Reference: Cancer Letters
- [ 2023 ] [Gastric Cancer Vascularization and the Contribution of Reactive Oxygen Species.](#)  
Reference: Biomolecules
- [ 2023 ] [Extracellular Lactic Acidosis of the Tumor Microenvironment Drives Adipocyte-to-Myofibroblast Transition Fueling the Generation of Cancer-Associated Fibroblasts.](#)  
Reference: Cells
- [ 2023 ] [Editorial: CRISPR advancement in cancer research and future perspectives.](#)  
Reference: Frontiers in Oncology
- [ 2022 ] [Extracellular Acidosis Differentially Regulates Estrogen Receptor  \$\beta\$ -Dependent EMT Reprogramming in Female and Male Melanoma Cells.](#)  
Reference: International Journal of Molecular Sciences
- [ 2022 ] [miR-214-Enriched Extracellular Vesicles Released by Acid-Adapted Melanoma Cells Promote Inflammatory Macrophage-Dependent Tumor Trans-Endothelial Migration.](#)  
Reference: Cancers
- [ 2022 ] [An Oleocanthal-Enriched EVO Oil Extract Induces the ROS Production in Gastric Cancer Cells and Potentiates the Effect of Chemotherapy.](#)  
Reference: Antioxidants
- [ 2022 ] [Immunohistochemistry for VM Markers.](#)  
Reference: Methods in Molecular Biology
- [ 2022 ] [Editorial: Redox Potential and Metabolic Behavior in Gastrointestinal Cancers.](#)  
Reference: Frontiers in Oncology
- [ 2022 ] [Lactate maintains BCR/Abl expression and signaling in Chronic Myeloid Leukemia cells under nutrient restriction.](#)  
Reference: Oncology Research
- [ 2021 ] [Editing SOX Genes by CRISPR-Cas: Current Insights and Future Perspectives.](#)  
Reference: International Journal of Molecular Sciences

- [ 2021 ] [Glutamine Availability Controls BCR/Abl Protein Expression and Functional Phenotype of Chronic Myeloid Leukemia Cells Endowed with Stem/Progenitor Cell Potential.](#)  
Reference: Cancers
- [ 2021 ] [uPAR controls vasculogenic mimicry ability expressed by drug-resistant melanoma cells.](#)  
Reference: Oncology Research
- [ 2021 ] [Enhanced Vasculogenic Capacity Induced by 5-Fluorouracil Chemoresistance in a Gastric Cancer Cell Line.](#)  
Reference: International Journal of Molecular Sciences
- [ 2021 ] [CRISPR/Cas9 uPAR Gene Knockout Results in Tumor Growth Inhibition, EGFR Downregulation and Induction of Stemness Markers in Melanoma and Colon Carcinoma Cell Lines.](#)  
Reference: Frontiers in Oncology
- [ 2021 ] [Small nucleolar RNA host genes promoting epithelial-mesenchymal transition lead cancer progression and metastasis.](#)  
Reference: International Union of Biochemistry and Molecular Biology - Life
- [ 2021 ] [uPAR-expressing melanoma exosomes promote angiogenesis by VE-Cadherin, EGFR and uPAR overexpression and rise of ERK1,2 signaling in endothelial cells.](#)  
Reference: Cellular and Molecular Life Sciences
- [ 2020 ] [Enhanced Antitumoral Activity and Photoacoustic Imaging Properties of AuNP-Enriched Endothelial Colony Forming Cells on Melanoma.](#)  
Reference: Advanced Science
- [ 2020 ] [5-Fluorouracil Conversion Pathway Mutations in Gastric Cancer.](#)  
Reference: Biology
- [ 2020 ] [The acidic tumor microenvironment drives a stem-like phenotype in melanoma cells.](#)  
Reference: Journal of Molecular Medicine
- [ 2020 ] [Th17 lymphocyte-dependent degradation of joint cartilage by synovial fibroblasts in a humanized mouse model of arthritis and reversal by secukinumab.](#)  
Reference: European Journal of Immunology
- [ 2020 ] [Cell-Mediated Release of Nanoparticles as a Preferential Option for Future Treatment of Melanoma.](#)  
Reference: Cancers
- [ 2020 ] [MAP Kinases Pathways in Gastric Cancer.](#)  
Reference: International Journal of Molecular Sciences
- [ 2020 ] [microRNA-378a-5p is a novel positive regulator of melanoma progression.](#)  
Reference: Oncogenesis
- [ 2020 ] [EMT signaling: potential contribution of CRISPR/Cas gene editing.](#)

- Reference:** Cellular and Molecular Life Sciences
- [ 2020 ] [\*\*uPAR Knockout Results in a Deep Glycolytic and OXPHOS Reprogramming in Melanoma and Colon Carcinoma Cell Lines.\*\*](#)
- Reference:** Cells
- [ 2019 ] [\*\*Update on gastric cancer treatments and gene therapies.\*\*](#)
- Reference:** Cancer and Metastasis Review
- [ 2019 ] [\*\*Cell-targeted c\(AmpRGD\)-sunitinib molecular conjugates impair tumor growth of melanoma.\*\*](#)
- Reference:** Cancer Letters
- [ 2019 ] [\*\*EGFR/uPAR interaction as druggable target to overcome vemurafenib acquired resistance in melanoma cells.\*\*](#)
- Reference:** eBiomedicine
- [ 2018 ] [\*\*Delivery systems of CRISPR/Cas9-based cancer gene therapy.\*\*](#)
- Reference:** Journal of Biological Engineering
- [ 2018 ] [\*\*SOX2 as a novel contributor of oxidative metabolism in melanoma cells.\*\*](#)
- Reference:** Cell Communication and Signalling
- [ 2018 ] [\*\*Mature and progenitor endothelial cells perform angiogenesis also under protease inhibition: the amoeboid angiogenesis.\*\*](#)
- Reference:** Journal of Experimental and Clinical Cancer Research
- [ 2017 ] [\*\*Carbonic anhydrase IX inhibition affects viability of cancer cells adapted to extracellular acidosis.\*\*](#)
- Reference:** Journal of Molecular Medicine
- [ 2017 ] [\*\*uPA/uPAR system activation drives a glycolytic phenotype in melanoma cells.\*\*](#)
- Reference:** International Journal of Cancer
- [ 2017 ] [\*\*Type II CRISPR/Cas9 approach in the oncological therapy.\*\*](#)
- Reference:** Journal of Experimental and Clinical Cancer Research
- [ 2017 ] [\*\*Roles of different IRES-dependent FGF2 isoforms in the acquisition of the major aggressive features of human metastatic melanoma.\*\*](#)
- Reference:** Journal of Molecular Medicine
- [ 2017 ] [\*\*Triazole RGD antagonist reverts TGF \$\beta\$ 1-induced endothelial-to-mesenchymal transition in endothelial precursor cells.\*\*](#)
- Reference:** Molecular and Cellular Biochemistry
- [ 2016 ] [\*\*Identification of Novel Human Breast Carcinoma \(MDA-MB-231\) Cell Growth Modulators from a Carbohydrate-Based Diversity Oriented Synthesis Library.\*\*](#)
- Reference:** Molecules
- [ 2016 ] [\*\*Endothelial Progenitor Cells as Shuttle of Anticancer Agents.\*\*](#)
- Reference:** Human Gene Therapy

- [ 2016 ] [Tumor-tropic endothelial colony forming cells \(ECFCs\) loaded with near-infrared sensitive Au nanoparticles: A "cellular stove" approach to the photablation of melanoma.](#)  
Reference: Oncotarget
- [ 2015 ] [Endothelial Progenitor Cells in Sprouting Angiogenesis: Proteases Pave the Way.](#)  
Reference: Current Molecular Medicine
- [ 2015 ] [Inhibition of uPAR-TGFβ crosstalk blocks MSC-dependent EMT in melanoma cells.](#)  
Reference: Journal of Molecular Medicine
- [ 2015 ] [Differential uPAR recruitment in caveolar-lipid rafts by GM1 and GM3 gangliosides regulates endothelial progenitor cells angiogenesis.](#)  
Reference: Journal of Cellular and Molecular Medicine
- [ 2014 ] [Melanoma cell therapy: Endothelial progenitor cells as shuttle of the MMP12 uPAR-degrading enzyme.](#)  
Reference: Oncotarget
- [ 2014 ] [The receptor for urokinase-plasminogen activator \(uPAR\) controls plasticity of cancer cell movement in mesenchymal and amoeboid migration style.](#)  
Reference: Oncotarget

## HONOURS AND AWARDS

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- [ 17/03/2024 ] **ImmunoTools-FlowSiAM-Award 2024 Awarding institution:** Immunotools  
Awarded for the project "Carbonic Anhydrase IX as a diagnostic and prognostic marker for chemoresistance onset in gastric adenocarcinoma cancer"
- [ 28/10/2021 ] **Cancer Research 2021: SIC Young Researchers take center stage Awarding institution:** Società Italiana di Cancerologia  
Awarded for the best oral presentation in the section "Mechanisms of tumor onset and progression";
- [ 2020 ] **National Scientific Habilitation Awarding institution:** Italian Ministry of Research  
National Scientific Habilitation for General Biochemistry, SSD BIOS-07/A (ex BIO/10 - 05/E1)
- [ 2019 ] **Travel Grant Awarding institution:** Italian Cancer Society  
Travel grant for the 61st Annual Meeting of the Italian Cancer Society, Precision Oncology: from myth to reality, 6-8th November 2019, Napoli, Italy
- [ 2016 ] **Travel Grant Awarding institution:** Italian Cancer Society  
Travel grant for the Cytometry Course held at the Istituto di Candiolo-IRCCS (Torino) awarded by the Italian Cancer Society in collaboration with Becton Dickinson
- [ 2014 ] **Immunotools Special Award 2014 Awarding institution:** Immunotools  
Awarded for the project "Delivery of therapeutic agents into melanoma by TGFβ-switch-dependent homing of mesenchymal stem cells (MSC) and endothelial progenitor cells (EPC)"

## PROJECTS

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[ 01/01/2025 – 31/12/2025 ]

### **HypoxiA-induced Lipid metabolism regulates tumor angiogenesis (HALO)**

Project funded by Fondazione Guido Berlucci through the Mini-Grant Award.

**Link:** <https://fondazioneberlucci.org/it/bandi/mini-grant-programme-call-2024>

## NETWORKS AND MEMBERSHIPS

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[ 2024 – Current ]

**Member of Società Italiana di Ematologia Sperimentale (SIES)**

[ 2016 – Current ]

**Member of Società Italiana di Patologia e Medicina Traslazionale (SIPMeT)**

[ 2015 – Current ]

**Member of the Società Italiana di Cancerologia (SIC)**

[ 2015 – Current ]

**Member of the European Association for Cancer Research (EACR)**

[ 2015 – Current ]

**Member of American Association for Cancer Research (AACR)**

## RESEARCH INTERESTS

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### **Current Research Topics**

- Tumor metabolism in hypoxic conditions
- Gastrointestinal cancer
- Lipid Metabolism
- Tumor angiogenesis

## COMMUNICATION AND INTERPERSONAL SKILLS

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[ 29/09/2025 – 30/09/2025 ]

### **Ph+ Leukemias**

Participant at

#### **1<sup>st</sup> International Conference on Ph+ Leukemias**

*Bologna, Italy*

[ 18/09/2025 – 20/09/2025 ]

### **SIPMeT 2025**

Poster communication at

#### **125<sup>th</sup> SIPMeT Anniversary Congress**

*Pavia, Italy*

[ 23/06/2025 – 24/06/2025 ]

### **Pezcoller Symposium 2025**

Participant at

#### **STUDYING AND TREATING CANCER IN THE DIGITAL ERA - Pezcoller Symposium 2025**

*Trento, Italy*

[ 16/06/2025 – 19/06/2025 ]

### **EACR Congress 2025**

Poster communication at

#### **EACR 2025 Congress: Innovative Cancer Science**

*Lisbon, Portugal*

[ 25/09/2024 – 27/09/2024 ]

### **SIC 2024**

Oral and Poster communication at

**SIC 2024 - 64th Annual Meeting of the Italian Cancer Society** - Science-driven approaches to achieve early diagnosis of cancer and to overcome therapy resistance

*Milan, Italy*

[ 19/09/2024 – 21/09/2024 ] **SIPMeT 2024**

Poster communication at

**SIPMeT 2024 Translational Pathophysiology**

*Udine, Italy*

[ 24/06/2024 – 25/06/2024 ] **Pezcoller Symposium 2024**

Poster communication at

**CANCER AS A SYSTEMIC DISEASE: INTERACTIONS BETWEEN TUMOR AND HOST -  
Pezcoller Symposium 2024**

*Trento, Italy*

[ 10/06/2024 – 13/06/2024 ] **EACR Congress 2024**

Poster communication at

**EACR Congress 2024: Innovative Cancer Science**

*Rotterdam, Netherlands*

[ 22/09/2023 – 23/09/2023 ] **General pathology: the trunk of the tree of medicine**

**General pathology: the trunk of the tree of medicine**

SIPMeT Young Scientists Meeting 2023

*Parma, Italy*

[ 19/06/2023 – 20/06/2023 ] **Pezcoller Symposium 2023**

Poster communication at

**NEW TECHNOLOGIES FOR STUDYING AND TREATING CANCER - Pezcoller Symposium  
2023**

*Trento, Italy*

[ 12/06/2023 – 15/06/2023 ] **EACR 2023 Congress**

Poster communication at

**EACR 2023 Congress: Innovative Cancer Science**

*Torino, Italy*

[ 11/10/2023 – 14/10/2023 ] **CHO2023 - 29ème congrès du Club Hématopoïèse et Oncogénèse**

Poster communication at

**29ème congrès du Club Hématopoïèse et Oncogénèse**

CHO2023

*Giens, Var, France*

[ 22/09/2022 – 24/09/2022 ] **PATHOPHYSIOLOGY OF DISEASE – SIPMeT Congress 2022**

**PATHOPHYSIOLOGY OF DISEASE**

SIPMeT Congress 2022

Ancona, Italy

[ 10/12/2021 – 11/12/2021 ] **Molecular Pathology: from bench to bedside**

Poster communication at

**Molecular Pathology: from bench to bedside**

SIPMeT Young Scientist Meeting 2021

Perugia, Italy

[ 28/10/2021 – 28/10/2021 ] **Cancer Research 2021: SIC Young Researchers take center stage**

Oral communication at

**Cancer Research 2021: SIC Young Researchers take center stage**

Online

[ 13/09/2019 – 14/09/2019 ] **PATHOBIOLOGY: FROM MOLECULAR DISEASE TO CLINICAL APPLICATION**

Oral communication at

**PATHOBIOLOGY: FROM MOLECULAR DISEASE TO CLINICAL APPLICATION**

SIPMeT Young Scientist Meeting 2019

Firenze, Italy

[ 12/04/2018 – 14/04/2018 ] **Hot Topics in Melanoma & Non Melanoma. Skin Cancer 2018**

Poster communication at

**Hot Topics in Melanoma & Non Melanoma. Skin Cancer 2018**

Firenze, Italy

[ 06/04/2018 – 06/04/2018 ] **Metabolomics analysis core service Workshop 2018**

Oral communication at

**Metabolomics analysis core service Workshop**, University of Florence, with a communication on "The metabolic profile of CRISPR/Cas9-engineered endothelial and tumor cells in mesenchymal and amoeboid conditions",

Firenze, Italy

## ORGANISATIONAL SKILLS

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### Organization Congressional Activity

Local Committee Organizer at

**PATHOBIOLOGY: FROM MOLECULAR DISEASE TO CLINICAL APPLICATION**

SIPMeT Young Meeting

Florence, 13-14 September 2019

### Reviewer Activity

- Reviewer for of Reviewer for International Journal of Molecular Sciences, Journal of Clinical Medicine, Genes, International Journal of Cancer, Open Journal of

Biotechnology and Bioengineering Research, Biomedicine and Pharmacotherapy, PLOS ONE, Cells, Cancers, Frontiers in Oncology and Frontiers in Medicine

- Reviewer Editor of Frontiers in Cell and Developmental Biology, "Cancer Cell Biology" section (ISSN: 2296634X) and Frontiers in Medicine, "Translational Medicine" section (EISSN: 2296-858X)

### Editorial Activity

- Guest Associate Editor of the Special Issue "Liquid biopsy and circulating cell profiling in metastatic disease: multi-omics approaches to monitor tumor progression and therapy response" for Frontiers in Cell and Developmental Biology (ISSN 2296-634X)
- Guest Associate Editor of the Special Issue "Innovative Biomarkers for Chronic Myeloid Leukemia: Detection, and Therapy" for the Hematologic Malignancies section of Frontiers in Oncology (ISSN 2234-943X)
- Guest Editor of the Special Issue "New Insights and Potential Therapeutic Options in Leukemia Metabolism Research" for Biomolecules (ISSN 2218-273X)
- Guest Associate Editor of the Special Issue "Turning Cold Tumors Hot: Insights Into Molecular Mechanisms and Clinical Applications of Immunogenic Cell Death" for Frontiers in Cell and Developmental Biology (ISSN 2296-634X)
- Guest Editor of the Special Issue "Gastric Cancer: From New Molecular Insights to Innovative Robotical Approaches" for Biology (ISSN 2079-7737)
- Guest Editor of the Special Issue "Genetics and Genomics of Gastrointestinal Cancers" for Biomolecules (ISSN 2218-273X)
- Guest Associate Editor of the Special Issue "Redox Potential and Metabolic Behavior in Gastrointestinal Cancers" for Frontiers in Oncology (ISSN 2234-943X)
- Guest Associate Editor of the Special Issue "CRISPR Advancement in Cancer Research and Future Perspectives" for Frontiers in Oncology (ISSN 2234-943X)

### TEACHING

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- [ 04/06/2025 – 05/06/2025 ] **ADE "Virus, Vaccini e Reazioni allergiche", Faculty of Pharmacy, University of Florence, Italy**
- [ 25/02/2025 – 26/02/2025 ] **Pathology lesson, Master I Livello - Lesioni cutanee nell'adulto e nel bambino: prevenzione e trattamento 2024-2025, University of Florence, Italy**
- [ 03/12/2024 – 03/12/2024 ] **ADE "Medicina Trasfusionale", Infermieristica, University of Florence, Empoli, Italy**