

Francesco Fazi
Curriculum Vitae

Place: Rome

Date: 17 March 2026

Francesco Fazi, Ph.D

ISTITUTIONAL ADDRESS: Department of Wellbeing, Health and Environmental Sustainability (BeSSA), Sapienza University of Rome, Rieti, c/o Department of Anatomical, Histological, Forensic & Orthopaedic Sciences, Section of Histology and Medical Embryology, Sapienza University of Rome, Via A. Scarpa, 14-16, 00161 Rome, Italy;

EDUCATION:

- **17-12-1998:** Degree in Biology, with honors, Department of Cellular Biotechnology and Hematology, Sapienza University of Rome, with a dissertation entitled: “Molecular and Genetic Alteration of Acute Myeloid Leukemia”.
- **07-04-2004:** Ph.D. Degree in Morphogenetic and Cytological Science, Department of Histology and Medical Embryology, Sapienza University of Rome, with a dissertation entitled: “Molecular Basis for Transcriptional Differentiation Therapy of Acute Myeloid Leukemia”.
- **01-07-2004 to 31-10-2007:** Post-doctoral Fellow with a project entitled: “Characterization of the biological role of the remodeling chromatin agents on normal and leukemic hematopoietic progenitors”, Department of Histology and Medical Embryology, Sapienza University of Rome, Rome, Italy;
- **01-11-2007:** University Researcher SSD BIO/17. I Faculty of Medicine and Surgery - Polo Pontino, Sapienza University of Rome, Latina, Italy;
- **01-11-2010:** University Researcher SSD BIO/17. Department of Medical-Surgical Sciences and Biotechnologies, Sapienza University of Rome, Latina, Italy;
- **20-01-2014:** University Researcher SSD BIO/17. Department of Anatomical, Histological, Forensic & Orthopaedic Sciences, Sapienza University of Rome, Rome, Italy;
- **18-01-2019:** Associate Professor SSD BIO/17. Department of Anatomical, Histological, Forensic & Orthopaedic Sciences, Sapienza University of Rome, Rome, Italy;
- **24-12-2019:** National Scientific Qualifications as Full Professor in SSD BIO/17;
- **01-11-2025:** Associate Professor GSD 05/BIOS-13 and SSD BIOS-13/A Histology and Human Embryology. Department of Wellbeing, Health and Environmental Sustainability (BeSSA), Sapienza University of Rome, Rieti, Italy;

TEACHING ACTIVITIES:

- Expert in the discipline in the Integrated Course of Histology and Human Embryology, School of Medicine CLM "E" - Polo Pontino - Sapienza University of Rome (AA 2003/2004 - 2007/2008);
- Professor in the Integrated Course of Histology and Human Embryology, School of Medicine CLM "E" - Polo Pontino - Sapienza University of Rome (AA 2008/2009 - to date);
- Professor of Histology in the Integrated Course of Morphological and Functional Bases of the Human Body, Degree Course in Biomedical Laboratory Techniques "C" - Polo Pontino - Sapienza University of Rome (AA 2008/2009 - to date);
- Coordinator of the Integrated Course of Morphological and Functional Bases of the Human Body, Degree Course in Biomedical Laboratory Techniques "C" - Polo Pontino - Sapienza University of Rome (AA 2014/2015 - to date);
- Coordinator and Professor of Histology in the Integrated Course of Anatomical and Physiological Bases of Human Body, School of Nursing "J" ASL RM/1 Ospedale G. Eastman, Sapienza University of Rome (AA 2011/2012 – 2023/2024);
- Professor of Histology in the Integrated Course of Anatomical and Physiological Bases of Human Body, School of Nursing "W" Formia-Gaeta - Polo Pontino - Sapienza University of Rome (AA 2011/2012 - 2019/2020);
- Professor in the Course of Professional Laboratory, Degree Course in Biomedical Laboratory Techniques "C" – Polo Pontino - Sapienza University of Rome (AA 2013/2014 – 2022/2023);
- Professor of Physiology in the Integrated Course of Anatomical and Physiological Bases of Human Body, School of Nursing "J" ASL RM/1 Ospedale G. Eastman, Sapienza University of Rome (AA 2015/2016 - 2019/2020);

- Professor of Histology in the Integrated Course of Anatomical and Physiological Bases of Human Body, School of Nursing "E" ASL RM/1 Ospedale Santo Spirito, Sapienza University of Rome (AA 2017/2018 - 2022/2023);
- Coordinator of the Integrated Course of Anatomical and Physiological Bases of Human Body, School of Nursing "E" ASL RM/1 Ospedale Santo Spirito, Sapienza University of Rome (AA 2020/2021 - 2022/2023);
- Professor in the Integrated Course of Histology and Human Embryology, School of Medicine CLM "A" - Sapienza University of Rome (AA 2020/2021);
- Coordinator and Professor in the Integrated Course of Histology and Human Embryology, School of Medicine CLM "HT" - Sapienza University of Rome (AA 2020/2021 - to date);
- Coordinator and Professor of Histology in the Integrated Course of Anatomical and Physiological Bases of Human Body, School of Nursing "T" Regione Molise ASL 2 – Pientia Isernia, Sapienza University of Rome (AA 2021/2022);
- Professor of Histology in the Integrated Course of Morphological and Functional Bases of the Human Body, Degree Course in Neurophysiopathology Technicians - Roma Azienda Policlinico Umberto I - Sapienza University of Rome (AA 2022/2023 - 2023/2024);
- Coordinator and Professor of Histology in the Integrated Course of Morphological and Functional Bases of the Human Body, Degree Course in Dental Hygiene - A - Roma Azienda Policlinico Umberto I - Sapienza University of Rome (AA 2022/2023 - to date);
- Professor of Histology in the Integrated Course of Anatomical and Physiological Bases of Human Body, Degree Course in Physiotherapy - B - ASL Rieti - Sapienza University of Rome (AA 2022/2023 - to date);
- Professor of Histology in the Integrated Course of Morphological and Functional Bases of the Human Body, Degree Course in Prevention Technicians in the Environment and Workplaces - B - ASL Rieti - Sapienza University of Rome (AA 2023/2024 - to date);
- Professor of Histology in the Integrated Course of Anatomical and Physiological Bases of Human Body, School of Nursing "S" - ASL Rieti - Sapienza University of Rome (AA 2023/2024);
- Professor of Histology in the Integrated Course of Morphological and Functional Bases of the Human Body, Degree Course in Medical Radiology, Imaging and Radiotherapy Technicians - C - ASL Rieti - Sapienza University of Rome (AA 2023/2024 - to date);
- Professor of Histology in the Integrated Course of Morphological and Functional Bases of the Human Body, Degree Course in Biomedical Laboratory Techniques - F - ASL Rieti - Sapienza University of Rome (AA 2023/2024 - to date);
- Coordinator and Professor of Histology in the Integrated Course of Morphological and Functional Bases of the Human Body, Degree Course in Dental Hygiene - D - ASL Rieti - Sapienza University of Rome (AA 2022/2023 - to date);
- Coordinator and Professor of Histology in the Integrated Course of Anatomical and Physiological Bases of Human Body, Degree Course in Speech and Language Therapy - ASL Rieti - Sapienza University of Rome (AA 2023/2024 - to date);
- Coordinator and Professor of Histology in the Integrated Course of Morphological and Functional Bases of the Human Body, Degree Course in Dietetics - ASL Rieti - Sapienza University of Rome (AA 2023/2024 - to date);
- Coordinator and Professor in the Integrated Course of Histology and Human Embryology, School of Medicine CLM "G" - Polo di Rieti - Sapienza University of Rome (AA 2024/2025 - to date);

INSTITUTIONAL ACTIVITIES

- Vice President of the Degree Course in Biomedical Laboratory Techniques "C" - Polo Pontino - Sapienza University of Rome (AA 2014/2015 - 2019/2020);
- President of the Degree Course in Biomedical Laboratory Techniques "C" - Polo Pontino - Sapienza University of Rome (AA 2019/2020 - 2022/2023 and 2023/2024 - to date);
- President of the Quality Management Commission AQ (CGAQ) - Degree Course in Biomedical Laboratory Techniques "C" - Polo Pontino - Sapienza University of Rome (AA 2017/2018 - to date);
- Member of the Quality Teaching Observatory Committee - Degree Course in Biomedical Laboratory Techniques "C" - Polo Pontino - Sapienza University of Rome (AA 2017/2018 - 2019/2020);

- President of Surveillance Committee - Admission to Master's Degree Courses in Medicine and Surgery and Dentistry and Dental Prosthetics, Sapienza University of Rome (AA 2011/2012 - 2021/2022);
- President of Surveillance Committee - Admission to Degree Courses in Health Professions, Sapienza University of Rome (AA 2014/2015 - 2021/2022);
- Member of the Research Committee of Sapienza University of Rome (2014 - 2015 and 2019 - 2020);
- Member of the Research Committee of Department of Anatomical, Histological, Forensic & Orthopaedic Sciences, Sapienza University of Rome (2019 - 2020);
- Member of the Faculty Board of the Faculty of Pharmacy and Medicine - Sapienza University of Rome (AA 2022/2023);
- Member of Technical-Scientific Council of the Research and Services Centre - Preclinical Experimentation and Animal Welfare - SPBA (2022 - to date);
- Departmental Representative for Tutoring and Orientation of Degree Courses pertaining to the Department of Anatomical, Histological, Forensic & Orthopaedic Sciences, Sapienza University of Rome (2022 - 2025);

TEACHING AND INSTITUTIONAL ACTIVITIES AT SAPIENZA SCHOOL FOR ADVANCED STUDIES (SSAS)

- Junior Research Fellow - Sapienza School for Advanced Studies (SSAS) (2019 - 2021 and 2022 - 2025);
- Member of Board of Directors - Sapienza School for Advanced Studies (SSAS) (2022 - 2025);
- Member of Admission Examination Committee for the Doctoral Course SSAS, Sapienza Università di Roma (AA 2020/2021);
- Member of Scientific Committee of the Interdisciplinary Course SSAS (AA 2021/2022 and AA 2022/2023);
- Professor in the Interdisciplinary Course - Reality and Models (AA 2019/2020); Cities (AA 2020/2021); Food, between nature and culture (AA 2021/2022); Migrations (AA 2022/2023);
- Professor in the Disciplinary Course - Animal testing: technical-scientific and legislative-ethical aspects (AA 2021/2022);
- Coordinator and Professor in the Disciplinary Course - Introduction to Cellular and Molecular Methodologies in Biomedical Research (AA 2021/2022 and AA 2022/2023);
- Coordinator and Professor in the Disciplinary Course - Molecular biomarkers in biomedical research and precision medicine (AA 2023/2024);
- Coordinator and Professor in the Disciplinary Course - The valorization of the useless: the example of non-coding RNAs (AA 2024/2025);

TEACHING AND INSTITUTIONAL ACTIVITIES AT THE PHD SCHOOL

Member of the Faculty Board of the PhD program in “Morphogenesis and Tissue Engineering” at Sapienza University of Rome (formerly “Morphogenesis, Homeostasis and Tissue Engineering”; formerly “Morphogenetic and Cytological Sciences”) from the XXIII cycle - AA 2007/08 to date.

- **Tutor for PhD student:** Dr. Beatrice Salvatori (XXIV cycle of the PhD course in Genetics and Molecular Biology), Dr. Ilaria Iosue (XXV cycle of the PhD course in Morphogenetic and Cytological Sciences), Dr. Carmen Vico (XXVII cycle of the PhD course in Morphogenesis, Homeostasis and Tissue Engineering), Dr. Teresa Bellissimo (XXIX cycle of the PhD course in Morphogenesis and Tissue Engineering), Dr. Ernestina Capuano (XXXI cycle of the PhD course in Morphogenesis and Tissue Engineering), Dr. Claudia Tito (XXXII cycle of the PhD course in Morphogenesis and Tissue Engineering), Dr. Alessia Iaiza (XXXV cycle of the PhD course in Morphogenesis and Tissue Engineering), Dr. Francesca Liccardo (XXXV cycle of the PhD course in Morphogenesis and Tissue Engineering), Dr. Tissue Engineering, Dr. Bianca Cesaro (XXXVI cycle of the Doctoral Course in Morphogenesis and Tissue Engineering), Dr. Gilla Mazzanti (XXXVIII cycle of the Doctoral Course in Morphogenesis and Tissue Engineering), Dr. Annalisa Pia Abbinantefina (XXXIX cycle of the Doctoral Course in Morphogenesis and Tissue Engineering), Dr. Michela Coiro (XL cycle of the Doctoral Course in Morphogenesis and Tissue Engineering), Dr. Lavinia Pace (XLI cycle of the Doctoral Course in Morphogenesis and Tissue Engineering).



- **External Referee for PhD Thesis:** PhD Program in Medical-Surgery Biotechnology and Translational Medicine - *University of Rome "Tor Vergata"* XXXIII, XXXIV and XXXV cycle; PhD Program in Immunology, Molecular Medicine and Applied Biotechnology - *University of Rome "Tor Vergata"* XXXVI and XXXVII cycle; PhD in Oncology, Hematology and Pathology - *Alma Mater Studiorum University of Bologna* XXXVI, XXXVII and XXXVIII cycle; PhD in Experimental and Translational Medicine - *Catholic University of Rome* XXXVII cycle; PhD in Integrated Biomedical Sciences and Bioethics - *University Campus Bio-Medico of Rome* XXXVIII cycle;
- **Member of Commission for the admission to PhD program:** PhD Program in Morphogenesis and Tissue Engineering, Sapienza University of Rome XXIX, XXXII, XXXV, XXXVIII and XLI cycle;
- **Member of Commission for the final evaluation of PhD Thesis:** PhD Program in Immunology, Molecular Medicine and Applied Biotechnology - *University of Rome "Tor Vergata"* (28-11-2023); PhD in Oncology, Hematology and Pathology - *Alma Mater Studiorum University of Bologna* (16-03-2026);

TUTOR FOR MASTER AND BACHELOR DEGREE THESIS

- Master's Degree Thesis in Medical Biotechnology, Faculty of Pharmacy and Medicine, Sapienza University of Rome, candidate Roberto Quaranta (AA 2011-2012); title of the experimental thesis: "The Argonaute 2 protein in myelopoiesis: a potential target for the development of new therapeutic agents in acute myeloid leukemia";
- Master's Degree Thesis in Medical Biotechnology, Faculty of Pharmacy and Medicine, Sapienza University of Rome, candidate Ernestina Capuano (AA 2014-2015); title of the experimental thesis: "Retinoic acid-induced differentiation sensitizes Acute Promyelocytic Leukemia cells to ER-stress";
- Master's Degree Thesis in Genetics and Molecular Biology in Basic and Biomedical Research, Faculty of SMFN, candidate Claudia Tito (AA 2015-2016); title of the experimental thesis: "Role of epigenetic regulation of miR-145-5p in thymic epithelial tumor";
- Bachelor's Degree Thesis in Biomedical Laboratory Techniques, Faculty of Pharmacy and Medicine, Sapienza University of Rome, candidate Giuseppe Di Martino (AA 2015-2016); title of the experimental thesis: "Expression of Argonauta family proteins in malignant epithelial tumors of the mammary gland";
- Bachelor's Degree Thesis in Biomedical Laboratory Techniques, Faculty of Pharmacy and Medicine, Sapienza University of Rome, candidate Laura Giammusso (AA 2017-2018); title of the experimental thesis: "miR-210-3p as a diagnostic marker in liquid biopsies of clear cell renal cell carcinoma";
- Bachelor's Degree Thesis in Biomedical Laboratory Techniques, Faculty of Pharmacy and Medicine, Sapienza University of Rome, candidate Sara Hanchi (AA 2017-2018); title of the experimental thesis: "Argonauta2: new molecular marker in the diagnosis and prognostics of breast cancer";
- Master's Degree Thesis in Genetics and Molecular Biology in Basic and Biomedical Research, Faculty of SMFN, candidate Alessia Iaiza (AA 2018-2019); title of the experimental thesis: "Role of the methyltransferase METTL3 in the neoplastic determination of thymic epithelial tissue";
- Master's Degree Thesis in Genetics and Molecular Biology in Basic and Biomedical Research, Faculty of SMFN, candidate Francesca Liccario (AA 2018-2019); experimental thesis title: "Development of a combined therapeutic strategy to induce cell death of leukemic myeloid progenitors";
- Bachelor's Degree Thesis in Biomedical Laboratory Techniques, Faculty of Pharmacy and Medicine, Sapienza University of Rome, candidate Martina Magnanti (AA 2020-2021); experimental thesis title: "Identification of new molecular biomarkers for clear cell renal cell carcinoma (ccRCC): Study of circulating RNA methylation levels in liquid biopsies";
- Bachelor's Degree Thesis in Biological Sciences, Faculty of SMFN, candidate Lucrezia Tondo (AA 2020-2021); experimental thesis title: "Effects of the combined use of FLT3 inhibitors and proteotoxic stress inducers in acute myeloid leukemia cells";
- Bachelor's Degree Thesis SSAS, candidate Lucrezia Tondo (AA 2020-2021); title of the thesis: "Relapses and resistance in the therapies of acute myeloid leukemia";
- Master's Degree Thesis in Genetics and Molecular Biology in Basic and Biomedical Research, Faculty of SMFN, candidate Gilla Mazzanti (AA 2021-2022); title of the experimental thesis: "Role of



METTL3 inhibition in myeloid differentiation induced by retinoic acid and analogues with HDACi activity”;

- Bachelor's Degree Thesis SSAS, candidate Lorenzo Stufera Mecarelli (AA 2021-2022); title of the thesis: “The importance of live imaging to study RNA dynamics: use of fluorescent RNA aptamers to visualize circRNAs.”;
- Master's Degree in Genetics and Molecular Biology, Faculty of SMFN, candidate Viviana Romano (AA 2022-2023); title of the experimental thesis: “Bone marrow stromal cells and Acute Myeloid Leukemia cells interaction: study of anti-apoptotic pathways to overcome therapy resistance”;
- Master's Degree Thesis in Genetics and Molecular Biology in Basic and Biomedical Research, Faculty of SMFN, candidate Annalisa Pia Abbinantefina (AA 2022-2023); title of the experimental thesis: “Development of a system for delivering inhibitors and degraders specific for KRAS mutants in tumor cells based on ferritin nanoparticles”;
- Bachelor's Degree Thesis in Biomedical Laboratory Techniques, Faculty of Pharmacy and Medicine, Sapienza University of Rome, candidate Simina Apicella (AA 2023-2024); title of the experimental thesis: “The role of the non-coding RNA MALAT1 in the regulation of Sorcin gene expression in non-small cell lung cancer”;
- Master's Degree Thesis in Genetics and Molecular Biology in Basic and Biomedical Research, Faculty of SMFN, candidate Michela Coiro (AA 2023-2024); title of the experimental thesis: “The role of circHIPK3 in the stress response in Triple Negative Breast Cancer”;
- Master's Degree Thesis in Genetics and Molecular Biology in Basic and Biomedical Research, Faculty of SMFN, candidate Lavinia Pace (AA 2024-2025); title of the experimental thesis: Evaluation of the molecular mechanisms of proteotoxic stress and Venetoclax in targeting Acute Myeloid Leukemia progenitors, overcoming bone marrow niche resistance

TUTOR FOR PHD THESIS:

- Dr Beatrice Salvatori, PhD in Genetics and Molecular Biology XXIV cycle Sapienza University of Rome, Coordinator Prof. Irene Bozzoni; title of the experimental thesis: "A new molecular circuitry mediated by miR-26a regulates cell cycle progression and differentiation of Acute Myeloid Leukemia cells through inhibition of E2F7 protein";
- Dr Ilaria Iosue, PhD in Morphogenesis, Homeostasis and Tissue Engineering XXV cycle Sapienza University of Rome, Coordinator Prof. Sergio Adamo; title of the experimental thesis: "Critical role of microRNA biogenesis pathway during myeloid cell fate determination";
- Dr Carmen Vico, PhD in Morphogenesis, Homeostasis and Tissue Engineering XXVII cycle Sapienza University of Rome, Coordinator Prof. Sergio Adamo; title of the experimental thesis: “MicroRNAs as molecular biomarkers in human thymic epithelial tumors and in forensics”
- Dr Teresa Bellissimo, PhD in Morphogenesis, Homeostasis and Tissue Engineering XXIX cycle Sapienza University of Rome, Coordinator Prof. Sergio Adamo; title of the experimental thesis: “Impact of miR-145-5p expression on Thymic Epithelial Tumors and Breast Cancer phenotype”;
- Dr Ernestina Capuano, PhD in Morphogenesis and Tissue Engineering XXXI cycle Sapienza University of Rome, Coordinator Prof. Sergio Adamo; title of the experimental thesis: “Development of a combination strategy based on ER and oxidative stress in Acute Myeloid Leukemia”;
- Dr Claudia Tito, PhD in Morphogenesis and Tissue Engineering XXXII cycle Sapienza University of Rome, Coordinator Prof. Antonio Musarò; title of the experimental thesis: “Contribution of LINC00174 into cell migration and lipid metabolism in Thymic Epithelial Tumors cells”;
- Dr Alessia Iaiza, PhD in Morphogenesis and Tissue Engineering XXXV cycle Sapienza University of Rome, Coordinator Prof. Antonio Musarò; title of the experimental thesis: “Role of m6A-dependent circRNAs during stress response in myeloid leukemic cells”;
- Dr Francesca Liccardo, PhD in Morphogenesis and Tissue Engineering XXXV cycle Sapienza University of Rome, Coordinator Prof. Antonio Musarò; title of the experimental thesis: “Retinoic Acid and proteotoxic stress induce myeloid leukemia progenitors cell death overcoming the protective effects of the bone marrow niche mesenchymal cells”;
- Dr Bianca Cesaro, PhD in Morphogenesis and Tissue Engineering XXXVI cycle Sapienza University of Rome, Coordinator Prof. Antonio Musarò; title of the experimental thesis: “Enhancing sensitivity



of triple-negative breast cancer to DNA damaging therapy through chemical inhibition of the m6A methyltransferase METTL3”;

- Dr Gilla Mazzanti PhD in Morphogenesis and Tissue Engineering XXXVIII cycle Sapienza University of Rome, Coordinator Prof. Antonio Filippini; title of the experimental thesis: “Characterization of the AML Bone Marrow Microenvironment Response to Azacitidine + Venetoclax Treatment”;

MEMBER OF COMMISSION

- Member of the Selection Committee for the comparative evaluation procedure based on qualifications and interview for the recruitment of a researcher with a fixed-term employment contract for the competition sector 05/H2 - HISTOLOGY, for the scientific-disciplinary sector BIO/17 - HISTOLOGY at Alma Mater Studiorum - University of Bologna (12-04-2022)
- Member of the Selection Committee for the evaluation procedure for no. 1 fixed-term researcher position for the competition sector 05/H2 - HISTOLOGY, scientific-disciplinary sector: BIO/17 HISTOLOGY at the Faculty of Medicine and Surgery "A. Gemelli" of the Catholic University of Rome (23-02-2024);
- Member of the Selection Committee for the evaluation procedure for no. 1 position of associate professor at the Department of Experimental Medicine (DIMES) for the scientific-disciplinary sector BIOS-13/A - Human Histology and Embryology, scientific-disciplinary group 05/BIOS-13 Human Histology and Embryology - University of Genoa (04-09-2024)
- Member of the Selection Committee for the evaluation procedure for the recruitment of n. 1 fixed-term researcher for the scientific-disciplinary group 05/BIOS-13 HUMAN HISTOLOGY AND EMBRYOLOGY, scientific-disciplinary sector BIOS-13/A HUMAN HISTOLOGY AND EMBRYOLOGY, at the Faculty of Medicine and Surgery “A. Gemelli” of the Catholic University of the Sacred Heart (08/10/2025)

ACTIVITY IN THE ERASMUS+ and CIVIS Programs

- LYON01 Lyon 1 University - Agreement promoter for ERASMUS+ Program - Faculty of Pharmacy and Medicine Sapienza University of Rome (2019 - to date);
- ZARAGOZ07 UNIVERSIDAD SAN JORGE - Agreement promoter for ERASMUS+ Program - Faculty of Pharmacy and Medicine Sapienza University of Rome (2025 - to date);
- MSCA-IF/CIVIS Supervisor - Pharmacy and Medicine Sapienza University of Rome - Life Sciences (LIF) (2021 - to date)

ORIENTATION EVENTS AND OPEN DAYS

- Orientation in high schools - NextGenerationEU - Sapienza University of Rome (AA 2024/2025 - to date - 60 h)
- Open Day at Sapienza University of Rome - for the Degree Course in Biomedical Laboratory Techniques "C" - Polo Pontino - Sapienza University of Rome (AA 2021/2022 - to date)

ACADEMIC AWARDS

- Ph.D. degree award for the doctoral dissertation assigned by the Italian Cell Biology and Differentiation Association, Italy (2003);
- “Silvia Fiocco” award for young investigator involved in researcher on leukemia and lymphoma assigned by National Academy of Lincei, Italy (2008);

SOCIETY MEMBERSHIPS

- Member of the College of Teachers of Histology and Embryology CDIE (2007 - to date);
- Member of the Medical Academy of Rome (2012 - to date);
- Member of the Italian Society of Anatomy and Histology (2013 - to date);
- Member of the Italian Society of Experimental Hematology (SIES) (2018 - to date);
- Member of the Italian Society of Histochemistry (SII) (2019 - to date);
- Member of Association of Cell Biology and Differentiation (ABCD) (2019 - to date);
- Member of European Association for Cancer Research (EACR) (2023 - to 2025);

MEMBER OF EDITORIAL BOARDS

- **Guest Editor** for the Research Topic entitled: “MicroRNAs: Non-Coding Pleiotropic Factors in Development, Cancer Prevention and Treatment” - microRNA Journal - Bentham Science, (MicroRNA. 2013;2(2):81);
- **Guest Editor** for the Research Topic entitled “The RNA Revolution in Embryonic Development and Cell Differentiation in Health and Disease” - Stem Cell Research section of Frontiers Cell and Developmental Biology, (Front Cell Dev Biol. 2021 Sep 14;9:715341);
- **Guest Editor** for the Research Topic entitled “Protein Homeostasis in Growth, Development and Disease” - Signaling section of Frontiers Cell and Developmental Biology (Front Cell Dev Biol. 2023 Feb 6;11:1150158);
- **Associate Editor** in the Editorial Board of Frontiers in Cell and Developmental Biology - Developmental Epigenetics (2022 - 2025);
- **Guest Editor** for the Research Topic entitled “Cellular Crosstalk and Signaling in Physiological and Pathological Development” - Signaling section of Frontiers Cell and Developmental Biology (2025 - to date);
- **Member of the Editorial Board** - Journal of Experimental & Clinical Cancer Research - Springer Nature (2025 - to date);
- **Associate Editor** in the Editorial Board of Frontiers in Cell and Developmental Biology - Chromosome and Chromatin Biology (2025 - to date);
- **Associate Editor** in the Editorial Board of Journal of Molecular Histology - Springer Nature (2025 - to date);
- **Editor-in-Chief** of Italian Journal of Anatomy and Embryology - Firenze University Press (starting 15 March 2026)

REVIEWER FOR SCIENTIFIC JOURNALS AND NATIONAL AND INTERNATIONAL FUNDING AGENCIES

- Reviewer for several International Scientific Journals such as: Blood, Leukemia, Oncogene, Cell Death and Differentiation, Cell Death and Disease, Cancer Research, Molecular Cancer, JECCR.
- Reviewer for National and International Founding Agencies such as: Regina Elena National Cancer Institute, Italy (Ricerca Finalizzata 2010 and 2011); the Bloodwise UK Foundation, UK (2016); the National Science Center, Poland (2016, 2019 and 2022); external reviewer for EHA's Research Grants (2025);

DIRECTION OF SCIENTIFIC COLLABORATIONS

- Direction of the Scientific Collaboration with the **Catholic University of the Sacred Heart of Rome** - Italy for the development of the projects: “Modulation of EGFR signalling by cross-talk with other membrane receptor pathway” PRIN2017 Prot.2017TATYMP and “Development of a therapeutic strategy based on ER and oxidative stress to target Acute Myeloid Leukemia” (AIRC2018-IG21406) (Prot. n. 0001587 del 12/06/2019);
- Direction of the Scientific Collaboration with the **University of Rome Tor Vergata** for the development of the project: “Development of a therapeutic strategy based on ER and oxidative stress to target Acute Myeloid Leukemia” (AIRC2018-IG21406) (Prot. n. 0001843 del 15/07/2019);

SCIENTIFIC COLLABORATIONS

- Scientific collaboration with **Prof. Alessandro Fatica** at Sapienza University of Rome, which has been ongoing for many years, aims to identify the molecular mechanisms underlying normal and pathological cell differentiation. This collaboration has led to the publication of several scientific papers, including the most recent:
-Enhancing sensitivity of triple-negative breast cancer to DNA-damaging therapy through chemical inhibition of the m6A methyltransferase METTL3. Cesaro B, et al. Cancer Commun (Lond). 2024 Feb;44(2):282-286.
-New insight into the catalytic -dependent and -independent roles of METTL3 in sustaining aberrant translation in chronic myeloid leukemia. Ianniello Z, et al. Cell Death Dis. 2021 Sep 24;12(10):870. doi: 10.1038/s41419-021-04169-7.

- Scientific collaboration with **Dr. Giovanni Blandino**, Scientific Director of Regina Elena Cancer Institute in Rome. This collaboration, already underway for several years, aimed at studying the epigenetic regulation of normal and pathological cell differentiation and identifying the molecular mechanisms underlying neoplastic transformation has led to the publication of several scientific papers, including the most recent:
 - Expression of ID4 protein in breast cancer cells induces reprogramming of tumour-associated macrophages. Donzelli S, et al. *Breast Cancer Res.* 2018 Jun 19;20(1):59. doi: 10.1186/s13058-018-0990-2.
 - Argonaute 2 drives miR-145-5p-dependent gene expression program in breast cancer cells. Bellissimo T, et al. *Cell Death Dis.* 2019 Jan 8;10(1):17. doi: 10.1038/s41419-018-1267-5.
 - MALAT1-dependent hsa_circ_0076611 regulates translation rate in triple-negative breast cancer. Turco C, et al. *Commun Biol.* 2022 Jun 16;5(1):598. doi: 10.1038/s42003-022-03539-x.
- Scientific collaboration with the group previously led by **Prof. Francesco Lo Coco** and currently by **Prof. Maria Teresa Voso**, Director of the Advanced Diagnostics Unit for Oncohematology at the Tor Vergata Polyclinic, has been ongoing for many years and was formalized and registered on July 15, 2019, protocol number 113/2019. This collaboration is related to the research project "Development of a therapeutic strategy based on ER and oxidative stress to target Acute Myeloid Leukemia" (AIRC 2018 - IG-21406).
 - The synergy with this research group, already consolidated for many years, has led to the completion of several studies, as evidenced by some of the most recent scientific publications:
 - Retinoic acid and arsenic trioxide sensitize acute promyelocytic leukemia cells to ER stress. Masciarelli S, et al. *Leukemia.* 2018 Feb; 32(2): 285-294.
 - Retinoic acid synergizes with the unfolded protein response and oxidative stress to induce cell death in FLT3-ITD+ AML. Masciarelli S, et al. *Blood Adv.* 2019 Dec 23;3(24):4155-4160. doi: 10.1182/bloodadvances.2019000540.
- Scientific collaboration with **Dr. Gianni Colotti** of the IBPM-CNR of Rome aimed to clarify the contribution of calcium signaling and the EGFR pathway during morphogenesis and in normal and pathological cellular differentiation. This collaboration has led to the publication of several scientific papers, including:
 - EGF receptor in organ development, tissue homeostasis and regeneration. Tito C, et al. *J Biomed Sci.* 2025 Feb 19;32(1):24. doi: 10.1186/s12929-025-01119-9.
 - Sorcin promotes migration in cancer and regulates the EGF-dependent EGFR signaling pathways. Tito C, et al. *Cell Mol Life Sci.* 2023 Jul 13;80(8):202. doi: 10.1007/s00018-023-04850-4.
- Scientific collaboration with **Prof. Jolanta Jura** Dean of the Faculty of Biochemistry, Biophysics and Biotechnology, Jagiellonian University, Krakow, Poland aimed to clarify the activity of MCPIP1 and MCPIP3 as the main regulator of the stability and function of circRNA in keratinocytes and in squamous cell carcinoma. This collaboration is supported by the MAP-ID project - HORIZON-MSCA-2023-COFUND-01 (2025-2030)

ACTIVITY IN NATIONAL AND INTERNATIONAL RESEARCH INSTITUTES

- **European Institute of Oncology** - IEO - Milan, laboratory of Molecular Mechanisms of Cancer headed by Prof. Pier Giuseppe Pelicci, during PhD program (September 2000 - Dicembre 2000);
- **San Raffaele Bio-Medical Park Foundation of Rome**, laboratory of Neoplastic cell Differentiation headed by Prof.ssa Clara Nervi (February 2002 - October 2010);

PERSONAL SKILLS AND COMPETENCES:

Francesco Fazi has extensive experience in the study of molecular mechanisms regulating growth and differentiation across a variety of normal and neoplastic cell systems. He has been involved in research identifying novel oncogenic mechanisms associated with leukemia-related fusion proteins, as well as in studies investigating the role of epigenetic mechanisms in the differentiation block and therapeutic response of Acute Myeloid Leukemia.

More recently, his work has focused on proteotoxic stress as a therapeutic strategy for Acute Myeloid Leukemia and on clarifying the role of the mechanotransduction network in the crosstalk between bone marrow stromal cells (BMSCs) and AML cells. In addition, his recent research explores the contribution of ncRNAs to the molecular basis of neoplastic tissues and the epitranscriptomic regulation of mRNA expression.

RESEARCH GRANTS

- Project AIRC-NUSUG 2007-2012 (New Unit Start-Up Grant) of the Italian Association for Cancer Research (AIRC) entitled: "Transcriptional regulation and functional characterization of microRNAs in pathological hematopoiesis". Months: 60; role: PI; € 539.600
- Project Faculty 2008 - Sapienza University of Rome entitled: "Transcriptional regulation and functional characterization of microRNAs in pathological hematopoiesis". Months: 12; role: PI; € 8.958
- Project Grandi Attrezzature 2009 - Sapienza University of Rome entitled: "Generation and use of viral vectors for the study of homeostasis and tissue regeneration". PI; € 95.000
- Project Faculty 2009 - Sapienza University of Rome entitled: "Transcriptional regulation and functional characterization of microRNAs in pathological hematopoiesis". Months: 12; role: PI; € 2.400
- Project FARI 2010 - Sapienza University of Rome. Months: 12; role: PI;
- Project FARI 2011 - Sapienza University of Rome. Months: 12; role: PI; € 7.000
- Project Ateneo 2012 - Sapienza University of Rome entitled: "Identification and characterization of microRNAs as innovative therapeutic markers for human tumors of the thymic epithelial tissue". Months: 12; role: PI; PI; € 7.000
- Project FILAS-RU-2014-1020 - Regione Lazio entitled: "Platform of Eukaryotic Cellular Systems for the Expression of Heterologous Proteins and for the Toxicological Screening of Food, Microenvironmental and Bioactive Interferants". Months: 24; role: Participant;
- Project Ateneo 2016 - Sapienza University of Rome entitled: "Epigenetic regulation and functional characterization of miR-145-5p in thymic epithelial tumors". Months: 12; role: PI; € 8.800 + € 23.600 Research Fellow
- Project Fund for Funding for Basic Research Activities 2017. Months: 12; role: PI; € 3.000
- PRIN 2017: "Modulation of EGFR signaling by cross-talk with other membrane receptor pathways". Months: 36; role: PI of Research Unit; € 213.000
- Project Fondazione Cenci-Bolognetti Call 2018 "Under 45" entitled: "Development of a combination strategy based on ER and oxidative stress in Acute Myeloid Leukemia". Months: 24; role: PI; € 40.000
- Project Ateneo 2018 - Sapienza University of Rome entitled: "Impact of circulating miRNAs uptake and internalization on of EGFR signaling pathway in neoplastic cells". Months: 12; role: PI; € 10.000
- Project AIRC 2018: "Development of a therapeutic strategy based on ER and oxidative stress to target Acute Myeloid Leukemia". Months: 60; role: PI; € 505.100
- Project Ateneo 2021 - Sapienza University of Rome entitled: Development of novel therapeutic strategies to overcome resistance to tyrosine-kinase and bcl-2 inhibitors in FLT3-ITD+ Acute Myeloid Leukemia cells. Months: 12; role: PI; € 36.000 + € 23.787 Research Fellow
- PNRR_CN3_Spoke2 entitled: National Center for gene therapy and drugs based on RNA Technology. Months: 36; role: Co-PI; € 130.000 + € 112.234 RTDA
- PRIN 2022: "Unraveling the circadian control of receptor tyrosine kinases: signaling cross talk with non-kinase receptors and interfering microRNAs". Months: 24; role: PI of Research Unit; € 62.000
- PRIN 2022_PNRR: "Perinuclear actin cap regulation by YAP1 and membrane receptors: implications for cancer understanding at molecular level and therapy responsiveness". Months: 24; role: PI of Research Unit; € 46.394
- Project Ateneo 2023 - Sapienza University of Rome entitled: Evaluation of proteotoxic stress to overcome resistance of AML cells to Venetoclax by using 2D and 3D coculture cellular models. Months: 12; role: PI; € 10.602
- Project Ateneo 2024 - Sapienza University of Rome entitled: Role of the mechanotransduction network in the crosstalk between BMSCs and AML cells. Months: 12; role: PI; € 30.380
- HORIZON-MSCA-2023-COFUND-01 (2025-2030) - Proposal title: MAP-ID: Multilevel approaches to understanding chronic inflammatory diseases. - Project 7 - Role: Academic Partner

PATENTS

- Patent number N.102020000001732, 1st February 2022, title: Composition for use in the treatment of leukemia - Sapienza University of Rome – Inventor

ORGANIZATION AND PARTICIPATION AT SCIENTIFIC CONGRESSES



- Invited speaker. “Role of microRNAs and the RISC complex in pathological hematopoiesis” at the THEME DAY on “MicroRNAs: from the state of the art to therapeutic perspectives”, at the Medical Academy of Rome, Rome, 29 March 2012;
- Selected speaker. “Argonaute 2 contribution to the gene expression program driving human myeloid differentiation of Acute Myeloid Leukemia cells” at the 6th International Symposium on Acute Promyelocytic Leukemia, Rome, 29 September - 2 October 2013;
- Invited speaker. Master lecture “MicroRNA pathways as new functional axes in cell fate determination” at the 67° National Congress of the Italian Society of Anatomy and Histology (SIAI), Brescia, 20-22 September 2013;
- Organization and Chairmen of the symposium “Non-coding RNA” during the XVI Congress of the Italian Foundation for Life Sciences (FISV), Rome 20-23 September 2016;
- Selected speaker. “Contribution of miR-145-5p/Ago2 complex to the regulation of epithelial-mesenchymal transition” during the 37° Congress of the Italian Society of Histochemistry (SII), Taormina, 20-22 September 2017;
- Selected speaker. “Argonaute 2 drives miR-145-dependent gene expression program influencing epithelial to mesenchymal transition in breast cancer cells” during the 72° National Congress of the Italian Society of Anatomy and Histology (SIAI), Parma, 20-22 September 2018;
- Organization and Chairmen of the THEME DAY entitled “Epitranscriptomics: a new revolution in the world of RNA with a role in cellular development and neoplastic transformation” at the Medical Academy of Rome, Rome, 23 May 2019;
- Invited speaker. “N6-Methyladenosine (m6A): from basic mechanism to functional output in pathological cell fate determination”, EpiBesançon Congress 2022 - Besançon - France, 10-11 May 2022;
- Member of the Scientific Committee for the XXXIX Congress of the Italian Society of Histochemistry, Vulcano Island, 14-16 June 2023;
- Chairmen of “Young investigations” section - XXIV Congress CDIE "Human Histology and Embryology: Cutting-Edge Research and Educational Practices", Naples, 20-21 February 2025;
- Member of the Scientific Committee for the 17° International Congress of Histochemistry and Cytochemistry, Rimini, 27-30 August 2025;
- Chairmen of the “Nutraceuticals: new pathways for cellular health beyond foods” section - 17° International Congress of Histochemistry and Cytochemistry, Rimini, 27-30 August 2025;

ABSTRACTS IN NATIONAL AND INTERNATIONAL CONGRESSES (2019-2025)

1. Masciarelli S., Capuano E., Liccardo F., Ottone T., Lo-Coco F., **Fazi F.** Development of a combination strategy based on ER and oxidative stress in Acute Myeloid Leukemia. Gordon Research Conference on Stress Proteins in Growth, Development and Disease, Lucca, June 2019;
2. Masciarelli S., Capuano E., Liccardo F., Sniegocka M., Ottone T., Lo-Coco F., **Fazi F.** Retinoic acid synergizes with the unfolded protein response and oxidative stress to induce AML cell death. ABCD Congress, Bologna, September 2019;
3. Tito C., Ganci F., Sacconi A., Gallo E., De Angelis L., Pulito C., Iaiza A., Masciarelli S., Cacciotti J., Petrozza V., Pescarmona E., Venuta F., Marino M., Blandino G., **Fazi F.** Long non-coding RNAs contribution to cell migration and lipid metabolism in Thymic Epithelial Tumor Cells. 73° Congresso Nazionale SIAI, Napoli, September 2019;
4. Tito C., Ganci F., Sacconi A., Gallo E., De Angelis L., Pulito C., Iaiza A., Masciarelli S., Cacciotti J., Petrozza V., Pescarmona E., Venuta F., Marino M., Blandino G., **Fazi F.** Long non-coding RNAs contribution to cell migration and lipid metabolism in Thymic Epithelial Tumor Cells. The Biennial Congress of ABCD Bologna, September 2019;
5. Masciarelli S., Capuano E., Liccardo F., Sniegocka M., Ottone T., Lo-Coco F., **Fazi F.** Retinoic acid synergizes with the unfolded protein response and oxidative stress to induce AML cell death. 5th International Conference Acute Myeloid Leukemia “Molecular and Translational”: Advances in Biology and Treatment, Estoril, (Portugal), October 2019;
6. Tito C., Benedetti A., Genovese I., Masciarelli S., Giamogante F., Barazzuol L., Miglietta S., Familiari G., Petrozza V., Lauriola M., Tamagnone L., Ilari A., Cali T., Colotti G., **Fazi F.** Regulation of the



- EGFR endocytic route by an Endoplasmic Reticulum-related Ca²⁺ binding protein. 74° Congresso Nazionale SIAI, Bologna, September 2021;
7. Iaiza A, Tito C, Ianniello Z, Masciarelli S, De Angelis L, Aversa S, Diso D, Anile M, Petrozza V, Venuta F, Fatica A, **Fazi F**. METTL3 contribution to cell proliferation in Thymic Epithelial Tumor Cells. EMBO virtual Workshop, Online Conference, February 2022;
 8. Liccardo F., Śniegocka M., Ottone T., Divona M., Miglietta S., Familiari G., Petrozza V., Tamagnone L., Voso M.T., Masciarelli S., **Fazi F**. Retinoic acid synergizes with proteotoxic stress to induce cell death of FLT3-ITD+ acute myeloid leukemia progenitor cells. Scientific session of Collegio Docenti di Istologia ed Embriologia, Rome, February 2022;
 9. Masciarelli S., Liccardo F., Śniegocka M., Divona M., Travaglini S., Ottone T., Miglietta S., Familiari G., Petrozza V., Tamagnone L., Voso M.T., **Fazi F**. Use of the combination of retinoic acid and proteotoxic stress as a therapeutic strategy to target FLT3-ITD+ myeloid leukemic cells. XVII Congresso Nazionale SIES 2022, Rome, March 2022;
 10. Liccardo F., Śniegocka M., Ottone T., Divona M., Miglietta S., Familiari G., Petrozza V., Tamagnone L., Voso M.T., Masciarelli S., **Fazi F**. Retinoic acid synergizes with proteotoxic stress to induce cell death of FLT3-ITD+ acute myeloid leukemia progenitor cells. National PhD Meeting, Salerno, March 2022;
 11. Iaiza A, Goeman F, Cortile C, Fanciulli M, Masciarelli S, Fatica A, Fontemaggi G, **Fazi F**. Role of m⁶A-dependent circRNAs during stress response in acute myeloid leukemia progenitor cells. SIBBM 2022, The RNA World 3.0, Rome, June 2022;
 12. Iaiza A, Tito C, Ianniello Z, Ganci F, Laquintana V, Gallo E, Sacconi A, Masciarelli S, De Angelis L, Aversa S, Diso D, Anile M, Petrozza V, Facciolo F, Melis E, Pescarmona E, Venuta F, Marino M, Blandino G, Fontemaggi G, Fatica A, **Fazi F**. METTL3-dependent MALAT1 delocalization drives c-Myc induction in thymic epithelial tumors. 16th International Congress of Histochemistry and Cytochemistry (ICHC), Prague, August 2022;
 13. Masciarelli S., Liccardo F., Śniegocka M., Romano V., Ottone T., Travaglini S., Miglietta S., Nottola S. A., Familiari G., Petrozza V., Tamagnone L., Voso M.T., **Fazi F**. Bone marrow stromal cells support acute myeloid leukemia stem cells enhancing antioxidant defenses. 75° Congresso Nazionale SIAI, Padua, September 2022;
 14. Tito C., Genovese I., Giamogante F., Miglietta S., Cristiano L., Masciarelli S., Nottola S.A., Familiari G., Petrozza V., Lauriola M, Tamagnone L., Cali T., Colotti G, **Fazi F**. Sorcin promotes cell proliferation, migration and invasion in cancer by regulating the EGF-dependent EGFR signaling pathways. 75° Congresso Nazionale SIAI, Padua September 2022;
 15. Liccardo F., Śniegocka M., Ottone T., Divona M., Miglietta S., Familiari G., Petrozza V., Tamagnone L., Voso M.T., Masciarelli S. and **Fazi F**. Retinoic acid and proteotoxic stress induce myeloid leukemia progenitors cell death overcoming the protective effects of the bone marrow niche mesenchymal cells. ESH Congress - The Haematological Tumor Microenvironment and its Therapeutic Targeting, London, February 2023;
 16. Liccardo F., Śniegocka M., Tito C., Iaiza A., Ottone T., Divona M., Mattei M., Cicconi R., Miglietta S., Familiari G., Nottola S.A., Petrozza V., Tamagnone L., Voso M.T., Masciarelli S. and **Fazi F**. Retinoic acid and proteotoxic stress induce acute myeloid leukemia cell death, overcoming the protective effects of the bone marrow niche stromal cells. Scientific session of Collegio Docenti di Istologia, Rome, February 2023;
 17. Tito C, Genovese I, Giamogante F, Benedetti A, Miglietta S, Barazzuol L, Cristiano L, Carolini S, De Angelis L, Masciarelli S, Nottola SA, Familiari G, Petrozza V, Lauriola M, Tamagnone L, Ilari A, Cali T, Colotti G, **Fazi F**. Sorcin promotes migration in cancer and regulates the EGF-dependent EGFR signaling pathways. Scientific session of Collegio Docenti di Istologia, Rome, February 2023;
 18. Iaiza A, Goeman F, Cortile C, Corleone G, Liccardo F, Mazzanti G, Cesaro B, Fanciulli M, Masciarelli S, Fatica A, Fontemaggi G, **Fazi F**. Role of m⁶A-dependent circRNAs during stress response in acute myeloid leukemia progenitor cells. Scientific session of Collegio Docenti di Istologia, Rome, February 2023;
 19. Iaiza A, Incocciati A, Masciarelli S, Palombarini F, Liccardo F, Tito C, Boffi A, Macone A, Bonamore A, **Fazi F**. Innovative chimeric archaeal-human ferritin delivery system in myeloid leukemia cell lines. XXXIX Congress of SII, Vulcano Island, June 2023;

20. Iaiza A, Tito C., Mazzanti G., Cesaro B., Liccardo F., Goeman F., Cortile C., Corleone G., Fanciulli M., Masciarelli S., Fatica A., Fontemaggi G., **Fazi F.** Role of m⁶A-dependent circRNAs during stress response in acute myeloid leukemia progenitor cells. ABCD Congress, Paestum, September 2023;
21. Liccardo F., Śniegocka M., Ottone T., Divona M., Miglietta S., Familiari G., Petrozza V., Tamagnone L., Voso M.T., Masciarelli S. and **Fazi F.** Retinoic acid and proteotoxic stress induce AML cell death overcoming bone marrow stromal cell protection. ABCD Congress, Paestum, September 2023;
22. Liccardo F., Śniegocka M., Tito C., Iaiza A., Ottone T., Divona M., Mattei M., Cicconi R., Miglietta S., Familiari G., Nottola S.A., Petrozza V., Tamagnone L., Voso M.T., Masciarelli S., **Fazi F.** Crosstalk between bone marrow stromal cells and AML cells is critical for the response to proteotoxic stress-induced AML cell death. 76° Congresso Nazionale SIAI, Modena, September 2023;
23. Liccardo F., Śniegocka M., Ottone T., Divona M., Miglietta S., Familiari G., Petrozza V., Tamagnone L., Voso M.T., Masciarelli S. and **Fazi F.** Retinoic acid and proteotoxic stress induce AML cell death overcoming bone marrow stromal cell protection. ESH Congress - Acute Myeloid Leukemia "Molecular and Translational": Advances in Biology and Treatment, Estoril, October 2023;
24. Liccardo F., Mazzanti G., Marcotulli M., Cidonio G., Ottone T., Travaglini S., Divona M., Voso M.T., Masciarelli S. and **Fazi F.** From in vitro to in vivo and back: unraveling treatment responsiveness of AML cells upon the interaction with bone marrow niche mesenchymal cells. 18° Congresso Nazionale SIES, Florence, March 2024;
25. Liccardo F., Mazzanti G., Marcotulli M., Cidonio G., Ottone T., Travaglini S., Divona M., Voso MT, Masciarelli Silvia and **Fazi F.** New strategies to improve the response of AML cells to treatments by overcoming the protective effect of bone marrow stromal cells. 35th Pezcoller Symposium, Trento. June 2024;
26. Liccardo F., Mazzanti G., Marcotulli M., Cidonio G., Ottone T., Divona M., Voso MT, Masciarelli S, **Fazi F.** Understanding the crosstalk between AML cells and bone marrow stromal cells to overcome treatment resistance. 77° Congresso Nazionale SIAI, Genova, September 2024;
27. Tito C, De Angelis L, Iaiza A, Abbinantefina A, Masciarelli S, Colotti G, **Fazi F.** The involvement of Sorcin in the alveolarization process during lung development. XXIV Congress CDIE Naples, February 2025;
28. Mazzanti G, Liccardo F, Marcotulli M, Iafrate L, Cidonio G, Ottone T, Travaglini S, Voso MT, Masciarelli S, **Fazi F.** New strategies to improve the response of AML cells to treatments by overcoming the protective effect of bone marrow stromal cells. ESH Congress - The Haematological Tumor Microenvironment and its Therapeutic Targeting, London, February 2025;
29. Tito C, De Angelis L, Iaiza A, Abbinantefina A, Petrozza V, Masciarelli S, Colotti G, **Fazi F.** Sorcin regulates alveolarization and airway tissue remodeling during lung morphogenesis. 78° Congresso Nazionale SIAI, Ravenna, September 2025;
30. Coiro M, Iaiza A, Abbinantefina AP, Mazzanti G, Tito C, Fatica A, Masciarelli S, **Fazi F.** Uncovering the role of circHIPK3 in cellular stress adaptation in TNBC. ABCD Congress, Paestum, September 2025 - EMBO poster prize;

SCIENTIFIC ACHIEVEMENTS

Number of Publications	107 Scopus
Hirsch (H) index	40 Scopus
Normalized H index*	1,53 Scopus
Total Citations	6.552 Scopus
Average number of citations per publication	61,2 Scopus
Total Impact Factor calculated in relation to the year of publication	718,5 Journal Citation Report- JCR
Average Impact Factor per publication calculated in relation to the year of publication	6,71 Journal Citation Report- JCR

*H index divided by the academic seniority.

PUBLICATIONS (Peer-Reviewed and Editorial)

1. Ferritin-based nanocarrier delivery of KRAS G12D inhibitor in pancreatic adenocarcinoma cells and patient-derived organoids: A novel approach for treatment. Abbinantefina AP, Tito C, Masciarelli S, Tisci G, Ceci P, Falvo E, Ruta V, Panzeri V, Sette C, **Fazi F**, Colotti G. *Protein Sci.* 2026 Feb;35(2):e70444. doi: 10.1002/pro.70444. PMID: 41556452. **Cit: 0** by Scopus; **IF: 5,2** and **Rank: Q1** by JCR
2. Sorcin regulates alveolarization and airway tissue remodeling during lung morphogenesis. Tito C, De Angelis L, Iaiza A, Abbinantefina AP, Benedetti A, Mazzanti G, Petrozza V, Lauriola M, Tamagnone L, Ilari A, Masciarelli S, Colotti G, **Fazi F**. *Cell Mol Life Sci.* 2025 Oct 28;82(1):367. doi: 10.1007/s00018-025-05870-y. PMID: 41148307. **Cit: 0** by Scopus; **IF: 6,2** and **Rank: Q1** by JCR
3. Polysialylation of Glioblastoma Cells Is Regulated by Autophagy Under Nutrient Deprivation. Scibetta S, Pepe G, Iuliano M, Iaiza A, Palazzo E, Quadri M, Boltje TJ, **Fazi F**, Petrozza V, Di Bartolomeo S, Di Pardo A, Calogero A, Mangino G, Maglione V, Rosa P. *Int J Mol Sci.* 2025 Aug 6;26(15):7625. doi: 10.3390/ijms26157625. PMID: 40806752. **Cit: 2** by Scopus; **IF: 4,9** and **Rank: Q1** by JCR
4. Goblet cell breakdown: transcriptomics reveals *Acinetobacter baumannii* early and robust inflammatory response in differentiated human bronchial epithelial cells. Scribano D, Tito C, Tagueha AD, Pasqua M, De Angelis L, **Fazi F**, Limongi D, De Angelis M, Nencioni L, Palamara AT, Ambrosi C. *J Biomed Sci.* 2025 Jul 9;32(1):63. doi: 10.1186/s12929-025-01159-1. PMID: 40634947. **Cit: 1** by Scopus; **IF: 12,1** and **Rank: Q1** by JCR
5. MicroRNA-mediated PTEN downregulation as a novel non-genetic mechanism of acquired resistance to PI3K α inhibitors of head & neck squamous cell carcinoma. Pulito C, Vaccarella S, Palcau AC, Ganci F, Brandi R, Frasca C, Sacconi A, Canu V, Benedetti A, De Pascale V, Donzelli S, Fisch AS, Mancio V, Covello R, Pimpinelli F, Morrone A, **Fazi F**, Pellini R, Muti P, Meens J, Karamboulas C, Nichols AC, Strano S, Klinghammer K, Tinhofer I, Ailles L, Fontemaggi G, Blandino G. *Drug Resist Updat.* 2025 Jul;81:101251. doi: 10.1016/j.drup.2025.101251. PMID: 40382983. **Cit: 2** by Scopus; **IF: 21,7** and **Rank: Q1** by JCR
6. Deregulation and delocalization of the m6A demethylase FTO and aberrant m6A levels in ccRCC tissue samples. Tito C, Rosa P, Sorrentino V, Magnanti M, Innocenti A, Zaccaria L, Costantini M, Iaiza A, Bastianelli D, Masciarelli S, Pastore AL, Simone G, Carbone A, Fatica A, Petrozza V, **Fazi F**. *Histol Histopathol.* 2025 Nov;40(11):1747-1756. doi: 10.14670/HH-18-909. PMID: 40176746. **Cit: 0** by Scopus; **IF: 2** and **Rank: Q4** by JCR
7. EGF receptor in organ development, tissue homeostasis and regeneration. Tito C, Masciarelli S, Colotti G, **Fazi F**. *J Biomed Sci.* 2025 Feb 19;32(1):24. doi: 10.1186/s12929-025-01119-9. PMID: 39966897. Review. **Cit: 48** by Scopus; **IF: 12,1** and **Rank: Q1** by JCR
8. Off-Target Inhibition of Human Dihydroorotate Dehydrogenase (hDHODH) Highlights Challenges in the Development of Fat Mass and Obesity-Associated Protein (FTO) Inhibitors. Tarullo M, Fernandez Rodriguez G, Iaiza A, Venezia S, Maccone A, Incocciati A, Masciarelli S, Marchioni M, Giorgis M, Lolli ML, Fornaseri F, Proietti L, Grebien F, Rosignoli S, Paiardini A, Rotili D, Mai A, Bochenkova E, Caflisch A, **Fazi F**, Fatica A. *ACS Pharmacol Transl Sci.* 2024 Nov 26;7(12):4096-4111. doi: 10.1021/acsptsci.4c00533. eCollection 2024 Dec 13. PMID: 39698280. **Cit: 4** by Scopus; **IF: 3,7** and **Rank: Q2** by JCR
9. High WTAP expression level as a promising biomarker for poor prognosis in colorectal cancer: a pilot study. Relucenti M, Tito C, Mercantini P, Pillozzi E, Barbaranelli C, Cristiano L, Savarese D, Bastianelli D, **Fazi F**, Petrozza V, Li X, Chen R, Miglietta S, Familiari G. *Eur J Histochem.* 2024 Dec 16;68(4):4145. doi: 10.4081/ejh.2024.4145. PMID: 39679554. **Cit: 1** by Scopus; **IF: 2,1** and **Rank: Q4** by JCR
10. Ferritin-based disruptor nanoparticles: A novel strategy to enhance LDL cholesterol clearance via multivalent inhibition of PCSK9-LDL receptor interaction. Incocciati A, Cappelletti C, Masciarelli S, Liccardo F, Piacentini R, Giorgi A, Bertuccini L, De Berardis B, **Fazi F**, Boffi A, Bonamore A, Maccone A. *Protein Sci.*

2024 Sep;33(9):e5111. doi: 10.1002/pro.5111. PMID: 39150051. **Cit: 4** by Scopus; **IF: 5,2** and **Rank: Q1** by JCR

11. WTAP and m6A-modified circRNAs modulation during stress response in acute myeloid leukemia progenitor cells. Iaiza A, Mazzanti G, Goeman F, Cesaro B, Cortile C, Corleone G, Tito C, Liccardo F, De Angelis L, Petrozza V, Masciarelli S, Blandino G, Fanciulli M, Fatica A, Fontemaggi G, **Fazi F**. *Cell Mol Life Sci*. 2024 Jun 23;81(1):276. doi: 10.1007/s00018-024-05299-9. PMID: 38909325. **Cit: 8** by Scopus; **IF: 6,2** and **Rank: Q1** by JCR
12. The lncRNAMALAT1-WTAP axis: a novel layer of EMT regulation in hypoxic triple-negative breast cancer. Dragonetti M, Turco C, Benedetti A, Goeman F, Forcato M, Scalera S, Allegretti M, Esposito G, **Fazi F**, Blandino G, Donzelli S, Fontemaggi G. *Cell Death Discov*. 2024 Jun 11;10(1):276. doi: 10.1038/s41420-024-02058-4. PMID: 38862471. **Cit: 9** by Scopus; **IF: 7** and **Rank: Q1** by JCR
13. Modulation of cAMP/cGMP signaling as prevention of congenital heart defects in Pde2A deficient embryos: a matter of oxidative stress. Cardarelli S, Biglietto M, Orsini T, Fustaino V, Monaco L, de Oliveira do Rêgo AG, Liccardo F, Masciarelli S, **Fazi F**, Naro F, De Angelis L, Pellegrini M. *Cell Death Dis*. 2024 Feb 23;15(2):169. doi: 10.1038/s41419-024-06549-1. PMID: 38395995. **Cit: 3** by Scopus; **IF: 9,6** and **Rank: Q1** by JCR
14. ID4-dependent secretion of VEGFA enhances the invasion capability of breast cancer cells and activates YAP/TAZ via integrin β 3-VEGFR2 interaction. Benedetti A, Turco C, Gallo E, Daralioi T, Sacconi A, Pulito C, Donzelli S, Tito C, Dragonetti M, Perracchio L, Blandino G, **Fazi F**, Fontemaggi G. *Cell Death Dis*. 2024 Feb 6;15(2):113. doi: 10.1038/s41419-024-06491-2. PMID: 38321003. **Cit: 9** by Scopus; **IF: 9,6** and **Rank: Q1** by JCR
15. Enhancing sensitivity of triple-negative breast cancer to DNA-damaging therapy through chemical inhibition of the m6A methyltransferase METTL3. Cesaro B, Iaiza A, Piscopo F, Tarullo M, Cesari E, Rotili D, Mai A, Diana A, Londero M, Del Giacco L, Masetti R, Di Leone A, Naro C, Masciarelli S, Fontemaggi G, Sette C, **Fazi F**, Fatica A. *Cancer Commun (Lond)*. 2024 Feb;44(2):282-286. doi: 10.1002/cac2.12509. PMID: 38102821. **Cit: 13** by Scopus; **IF: 24,9** and **Rank: Q1** by JCR
16. Retinoic acid and proteotoxic stress induce AML cell death overcoming stromal cell protection. Liccardo F, Śniegocka M, Tito C, Iaiza A, Ottone T, Divona M, Travaglini S, Mattei M, Cicconi R, Miglietta S, Familiari G, Nottola SA, Petrozza V, Tamagnone L, Voso MT, Masciarelli S, **Fazi F**. *J Exp Clin Cancer Res*. 2023 Aug 31;42(1):223. doi: 10.1186/s13046-023-02793-z. PMID: 37653435. **Cit: 9** by Scopus; **IF: 11,4** and **Rank: Q1** by JCR
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Prof. Francesco Fazi