

CURRICULUM VITAE

DR. SCOTLANDI KATIA

PERSONAL INFORMATION

Surname/Name **SCOTLANDI KATIA**
Office Address Laboratory of Experimental Oncology, Istituto Ortopedico Rizzoli
via di Barbiano 1/10, 40136 Bologna, Italy
Ph. +39 051 6366 760 Fax +39 051 6366 763
E-mail katia.scotlandi@ior.it
Nationality Italian
Date of birth 15/09/1962
Sex Female
Marital Status Married, mother of one son and one daughter

EDUCATION AND TRAINING

- **Degree in Biological Sciences**, high honors (July 18, 1986). Experimental thesis: "In vivo selection and characterization of variants with different metastatic ability from a mouse breast adenocarcinoma model" (Supervisor Prof. G. Prodi, Co-supervisor Dr. C. De Giovanni).
- Certificate of qualification to the profession of biologist obtained in 1987.
- **Inclusion in the National Order of Biologists** (special list) from January 29, 1988. Order number: E-012441.
- **National Scientific Qualification, Ministry of Education, University and Research:**
 - ✓ **2014-2023: Associate Professor** in Molecular Biology (05/E2); Applied Biology (05/F1); Histology (05/H2); General and Clinical Pathology (06/A2); Sciences of Health Professions and Applied Medical Technologies (06/N1).
 - ✓ **2014-2023: Full Professor** in Applied Biology (05/F1); General and Clinical Pathology (06/A2).
 - ✓ **2015-2024: Full Professor** in Molecular Biology (05/E2).
 - ✓ **2017-2026: Full Professor** in Sciences of Health Professions and Applied Medical Technologies (06/N1).
- **Suitability to teach Molecular Biology as Associate and Full Professor**, University of Trento.

PROFESSIONAL EXPERIENCE AND INSTITUTIONAL RESPONSIBILITIES

- 1984-1985 Intern student, Institute of Cancerology, Bologna University Medical School (A.Y. 1983/84 e 1984/85).
- 1987-1988 Post-graduate training, Institute of Cancerology, Bologna University Medical School (15/09/1986-10/03/1987) and Institute of Hematology "L. e A. Seragnoli", Bologna University Medical School (March 15, 1987 - September 10, 1988).
- 1987-1989 **Research fellowship issued by the Italian Association for Cancer Research (AIRC)** at the Institute of Cancerology, Bologna University Medical School (1987-1989). Research project: "Differentiative features of rhabdomyosarcoma cells".
- 1990-1991 Frequent visitor, Istituti Ortopedici Rizzoli, Laboratory of Experimental Oncology, Bologna.
- 1991-1994 **Research contract** at Istituto Ortopedico Rizzoli, Laboratory of Experimental Oncology, Bologna (May 1, 1991 - January 31, 1994). Research project: "Role of biologic response modifiers in osteosarcoma" (Resp. Dr. P. Picci), funded by the Italian Ministry of Health.
- 1994 **Permanent employment as Biologist Collaborator**, Istituto Ortopedico Rizzoli, Laboratory of Experimental Oncology, Bologna.
- 1994 **First Level Biologist Doctor**, Istituto Ortopedico Rizzoli, Laboratory of Experimental Oncology, Bologna.

- 1997 **Fellowship for abroad “Luisa Santunione” by the Italian Foundation for Cancer Research (FIRC)**: visit to University of Illinois, Chicago, April 11- May 10, 1997.
- 1999-2004 **Management post with Functional Module “Growth factors and receptors”**, Istituto Ortopedico Rizzoli, Laboratory of Experimental Oncology, Bologna.
- 2001-today **Adjunct Professor**, Faculty of Mathematical, Physical and Natural Sciences, University of Bologna.
- 2004-2008 **Management post with Organisational Module “Growth factors and receptors”**, Istituto Ortopedico Rizzoli, Laboratory of Experimental Oncology, Bologna.
- 2008-today **Chief of CRS-Specialised Reference Centre “Development of Biomolecular Therapies”**, Istituto Ortopedico Rizzoli, Laboratory of Experimental Oncology, Bologna.
- 2016-2019 **Secretary of the “Working Group on sarcomas” - National Oncology Network, Alliance Against Cancer (Alleanza Contro il Cancro-ACC)**.
- 2018-today **Co-Responsibility for Oncology Research Line**, Istituto Ortopedico Rizzoli, Bologna.
- 2018-today **ex-officio Member of the Management Board of the Istituto Ortopedico Rizzoli**, Bologna.
- 2019-2022 **Past President of the Italian Association of Cell Cultures (AICC)**.
- From 2019 -2021 **Acting Director of the Laboratory of Experimental Oncology**, Istituto Ortopedico Rizzoli, Bologna.
- 2021- today **Head of the Laboratory of Experimental Oncology**, Istituto Ortopedico Rizzoli, Bologna.

TEACHING POSITIONS

- **Adjunct Professor** in "Functional Genetics and Genomics" - Master Degree in Industrial Molecular Biotechnologies, School of Pharmacy, Biotechnology and Sport Science, ex Faculty of Mathematical, Physical and Natural Sciences, University of Bologna, from AY 2017-2018 – today.
- **Adjunct Professor** in "Advanced Molecular Biology 2" - Master Degree in Industrial Molecular Biotechnologies, School of Pharmacy, Biotechnology and Sport Science, ex Faculty of Mathematical, Physical and Natural Sciences, University of Bologna, from AY 2007-2008 to AY 2016-2017.
- **Adjunct Professor** in "Advanced DNA Technologies and Recombinant Proteins"-Master Degree in Industrial Molecular Biotechnologies, Faculty of Mathematical, Physical and Natural Sciences, University of Bologna, from AY 2004-2005 to AY 2007-2008.
- **Adjunct Professor** in "Molecular Biology IV", Course of study in Industrial Biotechnology, Faculty of Mathematical, Physical and Natural Sciences, University of Bologna, from AY 2001-2002 to AY 2003-2004.
- **Supervisor** in several theses in Advanced Molecular Biology, Advanced DNA Technologies and Recombinant Proteins, Molecular Biology IV, University of Bologna, from AY 2002-2003.
- **Assistant Supervisor in PhD thesis and several degree thesis** in Pharmaceutical Biotechnologies, Pathology, Genetics, Biochemistry, Recombinant Technology, Faculty of Mathematical, Physical and Natural Sciences, Pharmacy, Medicine, University of Bologna, from AY 1998-1999 to AY 2011-2012.
- **Assistant Supervisor** in a postgraduate thesis in Toxicology, University of Bologna, AY 1998-1999.

AWARDS

- **Oswald Van der Veken 2011 Award**”, Bruxelles, November 7, 2011.
- **Tina Anselmi Award**”, Bologna, March 6, 2019.

ROLES IN ASSOCIATIONS AND SCIENTIFIC JOURNALS

- **Founding Member of the Italian Sarcoma Group (ISG)**, 1997.
- **Member of the Scientific Advisory of “Giorgio Prodi” Centre for Cancer Research, University of Bologna**, from 2000 to 2021.

ORGANISATION OF SCIENTIFIC CONGRESSES

- **President of the Italian Association of Cell Cultures (AICC)**, 2015-2018.
 - **Member of the “Italian Top Women Scientists” Committee**, from 2017.
 - **Past President of the Italian Association of Cell Cultures (AICC)**, 2019-2022.
 - **Member of the Advisory Scientific Committee of the International CCN Society (ICNS)**, from 2020.
 - **Member of the Connective Tissue Oncology Society (CTOS), Board of Directors** (2014-2016).
 - **Member of the Italian Society of Cancerology (SIC), Board of Directors** (2010-2013; 2017-2019).
 - **Member of the Editorial Board of “Cancer Research (CR)”** from 2016.
 - **Member of the Editorial Board “Journal Cell Communication and Signaling”** from 2014.
 - **Member of the scientific Committee of “M. Campanacci” Association.**
 - **Member of the European and American Associations for Cancer Research (EACR-AACR).**
 - **Member of the International Society for Insulin-like Growth Factor Research (IGF).**
 - **Member of the International Bone & Mineral Society (IBMS).**
 - **Member of the Italian Society of Cancerology (SIC).**
 - **Member of the International Extracellular Vesicles (ISEV).**
 - **Member of the Italian Sarcoma Group (ISG), Board of Directors.**
 - **Member of the Association of Cell Biology and Differentiation (ABCD).**
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- **Member of the Organizing Committee of the International meeting “2nd Osteosarcoma Research Conference”, Istituto Ortopedico Rizzoli, Bologna, November 19-22, 1996.**
 - **Main organizer** and Member of Scientific Committee of “Course of Molecular Cytogenetics and Microarrays: methodological aspects and applications”, Istituto Ortopedico Rizzoli, Bologna, June 28-30, 2004.
 - **Main Organizer** and Member of the Scientific Committee of the meeting “The cell: from transcriptional and post-transcriptional regulation to gene therapy”, Istituto Ortopedico Rizzoli, Bologna, November 26-28, 2008.
 - **Member of the Scientific Committee of the National Congress of the Italian Society of Cancerology, Rome, October 4-7, 2010.**
 - **Member of the Scientific Committee of the Congress of the Italian Association of Cell Cultures, Milan, November 23-25, 2010.**
 - **Member of the Scientific Committee of the National Congress of the Italian Society of Cancerology, Turin, October 19-22, 2011.**
 - **Member of the Scientific Committee of the Congress of the Italian Association of Cell Cultures, Rome, November 21-23, 2011.**
 - **Main Organizer**, Coordinator and Member of the Scientific Committee of the National Congress of the Italian Cancer Society, Istituto Ortopedico Rizzoli, Bologna, October 1-4, 2012.
 - **Member of the Scientific Committee of the Congress of the Italian Association of Cell Cultures, Palermo, November 21-23, 2012.**
 - **Organizer** of the course “Bioinformatic approaches for the analysis of expression array”, Istituto Ortopedico Rizzoli, Bologna, December 17-18-20, 2012.
 - **Member of the Scientific Committee of the National Congress of the Italian Society of Cancerology, Catanzaro, September 23-26, 2013.**
 - **Member of the Scientific Committee of the meeting “Obesity, diabetes and cancer: the role of insulin and Insulin-like Growth Factors”, October 3-5, 2013.**
 - **Member of the Scientific Committee of the Congress of the Italian Association of Cell Cultures, Brescia, November 20-21, 2013.**
 - **Organizer** of the course “Communicating science”, Istituto Ortopedico Rizzoli, Bologna, June 26, 2014.
 - **Organizer** and member of the Scientific Committee of the Congress of the Italian Association of

Cell Cultures, Verona, November 12-14, 2014.

- **Organizer** of the course “Communicating science”, Istituto Ortopedico Rizzoli, Bologna, May 26, 2015; Istituto Superiore di Sanità, Rome, June 9, 2015; School of Medicine of the “Second University of Naples”, Naples, June 19, 2015.
- **Organizer** of the course “Bioinformatic approaches for the analysis of gene expression”, Istituto Ortopedico Rizzoli, Bologna, September 16-18, 2015.
- Member of the Scientific Committee of the Congress of the Italian Association of Cell Cultures, Naples, November 16-17, 2015.
- **Organizer** of the course “Communicating science”, Magna Graecia University, Campus S. Venuta, Germaneto, Catanzaro, May 27, 2016.
- **Organizer** and member of the Scientific Committee of the Italian Association of Cell Cultures meeting, “Exosomes in pathological conditions: new insights for biomarker development and therapeutic applications”, Istituto Superiore di Sanità, Rome, June 9-10, 2016.
- **Organizer** of the course “Communicating science”, Borgo Roma Hospital, Verona, June 24, 2016.
- Member of the Scientific Committee of the Congress of the Italian Association of Cell Cultures, L’Aquila, November 23-25, 2016.
- **Organizer** of the course “The figure of the scientist in the contemporaneity: journey into the social and media image”, Istituto Ortopedico Rizzoli, Bologna, May 11, 2017.
- **Organizer** of the Meeting “1st Working group Sarcoma Biology Retreat - Alleanza contro il cancro (ACC)”, Istituto Ortopedico Rizzoli, Bologna, June 5-6, 2017.
- **Organizer** of the course “The future of cancer therapy: genome editing era”, Magna Graecia University, Campus S. Venuta, Germaneto, Catanzaro, June 8-9, 2017.
- Member of the Scientific Committee of EUROSARC Workshop “The Biology of Sarcoma”, Bertinoro, May 31-June 2, 2018.
- Main **organizer**, coordinator and member of the Scientific Committee of the 31st Annual meeting of the Italian Association of Cell Cultures, Istituto Ortopedico Rizzoli, Bologna, November 27-28, 2018.
- **Organizer and Past President** of the Scientific Committee of the Congress of the Italian Association of Cell Cultures - “Therapeutic Nanoproducts: from Biology to Innovative Technology”, Rome, June 19-20, 2019.
- **Organizer and Past President** of the Scientific Committee of the Congress of the Italian Association of Cell Cultures “From Single Gene Analysis to Single Cell Profiling: A new Era for Genomic Medicine”, Catanzaro, October 1-2, 2019.
- **Organizer and Past President** of the Scientific Committee of the Virtual Meeting of the Italian Association of Cell Cultures “AICC Day 2020”, October 15, 2020.
- **Organizer and Past President** of the Scientific Committee of the Virtual Congress of the III international AICC Exosome Meeting “Cell to cell delivery in cancer and therapy: a matter of carriers and message”, June 7-8, 2021.
- **Organizer and Past President** of the Scientific Committee of the 33rd AICC International Annual Meeting on Cancer Metabolism: “Dissecting metabolic circuitries in cancer cells and microenvironment: how to learn from bad lessons to develop new therapeutic opportunities”, Torino, November 22-24, 2021.

RESEARCH ACTIVITIES

1. PUBLICATIONS

Author of **231 scientific publications** on international journals and **8 chapters on specialized books** (Scopus ID: 7006825570; Orcid ID: 0000-0001-6114-9499; Research ID: J-9009-2016). Complete List of Published Work in My Bibliography: <https://www.ncbi.nlm.nih.gov/pubmed/?term=scotlandi+k>

H-index Scopus: 52.

H-index Google Scholar: 62.

2. RESPONSIBILITY IN RESEARCH PROJECTS

INTERNATIONAL PROJECTS – Responsible of an Operative Unit-Coordination

▪ European Union

- **Responsible of an Operative Unit** for the Project “PROTHETS, prognosis and therapeutic targets in the Ewing family of tumors”, coordinated by Dr. P. Picci (2005-2008).
- **Responsible of an Operative Unit** for the Project “European Network to Promote Research into Uncommon Cancers in Adults and Children: Pathology, Biology and Genetics of Bone Tumors (EuroBoNeT)” coordinated by Prof. Dr. P. Hoogendoorn (Leiden, NL), (2006-2010).
- **Coordinator of an Operative Unit** for the project ERA-NET (TRASCAN)-PROVABES “PROspective Validation of Biomarkers in Ewing Sarcoma for personalised translational medicine” coordinated by Prof. U. Dirksen (Muenster, Germany) (IOR resp. Dr. P. Picci), (2013-2016).
- **Responsible of an Operative Unit** for the Project TRANSCAN-2: Targeting Of Resistance in PEDiatric Oncology, coordinated by Prof. SM. Pfister (Heidelberg, Germany), (2016-2018).
- **Responsible of an Operative Unit** for the Project “IMI2: ITCC Pediatric Preclinical Poc Platform (ITCC-P4)”, coordinated by Prof. SM. Pfister (Heidelberg, Germania), (2017-2021).
- **Responsible of an Operative Unit** for the Project ERA-NET/TRANSCAN: “Harnessing BRCAness as therapeutic target in HR pediatric solid tumors (BRCAAddict)”, (2019-2022).
- **Responsible of an Operative Unit** for the Project HORIZON 2020 “Sarcoma as model to improve diagnosis and clinical care of rare tumours through a European and Latin American multidisciplinary network (SELNET)”, coordinated by Dr. J. M. Broto, (Seville, Spain), (2019-2022).
- **Responsible of an Operative Unit** for the Project “Validation of Actionable Genomic Aberrations in a Paediatric Oncology Network for Doctorate Students (VAGABOND)”, coordinated by Dr. J. Molenaar (Utrecht, Paesi Bassi), (2020-2024).
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▪ Private Associations

- **Co-Responsible of an Operative Unit** for the Research Project Liddy Shriver Association “CD99 engagement and apoptosis in Ewing’s sarcoma: role of mitochondria and mitochondrial DNA mutations”, (Resp. Prof. M. Rugolo), (2010-2012).
- **Responsible of an Operative Unit** for the Research Project Liddy Shriver “Molecular Mechanisms and Pharmacologic Inhibition of Bone Sarcoma Metastasis”, coordinated by Prof. David Loeb (2012-2014).
- **Responsible of an Operative Unit** for the Research Project Alan B. Slifka Foundation “Development of CD99 inhibitors as novel therapeutics for Ewing Sarcoma”, coordinated by Prof. Aykut Üren, Georgetown University (2016-2017).

NATIONAL PROJECTS – Responsible of an Operative Unit-Coordination

▪ Italian Association for Cancer Research

- “Scientific basis for innovative treatment strategies in Ewing’s sarcoma family of tumors” (2000-2003).
- “Targeted therapies in Ewing’s sarcoma: providing new clues and tools” (2004-2006).
- “Molecular therapy of bone sarcomas: the targeting of genes required for osteoblastogenesis as a new strategy” (2007-2010).
- “From molecular to differentiation therapy of bone sarcomas: focus on IGF-IR and CD99 to construct the bridge” (2010-2013).
- “Targeting CD99, a master regulator of bone sarcoma metastasis and malignancy: molecular mechanisms and pharmacological inhibition” (2014-2017).
- “CD99 at the interface between bone sarcoma and the immune microenvironment: an opportunity for therapy” (2017-2019).
- “Accelerating biomarkers and targeted therapy development in metastatic Ewing sarcomas: focus on tumor cell plasticity” (2020-2025).

▪ Italian Ministry of Health

- **Responsible of an Operative Unit** for the Project “Development of target-specific therapies in osteosarcoma and Ewing’s sarcoma”, (Coordinator Dr. P. Picci), (2002-2004).
- **Responsible of an Operative Unit** for the Project “Genetic and biomolecular profiles of prognosis and prediction of drug response in musculoskeletal sarcomas”, (Coordinator Dr. M. Serra), (2003-2006).
- **Responsible of an Operative Unit** and Coordinator for the Project “Genes regulating osteoblastogenesis as new therapeutic targets for bone tumors” (2008-2011).
- **Responsible of an Operative Unit** for the Project “Validation of targeted therapies and related biomarkers to predict tumor response”, (Coordinator Dr. R. De Maria), (2008-2010).
- **Responsible of an Operative Unit** for the Project “Novel therapy design for tumors resistant to conventional chemotherapy and for rare tumors”, (Coordinator Dr. C. Spadafora), (2008-2010).
- **Responsible of an Operative Unit** for the Project “Development of new therapies in musculoskeletal tumors: immunotherapy and targeted therapies in comparison”, (Coordinator Dr. P. Picci), (2007-2008).
- **Responsible of an Operative Unit** for the Research Project “Molecular therapy in pediatric sarcomas and leucemia against IGF-IR system: new drugs, best drug-drug interactions, mechanisms of resistance and indicators of efficacy” (2010-2013).
- **Responsible of an Operative Unit** for the Research Project “Insulin resistance and cancer: strategies of intervention involving the insulin receptor isoform A”, (Coordinator Dr. R. Malaguarnera), (2012-2015).
- **Responsible of an Operative Unit** for the Research Project “IGF2BPs (insulin-like growth factor 2 binding proteins) as novel biomarker of Ewing sarcoma progression: diagnostic and therapeutic implications”, (2018-2021).

▪ Italian Ministry of Education, University and Research

- **Responsible of an Operative Unit** for the Project FIRB “Advanced technological platforms for the development of new biomarkers and molecular targets in nanotechnology vectors for diagnosis and therapy of human cancers” (Coordinator Prof. A. Colao), (2012-2016).

▪ Emilia Romagna Region

- **Responsible of an Operative Unit** for the Feasibility Study “Development in GMP of a human antibody directed against CD99 membrane for the treatment of Ewing’s sarcoma” (2014-2015).

▪ Istituto Ortopedico Rizzoli

- “Study of genomic alterations in musculoskeletal sarcomas” (1994-96).
- “Role of autocrine circuits in musculoskeletal sarcomas” (1997). Project 97100.

COLLABORATOR in Operative Units:

From 1990 collaborator in 66 research projects funded by AIRC, Italian Ministry of Health, Ministry of Education, University and Research, CNR, Emilia Romagna, European Union.

- **2000:** Dutch Cancer Society.
- **2004:** Regional Grant AIRC (Italian Association for Cancer Research).
- **2005-2008:** Member of the Scientific Committee of “Regione Emilia Romagna” for Italian Association for Cancer Research (AIRC).
- **2008:** Liddy Shriver Sarcoma Initiative.
- **2009:** Ministry of Science, Culture and Sport, State of Israel.
- **2011-2014 and 2018-today:** Member of the Scientific Evaluation Committee of the Translational Cancer Research for French Ministry of Health and French National Cancer Institute-INCa and President of the Committee in June and November 2014.
- **2011-today:** Member of the Scientific Evaluation Committee of AIRC-FIRC (Italian Association and Foundation for Cancer Research) Fellowships.
- **2012:** Member of reviewers for the evaluation of research products (VQR 2004-2010) on behalf of ANVUR (National Evaluation Agency of the University System and Research).

3. SCIENTIFIC REVIEWER OF PROJECTS

4. SCIENTIFIC REVIEWER OF JOURNALS

- **2012-2017:** The French Society for Children Cancer and Leukemia; Swiss Cancer League Grants; Liddy Shriver Sarcoma Initiative; Dutch Cancer Society; AACR Basic Cancer Research; United States-Israel Binational Science Foundation; Alan B. Slifka Foundation; Cancer Research UK; The French Society for Children Cancer and Leukemia (SFCE).
- **2015: Member of the Scientific Evaluation Committee of HCERES-High Council for Evaluation of Research and Higher Education**, Nantes, France.
- **2015-2017: Member of the Scientific Evaluation Committee of the International Clinical Cancer Research (CIR2C)**, French National Cancer Institute-INCa, France.
- **2019-2020:** Project reviewer for “la Caixa” Banking Foundation.
- **2020:** Project reviewer for “La science pour la Santé” (INSERM).
- **2020:** Project reviewer for Swiss National Science Foundation (SNF).

- Expert Reviews; Sarcoma; Cancer Discovery; The American Journal of Pathology; Cancer Research; Clinical Cancer Research; The International Journal of Biochemistry and Cell Biology; The International Journal of Cancer; The European Journal of Cancer; Blood; Cancer letters; FEBS letter; Molecular Cancer Therapy; Oncogene; Plos One; The Journal of Clinical Investigation; Cell Death & Disease; Oncotarget; The European Journal of Immunology; Molecular Cancer Research; Nature.

5. LECTURES

- **1999-** Thomas Jefferson University, Philadelphia, US, June 24, 1999. Title: The role of the IGF-IR system in Ewing’s sarcoma cells.
- **2000-** Hospital University Centre, INSERM, Unit 343, Nice, France, February 18, 2000.
- **2000-** Martin Luther University, Halle, Germany, September 15-17, 2000. Title: First Symposium-IGFs and Cancer.
- **2002-** Roche Diagnostics GmbH, Penzberg, Germany, July 17, 2002. Title: *In vitro* and *in vivo* studies with anti IGFR-I antibody.
- **2005-** 2nd International Symposium on Cancer “New Trends in Cancer for the 21 Century” at the foundation “Ciudad de las Artes y las Ciencias”, Valencia, Spain, November 12-15, 2005.
- **2007-** 1st International Workshop on Insulin and Cancer at Schloss Mickeln, Duesseldorf, Germany, October 27-28, 2007. Title: Experimental *in vivo* studies on the inhibition of the mitogenic effects of IGF-I. Is adaptation to insulin effects possible?
- **2008-** 2nd International Workshop on Insulin and Cancer at Schloss Mickeln, Duesseldorf, Germany, October 24-26, 2008. Title: IGF-IR targeting in pediatric tumors.
- **2009-** Scandinavian Sarcoma Meeting, Oslo, Norway, May 5-7, 2009. Title: Receptor Tyrosine Kinases and cell signaling pathways in sarcomas.
- **2009-** Novartis, Basel, Switzerland, October 1-2, 2009. Title: New targeting approaches for bone sarcomas.
- **2009-** Novartis, Basel, Switzerland, October 2, 2009. Title: Targeted therapies in sarcomas.
- **2010-** University of Catanzaro (Faculty of Medicine), Italy, September 22, 2010. Title: Development of molecular therapy for sarcomas: IGF-I receptor as a potential target.
- **2011-** Tel Aviv University, Israel, invitation by Prof. Haim Werner (Human Molecular Genetics and Biochemistry), Sackler School of Medicine, April 14, 2011. Title: Molecular mechanisms of regulation of IGF system.
- **2011-** University of Palermo, Italy, “Target therapies in sarcomas: role of IGF-IR and molecular mechanisms responsible of anti-IGF-IR drug resistance”, May 25, 2011.
- **2011-** ECCO-European Multidisciplinary Cancer Congress, “Integrating basic & translational science, surgery, radiotherapy, medical oncology, advocacy & care”, Stockholm, Sweden, September 24-26, 2011. Title: Biology of IGF/IGFR Pathway in sarcoma.
- **2011-** Celebration of National day for Cancer Research, Quirinale, Rome, Italy, November 11, 2011.
- **2011-** ENCCA Ewing’s Sarcoma Biology Subnetwork Meeting, Vienna, Austria, December 19-21,

2011. Title: Therapies targeting mechanisms of Ewing's sarcoma pathogenesis.
- **2012-** ASCO Annual Meeting, Chicago, US, June 1-5, 2012. Title: Why IGF signaling inhibition is not as easy as it should be.
 - **2012-** ECTS Training Workshop "Cancer and bone-A guide for in vivo experiments", L'Aquila, Italy, 12 September, 2012. Title: Primary tumors and bone.
 - **2013-** "Gained in Translation-Genetic and pharmacologic inhibitors of cancer: new scenarios and open questions", Department of Infrastructure, Research and Statistics, Reggio Emilia, Italy, September 19, 2013. Title: Why IGF-1R inhibition is not as simple as it should be?
 - **2013-** "Obesity, diabetes and cancer: the role of insulin and Insulin-like Growth Factors", Taormina, Italy, October 5, 2013. Title: The IGF-IR as a secondary target in chemo-resistant patients.
 - **2013-** Rett Nearburg International Ewing's Sarcoma Symposium V, San Diego, November 6-9, 2013. Title: CD99 as a therapeutic target.
 - **2014-** Updates from AACR Annual Meeting: News in Oncohematology after AACR 2014, Bologna, Italy, June 5, 2014. Title: TP53 - mevalonate pathway.
 - **2014-** EUSTM- European Society for Translational Medicine, Vienna, Austria, September 22-23, 2014. Title: A newly developed diabody against CD99 delivers a lethal signal through p53 pathway reactivation in Ewing's sarcoma cells and synergistically acts with doxorubicin.
 - **2014-** Celebration of National day for Cancer Research, Quirinale, Rome, Italy, November 6, 2014.
 - **2014-** AICC- Italian Association of Cell Cultures Meeting, Verona, Italy, November 12-14, 2014. Title: "Role of miR34a as indicator of prognosis in sarcomas".
 - **2014-** Bone tumors V Course, "Solid tumors in children", Padua, Italy, November 19, 2014. Title: "Biology of bone tumors".
 - **2014-** Euro Ewing Consortium - EEC meeting, London, December 3-4, 2014. Title: "miRNAs profiling and their prognostic value".
 - **2015-** Gordon Research Conference - IGF & Insulin System in Physiology & Disease, Ventura, US, March 8-13, 2015. Title: "ERG Transcriptional Factor Activity in Prostate and Ewing Sarcoma and Effect on IGF-1R Expression".
 - **2015-** XIX Annual Meeting of the Italian Sarcoma Group, Florence, Italy, April 10-11, 2015. Title: "Innovations in terms of sarcoma genesis".
 - **2015-** International Course "Novel mechanisms of signal transduction involved in cancer chemoresistance: Focus on IGF signaling integration and cross-talk", Catanzaro, Italy, May 6-8, 2015. Title: "IGF system in prostate cancer and in Ewing sarcoma: new therapeutical implications".
 - **2015-** Workshop on prostate programmes, Milan, Italy, September 7, 2015. Title: "ERG transcriptional factor activity in Prostate and Ewing Sarcoma: effect on IGF-1R expression".
 - **2015-** 3rd European Bone Sarcoma Networking Meeting - Joint Workshop of EU Bone Sarcoma Translational Research Networks, Vienna, September 24, 2015. Title: "Trabectedin and IGF1R".
 - **2015-** Celebration of National day for Cancer Research, Quirinale, Rome, Italy, October 29, 2015.
 - **2016-** PROVABES/EORTC/DKTK/EEC meeting, Essen, Germany, September 8-9, 2016. Title: "Prognostic value of non-coding RNA and RNA-binding proteins in Ewing sarcoma: focus on miR34a and IGF2BP3".
 - **2016-** ACC Working Groups - Kickoff meeting, Rome, Italy, November 17, 2016. Title: "Sarcoma Working Group".
 - **2016-** National Congress of the Italian Association of cell Cultures (AICC), L'Aquila, Italy, November 23-25, 2016. Title: "Modulation of CD99 in Ewing Sarcoma: therapeutic prospective".
 - **2017-** XX Annual meeting "Italian Sarcoma Group", Naples, Italy, May 23-25, 2017. Title: "ACC Genomics: Working group Sarcomi".
 - **2017-** 1st Sheffield Workshop of Translational Research in Bone Sarcoma, Sheffield, UK, June 19, 2017. Title: "The onco-janous function of CD99 in Ewing sarcoma and osteosarcoma: how to exploit it for therapy".
 - **2017-** 4th European Bone Sarcoma Networking, London, UK, June 21, 2017. Title: "Trabectedin plus anti-PDL1 antibody in murine preclinical models".

- **2017**- 2nd International Symposia “Faris D. Virani Ewing Sarcoma”, Houston, USA, September 27-29, 2017.
- **2017**- 2nd meeting of Alliance Against Cancer (ACC) - “New Technologies and strategies to fight cancer”, Rome, October 3-5, 2017.
- **2017**- “The patient with sarcoma. Between health policies and innovation in rare tumours”, Udine, Italy, October 6, 2017. Title: “From the laboratory to the clinic: therapeutic innovation in Ewing’s sarcoma”.
- **2017**- Celebration of National day for Cancer Research, Quirinale, Rome, Italy, October 23, 2017.
- **2018**- Ewing Spring Meeting, University Hospital, Essen, Germany, March 12-13, 2018.
- **2018**- 43rd National Congress of AIEOP - Italian Association of Paediatric Ematology Oncology, Bologna, Italy, May 27-29, 2018. Title: “Biology of Ewing Sarcoma”.
- **2018**- 3rd Annual meeting of Alliance Against Cancer (ACC) - “Working Group Sarcoma”, Milan, Italy, October 29-31, 2018. Title: “Updates from the Secretary”.
- **2018**- Euro Ewing Consortium - EEC meeting, London, UK, December 11-12, 2018.
- **2019**- Meeting of Alliance Against Cancer (ACC) – Title: “Report of the activities of WG sarcomas 2017-2019”, Rome, November 20-22, 2019.
- **2020**- 1st Rett Nearburg Ewing Sarcoma Focus Meeting, Vienna, Austria, January 20-21, 2020.
- **2021**- Meeting of the Italian Sarcoma Group (ISG), online, October 28, 2021. Title: Chondrosarcomas with focus on chondrosarcomamesenchymal.
- **2021**- “100 years Ewing Sarcoma: Learnings from the past, Challenges for the future”, online, December 10-11, 2021. Title: Small is powerful – exos and miRNAs.

TRAINING EVENTS

1. PARTICIPATION TO INTERNATIONAL GROUPS OF STUDY

- 1997: Member of the Group “Analysis of P-Glycoprotein expression in osteosarcoma” of the “Italian-Scandinavian treatment and research protocol for high-grade osteosarcoma of the extremities (ISG/SSG I and ISG/SSG II)”.
- 1997: Member of the Group “Micrometastatic disease in patients with osteosarcoma” of the “Italian-Scandinavian treatment and research protocol for high-grade osteosarcoma of the extremities (ISG/SSG I and ISG/SSG II)”.
- 2016: Member of the ITCC-Innovative Therapies for Children with Cancer International Network.

2. ATTENDANCE AT TRAINING COURSES FOR EXECUTIVES OF NATIONAL HEALTH SERVICE

- **Course on work safety, emergency and fire prevention**, Prevention and Protection Service, Istituto Ortopedico Rizzoli, Bologna, May-November, 2000.
- **Strategic Plan and Principles of Budget**, Bologna, May 24, 2007. 3 E.C.M. credits.
- **IOR Collaborators Register-Training of Consultation and Evaluation**, Bologna, January 25, 2008.
- **Preservation and improvement of Rizzoli Orthopedic Institute’s Quality Management System according to ISO 9001:2008 Model**, Istituto Ortopedico Rizzoli, Bologna, March 10, 2009. 15 E.C.M. credits.
- **General Plan of Emergency and Evacuation**, Bologna, November 23, 2009.
- **Preservation and improvement of SGQ according to ISO 9001:2008 Model**, Istituto Ortopedico Rizzoli, Bologna, January 1, 2010. 15 E.C.M. credits.
- **2012087 Establishment of a tissue bank, serums and nucleic acids obtained from musculoskeletal tumors**, Istituto Ortopedico Rizzoli, Bologna, May 2, 2012. 8 E.C.M. credits.
- **Course on work safety**, Istituto Ortopedico Rizzoli, Bologna, November 28, 2013.
- **2016020 IOR Strategic Plan: Focus Group for identifying corporate vision**, Istituto Ortopedico Rizzoli, Bologna, February 12-16, 2016. 12 E.C.M. credits.
- **2016192 Ethical dilemmas and conflict of interest: what kind of behaviours are suitable?**, Istituto Ortopedico Rizzoli, Bologna, May 16, 2016. 4 E.C.M. credits.
- **Course on work safety**, Istituto Ortopedico Rizzoli, Bologna, December, 2017.

3. INTERNATIONAL TRAINING EVENTS

- Course “**The new CCNL of health management: legal and economic aspects**”, Istituto Ortopedico Rizzoli, Bologna, January 13, 2020.
- Course “**Biohazard, with reference to flu disease and preventive measures to limit its spread in the workplace**”, Istituto Ortopedico Rizzoli, Bologna, January, 2020.
- Course “**Change management for the governance of complex systems**”, Istituto Ortopedico Rizzoli, Bologna, September, 2020.
- Virtual Course “**Smart Working VeLa**”, 15th July, 2020.
- Course “**Managerial training course for managers of a complex structure**”, Istituto Ortopedico Rizzoli, Bologna, October 2020- April 2021.
- **3rd International Translational Course in Rare cancers (ITCRC) and 5th Course of the Multidisciplinary Osteoncology School (MOS)**, Bologna 17th-18th December 2020

- **AACR (American Association for Cancer Research) - Special conference**: “Cancer, Proteases and Tumor Microenvironment”, Bonita Springs, US, November 29-December 5, 2005.
- **AACR - Special Conference**: “The role of non-coding RNA in cancer”, Cambridge, US, October 31-November 4, 2007.
- **Gordon Research Conference**: “Insulin-like Growth Factors In Physiology & Disease”, Ventura, US, March 22-27, 2009.
- **Gordon Research Conference**: “Insulin-like Growth Factors In Physiology & Disease”, Ventura, US, February 27-March 4, 2011.
- **3rd Meeting “European Calcified Tissue Society and International Bone and Mineral Society”**, Athens, Greece, May 7-11, 2011 (21 international credits).
- **AACR - Special Conference 2012**, Chicago, US, March 31-April 4, 2012 (**39 E.C.M.**).
- **Gordon Research Conference**: “Insulin-like Growth Factors In Physiology & Disease”, Ventura, US, March 17-22, 2013.
- **AACR - Annual Meeting 2013**, Washington DC, US, April 6-10, 2013 (**40.75 E.C.M.**).
- **AACR - Special Conference**, San Diego, US, November 3-6, 2013.
- **AACR - Annual Meeting 2014**, San Diego, US, April 5-9, 2014 (**38.25 E.C.M.**).
- **Gordon Research Conference**: “IGF and Insulin System in Physiology & Disease”, Ventura, US, March 8-13, 2015.
- **AACR - Annual Meeting 2015**, Philadelphia, US, April 18-22, 2015 (**42.25 E.C.M.**).
- **AACR - Annual Meeting 2016**, New Orleans, US, April 16-20, 2016 (**39.5 E.C.M.**).
- **Gordon Research Conference**: “IGF and Insulin System in Physiology & Disease”, Ventura, US, March 12-17, 2017.
- **AACR - Annual Meeting 2017**, Washington DC, US, April 1-5, 2017 (**36.25 E.C.M.**).
- **AACR - Annual Meeting 2018**, Chicago, US, April 14-18, 2018.
- **AACR - Annual Meeting 2019**, Atlanta, US, March 26-April 3, 2019.
- **AACR - Annual Virtual Meeting 2021**, 10-15 April, 17-21 May, 2021.
- **ITCC Solid Tumor Committee Scientific day**, June 18, 2021.
- **The First Vagabond Summer School**, Utrecht, September 6 – 7, 2021.

4. RESEARCH ACTIVITIES AT INTERNATIONAL INSTITUTES

- The University of Illinois at Chicago, College of Medicine, Department of Genetics (Prof. Igor B. Roninson), April-May 1997. Research Project: Multidrug resistance and in situ RT-PCR.
- The University of Illinois at Chicago, College of Medicine, Department of Genetics (Prof. Igor B. Roninson), November 8-9, 1998. Research Project: Mutant forms of MDR-1 gene
- The Thomas Jefferson University, Kimmel Cancer Institute (Prof. R. Baserga), June 23-26, 1999. Research Project: Role of IGF-IR system in Ewing’s sarcoma.
- Hospital University Centre, INSERM, Unit 343, (Prof. A. Bernard), September 17-22, 2001. Research Project: Role of CD99 in the modulation of adhesive properties of Ewing’s sarcoma cells.

PATENTS

- Department of Pathology, University of Valencia (Spain), June 14-28, 2009. Research Project: Research activity related to the Eurobonet European Project and the network of excellence.
- "Screening method". The application number is PCT/FI2007/050707. We have decided not to continue the patenting I.E. not to fail the national patent application.
- "Single-chain variable fragment (ScFv) able to recognize and bind CD99 human protein". Italy: Number 0001397621, issued on March 8, 2013; Europe: Number 2499163, issued on December 11, 2014; US: Number 8,710,194 issued on April 29, 2014.
- "Treatment of Ewing's sarcoma through the administration of exosomes released by Ewing's sarcoma silenced cells for CD99 protein". Deposited on November 3, 2017.

"In compliance with the GDPR and the Italian Legislative Decree no. 196 dated 30/06/2003, I hereby authorize you to use and process my personal details contained in this document".

Bologna, 20.12.2021

Dr. Katia Scottandi

