# VERNIERI CLAUDIO

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Fiscal code: VRNCLD84L28F839W

## EDUCATION AND TRAINING

- November 2025- April 2026: Advanced course in "Management innovation in Breast Units: from operation management to AI" – SDA Bocconi (Milan, Italy)
- December 2019: Board Certification in Medical Oncology (score: 70/70 cum laude) from the University of Milan. Title of the thesis: "Safety, feasibility and biological effects of cyclic fasting-mimicking diet (FMD) in cancer patients".
- December 2014 – December 2019: Residency in Medical Oncology at Fondazione IRCCS Istituto Nazionale dei Tumori di Milano (Milan, Italy).
- December 2014 – December 2019: Joint Post-Doc at Fondazione IRCCS Istituto Nazionale dei Tumori di Milano (Milan, Italy) and IFOM ETS, the AIRC Institute of Molecular Oncology (Milan, Italy).
- April 2014 – November 2014: post-doc fellow at IFOM (Milan, Italy).
- January 2010 – March 2014: PhD in Molecular Medicine at the SEMM (European School of Molecular Oncology) in IFOM (Milan, Italy). Title of the thesis: "Cdk1 kinase counteracts $PP2A^{Cdc55}$ phosphatase to induce APC/C phosphorylation and adaptation to the Spindle Assembly Checkpoint (SAC) in budding yeast".
- July 2009 – December 2009: Resident in Clinical Radiotherapy at Policlinico Universitario "Federico II" (Naples, Italy).
- July 2008: M.D. degree in Medicine received from the University Federico II of Naples, Italy, with the final mark of 110/110 cum laude and honors by the Degree Committee (Naples, Italy). Title of the thesis: "Study of the effects induced by the association of a selective inhibitor of farnesyltransferase (tipifarnib) with ionizing radiations in cell lines from squamocellular neoplasms (Kb, Cal-27)".
- September 2002 – July 2008: student of Medicine and Surgery at the University Federico II of Naples.

## CLINICAL AND RESEARCH EXPERIENCE AND RESPONSIBILITIES

***April 2026 – present***

Elected member of the Scientific Committee of Fondazione Bruno Boerci

***January 2026 – present***

Elected member of the Scientific Committee of AIRC, Associazione Italiana per la Ricerca sul Cancro ETS

***October 2024 – present***

Associate Professor at the University of Milan, Milan, Italy

***September 2024 – present***

Member of the Scientific Committee of Psiconcologia.net platform

***December 2023–September 2024***

Assistant Professor at the University of Milan, Milan, Italy

***April 2023– present***

Elected Member of the Scientific Direction Advisory Committee of IFOM ETS, the AIRC Institute of Molecular Oncology, Milan, Italy

***November 2022– November 2024***

Elected Member of the Scientific Committee (CTS) of Accademia "Umberto Veronesi"

***January 2022 – present***

Referring specialist at the Molecular Tumor Board (MTB) of Fondazione IRCCS Istituto Nazionale dei Tumori for the discussion of breast cancer cases

***January 2020 – present***

Principal Investigator at IFOM ETS, the AIRC Institute of Molecular Oncology, as Director of the "Metabolic Reprogramming in Solid Tumors" program

***January 2020 – present***

Medical Oncologist at the Breast Unit and at the Medical Oncology Department of Fondazione IRCCS Istituto Nazionale dei Tumori, responsible for the design, coordination and conduction of academic phase II clinical trials focused on breast cancer and cancer metabolism in the role of PI or co-PI (NCT05763992 NCT03340935, NCT03454282, NCT03709147, NCT04248998, NCT04001725, NCT05703997), as well as PI multicenter real-world studies aimed at designing AI-based algorithms aiming at the personalization of treatment sequences in patients with metastatic breast carcinomas (NCT07030569; NCT06805812). Role of local PI in several Pharma-sponsored clinical trials investigating innovative drugs in the context of phase II/III clinical trials in patients with early stage or advanced breast cancer

***January 2020 – present***

Member of the Faculty board for the PhD program at the SEMM (European School of Molecular Medicine)

***January 2019 – December 2022***

Elected Member of the Scientific Directorate of Fondazione IRCCS Istituto Nazionale dei Tumori di Milano.

***February 2018 – present***

Member of the Cancer Core Europe (CCE) Network and local responsible for CCE Clinical Trials and translational research activities (Basket-of-Basket Clinical Trial; DART project funded by H2020).

***December 2014 – December 2019***

Resident in Medical Oncology at the Medical Oncology Department of Fondazione IRCCS Istituto Nazionale Tumori di Milano under the supervision of Prof. Filippo de Braud. I was involved in: 1) designing and conducting independent clinical trials to target cancer metabolism, including prospective studies on calorie restriction and metformin (NCT03340935, NCT03454282, NCT03709147, NCT04248998, NCT04001725); 2) clinical management of patients with limited-stage and advanced breast cancer, including treatment with chemotherapy, endocrine therapy and molecular targeted treatments; 3) participation in sponsored clinical trials in breast cancer patients, including studies with immunotherapy, cyclin-dependent kinase 4/6 inhibitors, PI3K inhibitors and new immune conjugates; 4) supervision, with the role of mentor and thesis co-advisor, of students in Medicine in projects focused on the study of lipid metabolism in HER2+ BC and pancreatic neuroendocrine tumors (pNETs); 5) coordination of clinical and translational research activities of residents in Medical Oncology at Fondazione IRCCS Istituto Nazionale dei Tumori di Milano; 6) collaboration or conduction of translational research project focused on breast cancer, lung cancer, renal cancer and pNETs.

***December 2014 – December 2019***

Joint IFOM-INT post-Doc, working on research projects focused on cancer metabolism and tumor resistance to taxanes, in collaboration with the groups directed by Prof. Marco Foiani, Prof. Valter Longo, Dr. Andrea Ciliberto and Dr. Stefano Casola.

***April 2014 – November 2014***
Post-doctoral fellowship in the "Quantitative Biology of Cell Division" Laboratory directed by Dr. Andrea Ciliberto.
***January 2010 – March 2014***
PhD student at the SEMM (European School of Molecular Medicine) at the F.I.R.C. Institute of Molecular Oncology (IFOM) in Milan, under the supervision of Dr. Andrea Ciliberto.
*Main project*: The balance between APC subunit phosphorylation by Cdk1/CycB, and dephosphorylation by $PP2A^{Cdc55}$ in the adaptation to the spindle assembly checkpoint (SAC) in budding yeast cells. *Secondary projects*: collaborations with Prof. Andrea Musacchio's group (IEO, Milan) to study the role of Aurora B in the SAC of mammalian cells and with Prof. Ruggero Pardi in San Raffaele (Milan, Italy) on models of cellular migration in the Medaka fish model.
***September 2006 – July 2008***
Experimental Master degree thesis on the synergistic effects of the Farnesyl-transferase inhibitor Tipifarnib and ionizing radiations on head and neck cancer cell lines.

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**SKILLS AND COMPETENCES**

- Leadership experience: Group leader at IFOM (director of an independent research group currently involving 11 scientists: Dr. Giulia Salvadori, Dr. Mattia Rediti, Dr. Francesca Ligorio, Dr. Marzia Santamaria, Dr. Beatrice Cantarelli, Dr. Maria Elena Steidl, Dr. Keagile Bati, Dr. Leonardo Provenzano, Dr. Lihao Lin, Dr. Anastasiya Shmahala, Dr. Astghik Stepanyan) and leader at INT (principal investigator of clinical research programs on cancer metabolism, real world trials and AI in breast cancer involving 8 medical oncologists and nutritionists: Dr. Francesca Ligorio, Dr. Giovanna Armani, Dr. Leonardo Provenzano, Dr. Flavia Jacobs, Dr. Giuseppe Fotia, Dr. Beatrice Fratini, Dr. Lucrezia Zanenga, Dr. Silvia Paderno; Dr. Ilaria Sugliani).
- Expertise in designing, conducting and coordinating clinical trials in patients with limited-stage and advanced cancers (Clinicaltrials.gov Identifiers: NCT03340935, NCT03454282, NCT03709147, NCT04248998, NCT04001725; NCT06805812).
- Statistics, biostatistics, survival analysis, multivariable analysis, propensity score analysis (R, MATLAB); image processing (Adobe Photoshop, ImageJ).
- Molecular Biology (DNA, RNA and protein techniques), Biochemistry (western blot analysis, immunoprecipitation assays), Yeast Genetics, Cell Biology (Cell culture, viability assays), Flow Cytometry, Microscopy (Bright field, IF/ICC, live cell microscopy on yeast and mammalian cells), Softwares (Programming in Python and MATLAB; automated image analysis (vHCS Scan, CellProfiler).
- Expertise in conducting bioinformatic analyses of transcriptomic, proteomic and metabolomic data from cell lines, mouse samples and human samples.
- Computational approaches to biological problems through mathematical modeling and analysis (ordinary differential equations; MATLAB and XPP/XPPAUT).
- Clinical independence in managing cancer patients in their global cure process (5-year clinical experience as a Resident in Medical Oncology).
- Clinical independence as a general medical doctor (2-year experience as a medical volunteer assisting patients with basic medical needs at Naga, Milan, Italy).
- Mentorship experience: Mentor of students in Biology (Dr. Valentina Francia) and Medicine (Dr. Pietro Indelicato, Dr. Marta Rossi, Dr. Luca Zambelli). Mentor of PhD students in Nutrition Sciences (Dr. Marzia Sucameli). Mentor of Residents in Medical Oncology at Fondazione IRCCS Istituto Nazionale dei Tumori (Dr. Francesca Ligorio; Dr. Riccardo Lobefaro; Dr. Emma Zattarin; Dr. Giorgia Peverelli; Dr. Leonardo Provenzano; Dr. Caterina Sposetti; Dr. Giuseppe Fotia; Dr. Giacomo Mazzoli). Mentor

of PhD students in Molecular Oncology at IFOM (Dr. Beatrice Cantarelli, UK PhD; Dr. Marzia Santamaria, UK PhD; Dr. Francesca Ligorio, UK PhD; Dr. Keagile Bati; Dr. Beatrice Fratini). Mentor of Post-Doc in Molecular Oncology (Dr. Giulia Salvadori; Dr. Mattia Pavani; Dr. Mattia Rediti; Dr. Maria Elena Steidl).

- Internal supervisor of PhD students: Riccardo Valzelli (mentor: Saverio Minucci at IEO, Istituto Europeo di Oncologia); Bianca Barzaghi (mentor: Giuseppe Testa at IEO, Istituto Europeo di Oncologia)
- Internal examiner of PhD students: Giulia Salvadori (2019) from Valter Longo's group (IFOM)

## GRANTS AND FELLOWSHIPS

- **November 2024: AIRC IG (Investigator grant)** for a project entitled "Targeted amino acid supplementation plus fasting as a novel anticancer strategy against the "big killers": AMINOFAST". PI: C. Vernieri: *Project code: IG 2024 ID 30499.* 1.784.000 euro for 5 years
- **September 2023: ERC Starting Grant** for a project entitled "METABALANCANCER – Setting the optimal balance between metabolite supplementation and deprivation in cancer therapy". PI: C. Vernieri. *Project code: 101117893.* 1.499.250 euro for 5 years
- **October 2022:** internal grant of the Scientific Directorate of Fondazione IRCCS Istituto Nazionale dei Tumori for a project entitled "Leucine supplementation plus fasting-mimicking diet to improve the efficacy of chemoimmunotherapy in triple-negative breast cancer". PI: C. Vernieri; 530.000,00 euros for 3 years
- **June 2020: H2020 Grant (**H2020-SC1-2020-Lump-Sum-RTD**)** within the Cancer Core Europe Consortium for a project entitled "CCE_DART". PI of Work Package 10: Claudio Vernieri. Budget allocated for WP10: 116.264,50 euros for 5 years.
- **November 2019: My First AIRC Grant (MFAG)** for a project entitled "Exploiting inducible metabolic vulnerabilities to improve chemotherapy efficacy in triple negative breast cancer". PI: C. Vernieri. *Project Code: 22977* (499.118,4 euros for 5 years).
- **June 2019:** internal grant of the Scientific Directorate of Fondazione IRCCS Istituto Nazionale dei Tumori for studies focused on triple-negative breast cancer metabolism (205.000,00 euros in 3 years). PI: C. Vernieri.
- **November 2014**: one-year AIRC post-doctoral fellowship. Title of the project: "*Uncovering the role of Cdc20 levels in the heterogeneity of times of adaptation to the Spindle Assembly Checkpoint*".
- **December 2014**: five-year fellowship from the University of Milan as a resident in Medical Oncology.
- **January 2010**: full Doctorial Scholarship Awarded by the University of Milan through competitive admission to the research doctorate course denominated "PhD in Molecular Medicine".
- **July 2009**: five-year fellowship from the University Federico II of Naples as a resident in Radiotherapy.

## COLLABORATOR IN OTHER GRANTS

- AIRC IG: PI Maria Vittoria Dieci (2022-2027). Title of the project: "Immunometabolic profile to personalize immunotherapy for patients with triple negative breast cancer". Collaborator in the conduction of translational immunometabolic evaluations in tumor specimens and plasma samples from patients enrolled in the A-BRAVE trial.

- AIRC IG: PI Giancarlo Pruneri (2022-2027). Title of the project: "UNDERSTAND – Untavelling tumor resistance mechanisms in HR+ aDvanced bReaST cANcer undergoing CDK4/6 inhibitors therapy". Collaborator of the clinical part of the study, and responsible for preclinical experiments (Task 4) to identify metabolic mechanisms of HR+/HER2- BC cell resistance to CDK4/6 inhibitors.
- AIRC IG: PI Tiziana Triulzi (2021-2025). Title of the project: "New potential therapeutic targets for triple negative breast cancer patients from the study of tumor-adipocyte crosstalk".
- AIRC IG: PI Paolo Maiuri (2021-2025). Title of the project: "Mechano-perturbation of the cell nucleus in tumor progression".
- AIRC IG: PI Serenella M. Pupa (2010-2024). Title of the Project: "Targeting fatty acid uptake pathway to revert resistance to anti-HER2 agents in HER2-positive breast cancer".
- AIRC IG: PI Andrea Ciliberto (2018-2023). Title of the Project: "Dissecting the role of Cdc20 in the resistance to antimitotics: from evolution experiments to clinical testing".
- AIRC IG: PI Marina C. Garassino (2017-2021). Title of the Project: "Exploiting LKB1 vulnerability by selective metabolic treatments in advanced Non-Small Cell Lung Cancer"
- AIRC IG: PI Licia Rivoltini (2017-2022). Title of the Project: "Dietary intervention and physical exercise as modulators of cancer immunity in clinical setting".
- Bando per la valorizzazione della Ricerca Istituzionale 2017 della Fondazione IRCCS Istituto Nazionale dei Tumori. PI: Filippo de Braud (2018-2020). Title of the Project: "Metabolic and immunomodulatory effects of high-dose glucocorticoids plus/minus metformin in metastatic cancer patients"
- ERANET TRANSCAN-2 (Joint Translational Call for Proposals 2015). PI: Filippo de Braud (2018-2020). Title of the Project: "Impact of Dietary Intervention on tumour immunity"

**AWARDS**

- **October 2024:** University of Padua Award for Advances in Breast Cancer 2024 Awardee lecture entitled "Boosting Academic Research to Meet the Unmet Needs in Breast Cancer Therapy".
- **March 2023:** MERIT AWARD 2023 for Medicine by the Association "Insieme con Merito" (Milan, Italy)
- **January 2022:** Award by the EACR (European Association for Cancer Research) for the manuscript entitled "Fasting-mimicking diet is safe and reshapes metabolism and antitumor immunity in cancer patients", which was included in the list of "*The EACR's Top 10 Cancer Research Publications*".
- **May 2019:** 2018 Young Researcher Award of the Fondazione IRCCS Istituto Nazionale dei Tumori for results obtained in the field of Translational Cancer Research.
- **February 2018**: Conquer Cancer Foundation Merit Award for a work entitled: "*Prognostic and predictive role of Fumarate Hydratase in metastatic clear cell Renal Cell Carcinoma*" presented at the 2018 Genitourinary Cancers Symposium (ASCO GU 2018).

**PATENTS**

Co-inventor of "Preparazione alimentare a basso contenuto calorico per l'alimentazione di pazienti affetti da neoplasie". Italian Patent released. First deposited Italian patent n. 102019000009954 (24th June 2019). Extension PCT WO 2020/261131 24th June 2020. European Patent n. 20740399 (pending). Canadian patent n. 2,144,217 (pending). USA (pending).

Co-inventor of "Preparazione alimentare per l'alimentazione di pazienti oncologici avente un ridotto apporto calorico". International patent request n. PCT/IT2020/000083. Deposited on 17Th Dec 2020 (pending)

**MEMBERSHIPS OF SCIENTIFIC SOCIETIES**

- ASCO: American Society of Clinical Oncology
- ESMO: European Society of Medical Oncology
- AIOM: Associazione Italiana di Oncologia medica
- AACR: American Association for Cancer research
- CCE: Cancer Core Europe

**REVIEWER FOR THE FOLLOWING SCIENTIFIC JOURNALS:**

- The Lancet Oncology
- Annals of Oncology
- Cancer Discovery
- Cell Reports Medicine
- Nature Communications
- Journal of Thoracic Oncology
- Journal for ImmunoTherapy of Cancer
- Cancer Communications
- Aging Cell
- Clinical Cancer Research
- Cancer Research
- European Journal of Cancer
- Oncogene
- International Journal of Cancer
- Trends in Endocrinology and Metabolism
- NPJ Breast Cancer
- Cancers (Basel)
- Cancer Treatment Reviews
- Scientific Reports
- The Breast
- Oncotarget
- Critical Reviews in Oncology/Hematology
- Therapeutic Advances in Medical Oncology
- Translational Cancer Research
- Annals of Translational Medicine
- Cancer Management and Research
- Tumori Journal

**REVIEWER OF GRANT APPLICATIONS**

- **April-June 2026:** reviewer of 15 preclinical, translational and clinical Investigator grant (IG) proposals for AIRC, Associazione Italiana per la Ricerca sul Cancro ETS
- **March 2022**: Reviewer of a preclinical grant application for the Swiss Cancer Research and Swiss Cancer League

- **February 2022**: Reviewer of a clinical grant application for the Swiss Cancer Research and Swiss Cancer League
- **September 2021**: Reviewer of grant application for the KWF Kankerbestrijding (Dutch Cancer Society)
- **December 2020**: Reviewer of the "Bando per la valorizzazione della ricerca istituzionale in ambito oncologico 2020" for Azienda Unità Sanitaria Locale - IRCCS di Reggio Emilia

## PUBLICATIONS

**1** Toss A, Blondeaux E, Tenedini E, Bonamici L, Graffeo R, Livraghi L, Villarreal-Garza C, Bernstein Molho R, Kwong A, Balmana J, Wildiers H, Agostinetto E, Phillips KA, Pogoda K, Renaud T, Rousset-Jablonski C, Ferrari A, Moore HCF, Peccatori FA, Paluch-Shimon S, Fruscio R, Micheri C, Wong SM, Cui W, **Vernieri C**, Lee MK, De Marchis L, Couch FJ, Del Mastro L, Puglisi F, Meireles PA, Kemp Z, Matikas A, Plichta J, Del Pilar Estevez-Diz M, Di Meglio A, Cichowska-Cwalinska N, Gianni C, Yerushalmi R, Sanchez-Bayona R, Mrinakova B, Matos L, Bianchini G, Caleffi M, Krivokuca A, Abdou Y, Mariño-Mariño M, Parokonnaya A, Okano M, Antone N, Saavedra C, Sonnenblick A, Duchnowska R, Pais HL, Harbeck N, Cortesi L, Delucchi V, De Angelis C, Lambertini M. Association between type and location of germline BRCA1/2 pathogenic or likely pathogenic variants with phenotype and prognosis in young patients with breast cancer: results from an international cohort study. *Ann Oncol.* 2026. PMID: 41260260

**2** Scafetta R, Donato M, Gullotta C, Guarino A, Fiore C, Sisca L, Speziale E, Troiano R, Foderaro S, Venuti F, Vilardi FA, Ricozzi V, Iuliani M, Simonetti S, Cavaliere S, Cortellini A, La Cesa A, Botticelli A, Scagnoli S, Pisegna S, Criscitiello C, Chirco A, D'Alessandro S, Pedersini R, Sposetti C, Tiberi E, D'Auria G, Vergati M, Mazzotta M, Caputo R, Verrazzo A, Rossino MG, Domati F, Piombino C, Di Lisa FS, Filomeno L, Arcuri T, Puce F, Riva F, Palleschi M, Sirico M, Piras M, Stucci LS, De Lisi D, Orsaria P, Grasso A, Ippolito E, Ramella S, Visani L, Bertini N, Bonaparte I, Gori S, Rossi L, Meattini I, Tagliaferri B, Caffo O, Bonomo MV, Portarena I, Irelli A, Cretella E, Porta C, Bianchini G, Fabbri MA, De Giorgi U, Vici P, Toss A, Garrone O, De Laurentiis M, Villa F, Berardi R, Minelli M, Altomare V, **Vernieri C**, Curigliano G, Vincenzi B, Tonini G, Santini D, Pantano F. Comparative real-world Progression Free Survival of CDK4/6 Inhibitors in HR+/HER2- Breast Cancer Patients with Bone Metastases. *Oncologist.* 2026 PMID: 41992832

**3** Scafetta R, Troiano R, Gullotta C, Guarino A, Fiore C, Sisca L, Speziale E, Donato M, Foderaro S, Venuti F, Vilardi FA, Ricozzi V, Iuliani M, Simonetti S, Cavaliere S, Cortellini A, Cesa A, Botticelli A, Scagnoli S, Pisegna S, Criscitiello C, Pedersini R, Sposetti C, Tiberi E, D'Auria G, Vergati M, Mazzotta M, Caputo R, Verrazzo A, Garrone O, Domati F, Piombino C, Lisa FSD, Filomeno L, Arcuri T, Puce F, Riva F, Palleschi M, Sirico M, Piras M, Stucci LS, Lisi D, Orsaria P, Grasso A, Ippolito E, Ramella S, Visani L, Livi L, Gori S, Rossi L, Meattini I, Tagliaferri B, Caffo O, Bonomo MV, Portarena I, Irelli A, Cretella E, Porta C, Bianchini G, Fabbri MA, Giorgi U, Vici P, Toss A, Ruatta F, Laurentiis M, Villa F, Berardi R, Minelli M, Altomare V, **Vernieri C**, Curigliano G, Chirco A, D'Alessandro S, Vincenzi B, Tonini G, Santini D, Pantano F. Denosumab is associated with longer real-world progression-free survival in BRCA1/2-mutated HR+ /HER2 - breast cancer patients with bone metastases receiving CDK4/6 inhibitors: A multicenter Italian study. *Eur J Cancer* 2026. PMID: 41921366

**4** Pisegna S, Scagnoli S, Gentile G, Chiavassa A, Caputo R, De Laurentiis M, Curigliano G, Lambertini M, Pantano F, Orlandi A, Palazzo A, Paris I, **Vernieri C**, Tedesco B, Giampaglia M, Palleschi M, Ballatore Z, Alesini D, D'Auria G, Fabbri MA, Rossi L,

Fiscon G, Marchetti P, Fabi A, Botticelli A. Clinical characteristics and drug-drug interactions in human epidermal growth factor receptor 2-positive breast cancer treated with trastuzumab deruxtecan: real-world data from the DE-REAL study. *Oncologist* 2026. PMID: 41587947.

**5** Mazzoli G, Provenzano L, Dieci MV, Curigliano G, Giuliano M, Botticelli A, Lambertini M, Rizzo G, Pedersini R, Sirico M, La Verde N, Gennari A, Zambelli A, Toss A, Piras M, Giordano M, Tagliaferri B, Generali D, Sartori D, Fotia G, De Monte M, Ligorio F, Jacobs F, Armani G, Zurlo C, Menichetti A, Griguolo G, Faso V, Schianca AC, Munzone E, Marra A, Chiappe E, Scagnoli S, Pisegna S, Capasso C, De Angelis C, Arpino G, Criscitiello C, Guarneri V, Pruneri G, Mariani L; PALMARES-2 study group; **Vernieri C*.** Effectiveness comparison of first-line CDK4/6 inhibitors in patients with hormone-positive HER2-negative advanced breast cancer according to tumor histology: a sub-analysis of the real-world, multicenter, Italian study PALMARES-2. *Breast* 2026. PMID: 41619649

**6** Ligorio F, Provenzano L, Fotia G, Dieci MV, Curigliano G, Giuliano M, Botticelli A, Lambertini M, Rizzo G, Pedersini R, Sirico M, La Verde N, Gennari A, Zambelli A, Toss A, Piras M, Giordano M, Tagliaferri B, Generali D, Sartori D, Mazzoli G, Jacobs F, Armani G, Sposetti C, Zurlo C, Menichetti A, Griguolo G, Faso V, Boldrini L, Munzone E, Marra A, Chiappe E, Scagnoli S, Pisegna S, Capasso C, De Angelis C, Arpino G, Criscitiello C, Guarneri V, Pruneri G, Mariani L; PALMARES-2 study group; **Vernieri C*.** Real-world effectiveness of CDK4/6 inhibitors in older patients with HR+/HER2-advanced breast cancer: a sub-analysis of the multicenter, PALMARES-2 study. *Breast* 2026. PMID: 42048902

**7** Dauccia C, Bruzzone M, Arecco L, Blondeaux E, Sirico M, Gerosa R, Franzoi MA, Brandão M, Perrone L, Pedrazzoli P, Desmedt C, Di Cosimo S, **Vernieri C**, Collet L, Lambertini M, de Azambuja E, Agostinetto E. Association between body mass index and risk of breast cancer according to breast cancer subtypes: A systematic review and meta-analysis. *Breast* 2026. PMID: 41650544

**8** Becherini C, Blondeaux E, Delucchi V, Visani L, Kim HJ, Coussy F, Bernstein-Molho R, Di Meglio A, Hilbers FS, Pogoda K, Kwong A, Agostinetto E, Baten A, Bajpai J, Balmana J, Moore HCF, Partridge AH, Rousset-Jablonski C, Phillips KA, Toss A, Renaud T, Ferrari A, Peccatori FA, Sanchez L, Paluch-Shimon S, Cui W, Wong SM, Ryu JM, Fruscio R, Lee MK, **Vernieri C**, Matikas A, Couch FJ, De Marchis L, Dieci MV, Aguilar-Y-Mendez D, Hwang SE, Rozenblit M, Can Güven D, Mrinakova B, Harbeck N, Sanchez-Bayona R, Boni L, Lambertini M, Meattini I. Radiation therapy management in BRCA1/2 carriers diagnosed with early breast cancer: An international cohort study. *Radiother Oncol* 2026. PMID: 41941938

**9** Martelli G, Barretta F, Muzi C, Listorti C, Pilotta F, Maugeri I, Osio C, Bonfili D, **Vernieri C**, Bianchi G, Pruneri G, Folli S, Scaperrotta G, Baili P, Miceli R, Ferraris C. Sentinel Node Biopsy Alone Versus Sentinel Node Biopsy Plus Axillary Dissection in cT2 cN0/1 Breast Cancer After Neoadjuvant Chemotherapy: 15-Year Results of a Prospective Interventional Study. *Ann Surg Oncol.* 2025. PMID: 41251914

**10** Mosconi P, Folli S, Miceli R, Scrudato S, Gennaro M, Tinè G, De Santis MC, Ferraris C, Martelli G, Di Carlo I, Maugeri I, Arata A, Carnevale MG, Listorti C, Agresti R, Borreani C, **Vernieri C**, Pruneri G, Baili P, Appierto V, Di Cosimo S, Apolone G. Health-related quality of life and fear of recurrence after early breast cancer treatment: Results from a cross-sectional survey. *Breast 2025*. PMID: 41270536.

**11** Zattarin E, Marra A, Palazzo A, Griguolo G, **Vernieri C**, Etessami J, Pontolillo L, Landa G, Daneri A, De Monte M, Cuoghi Costantini R, Tenedini E, Ponzoni O, Razeti MG,

Sposetti C, Barbieri E, Manni M, Caggia F, Cortesi L, Curigliano G, Bria E, Dominici M, Guarneri V, Lambertini M, Toss A. *NPJ Breast Cancer 2025.* PMID: 41390667

**12** Toss A, Blondeaux E, Tenedini E, Bonamici L, Graffeo R, Livraghi L, Villarreal-Garza C, Molho RB, Kwong A, Balmana J, Wildiers H, Agostinetto E, Phillips KA, Pogoda K, Renaud T, Rousset-Jablonski C, Ferrari A, Moore HCF, Peccatori FA, Paluch-Shimon S, Fruscio R, Micheri C, Wong SM, Cui W, **Vernieri C**, Lee M, De Marchis L, Couch FJ, Del Mastro L, Puglisi F, Meireles PA, Kemp Z, Matikas A, Plichta J, Del Pilar Estevez-Diz M, Di Meglio A, Cichowska-Cwalinska N, Gianni C, Yerushalmi R, Sanchez-Bayona R, Mrinakova B, Matos L, Bianchini G, Caleffi M, Krivokuca A, Abdou Y, Mariño-Mariño M, Parokonnaya A, Okano M, Antone N, Saavedra C, Sonnenblick A, Duchnowska R, Pais HL, Harbeck N, Cortesi L, Delucchi V, De Angelis C, Lambertini M. Association between type and location of germline BRCA1/2 pathognic or likely pathogenic variants with phenotype and prognosis in young patients with breast cancer: results from an international cohort study. *Ann Oncol 2025*. PMID: 41260260

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## ORAL COMMUNICATIONS AT CONFERENCES

**31.05.2026:** ASCO 2026 meeting (Chicago, US). Rapid talk entitled "Effectiveness of first-line ET+CDK4/6i continuation beyond disease progression in a large cohort of patients with HR+/HER2− advanced breast cancer: Results from the multicenter, real-world, Italian study PALMARES-2"

**18.05.2026:** 4th Milan "Me(e)t immune Conference - how metabolism meets the immune system in human malignancies" (Milan, Italy). Scientific chair and speaker with talks

entitled: “Cancer metabolism as a targetable hallmark of cancer: reaching the last mile” and “Metabolism and PI3K/AKT/mTORC1 axis inhibitors in cancer therapy”

**13.04.2026:** B.I.T. Breast In Translation 3.0 International congress (Padova, Italy). Scientific chair and speaker with a talk entitled: “Metabolic vulnerabilities across metastatic sites”
**17.03.2026:** Translational Research in Breast Cancer Workshop (2nd edition) (Naples, Italy). Invited speaker for a talk entitled: “Metabolism and cancer”.
**12.03.2026:** Grandangolo in Oncology: Focus on Integrated Therapies (Bologna, Italy). Invited speaker for a talk entitled: “Nutritional approach to patients with cancer”.
**19.02.2026:** Focus on Breast Cancer: First Italian Consensus Conference (Udine, Italy). Invited speaker for a talk entitled: “Decision process on early-stage luminal breast cancer”.
**18.09.2025:** Alliance Against Cancer 10th Annual Meeting: New Technologies and strategies to fight cancer (Verona, Italy). Invited speaker for a talk entitled: “Diet and cancer: facts and myths”
**12.09.2025:** 21st Meet the Professor Advanced International Breast Cancer Course (AIBCC) (Padua, Italy). Invited speaker for a talk entitled: “Lifestyle interventions after breast cancer”
**10.09.2025: “**INTERNATIONAL SUMMER SCHOOL ON MOLECULAR ONCOLOGY: 4th Edition” (Verbania, Italy). Invited speaker for a presentation entitled: “Fasting-Mimicking diet and cancer metabolism”
**14.07.2026:** Cancer Core Europe (CCE) Lecture (online event). Invited speaker for a lecture entitled: “Targeting cancer metabolism: from the Lab to the Clinic”
**05.07.2025:** 21th International Fasting Congress (Berlin, Germany). Invited Speaker for a talk entitled: “Fasting in Immunotherapy”
**04.07.2025:** Scientific Symposium on Fasting Research (Berlin, Germany). Invited speaker for a talk entitled: “Workshop Fasting and Oncology: Harmonization of Clinical Practice”
**26.06.2025:** Optimal shared management in patients with HR+ HER2- BC (Milan, Italy). Scientific chair
**19.06.2025:** Comprehensive Cancer Care and Research Network. IRST-AUSL Romagna “Breast Cancer Conference: from molecular signatures to clinical oncology”. Invited speaker for a talk entitled: “Cyclic fasting-mimicking diet in cancer treatment: preclinical and clinical evidence”
**5.5.2025:** 3rd Milan “Me(e)t immune Conference - how metabolism meets the immune system in human malignancies” (Milan, Italy). Scientific chair.
**11.4.2025:** HER Challenge meeting (Bergamo, Italy). Scientific chair.
**7.4.2025:** B.I.T. Breast In Translation 2.0 International congress (Padova, Italy). Scientific chair.
**7.3.2025:** Breast Journal Club: the importance of research in Oncology. Invited speaker for a talk entitled: “Metastatic luminal breast cancer”
**25.3.2025:** Scientific chair of the meeting “abBRaCciAmi: abbracciare la comunicazione e la cura dei tumori legati a BRCA” (Milan, Italy).
**10.11.2024:** Annual Meeting of the “Associazione Italiana di Oncologia Medica” (AIOM). Oral communication with a presentation entitled: “Effectiveness of first-line palbociclib, ribociclib and abemaciclib in patients with HR+/HER2- aBC: real-world comparison from the multicenter, Italian study PALMARES-2”.
**24.10.2024:** “20th MEET THE PROFESSOR: Advanced International Breast Cancer Course (AIBCC)” meeting (Padua, Italy). Awardee lecture entitled “Boosting Academic Research to Meet the Unmet Needs in Breast Cancer Therapy”. Invited speaker for a presentation entitled “HR+ disease: current algorithm”
**11.10.2024:** “2024 CARCINOMA MAMMARIO METASTATICO: QUALI NOVITÀ?” meeting organized by AIGOM (Associazione Italiana Gruppi Oncologici Multidisciplinari)

(Rome, Italy). Invited speaker for a presentation entitled "Fasting-mimicking diet and metformin: the BREAKFAST trial".
**26.09.2024:** "64th Annual Meeting of the Italian Cancer Society" (SIC) (Milan. Italy). Invited speaker for a presentation entitled: "The role of amino acids in cancer progression and response to treatment"
**09.09.2024:** "DONNA E CANCRO IV Edizione: From bench to bedside" meeting (Milan, Italy). Invited speaker for a presentation entitled: "Neoplasia luminale: nuovi biomarcatori ed algoritmi terapeutici".
**08.09.2024:** "46th ESPEN Congress on Clinical Nutrition and Metabolism" (Milan, Italy). Invited speaker for a presentation entitled: "Immune response modulation by nutrition".
**05.09.2024: "**INTERNATIONAL SUMMER SCHOOL ON MOLECULAR ONCOLOGY: 4th Edition" (Verbania, Italy). Invited speaker for a presentation entitled: "Fasting-Mimicking diet and cancer metabolism"
**30.08.2024:** 33rd BioCity Symposium "Unleashing the power of metabolism" (Turku, Finland). Invited speaker for a presentation entitled: "Targeted metabolic interventions in cancer therapy".
**3.6.2024:** 2024 ASCO (American Society of Clinical Oncology): Annual Meeting (Chicago, Illinois, U.S.). Oral presentation: "Comparison of antitumor efficacy of first-line Palbociclib, Ribociclib or Abemaciclib in patients with HR+/HER2- aBC: results of the multicenter, real-world, Italian study PALMARES-2".
**31.05.2024:** EMBO Workshop "The many faces of cancer evolution" (Rimini, Italy). Invited speaker for a presentation entitled "Optimizing the balance between metabolite restriction and supplementation in cancer therapy".
**3.5.2024:** 2nd Milan ME[E]T IMMUNE Conference: How Metabolism Meets the Immune System in Human Malignancies. Scientific Committee and speaker with a presentation entitled: "Balancing metabolite restriction and supplementation in triple-negative breast cancer metabolism"
**29.4.2024:** B.I.T.: Breast In Translation International meeting (Padova, Italy). Scientific co-chair.
**26.4.2024:** 4th Protein Calorie Restriction Workshop (Kocaeli, Turkey). Invited speaker for a presentation entitled: "Nutritional and pharmacologic metabolic interventions to reprogram cancer metabolism: from preclinical to clinical evidence".
**22.4.2024:** AIRC for Young Scientists conference (IFOM, Milan, Italy). Invited speaker for a presentation entitled: "Targeting amino acid metabolism to boost the anticancer activity of calorie restriction"
**08.02.2024:** "Clinical Nutrition Pills" congress (Cesena). Invited speaker for a talk entitled: "Role of fasting in cancer patients"
**05.02.2024:** Cancer Core Europe Annual Meeting (Milan, Italy). Invited speaker for a talk entitled: "Metabolic reprogramming in solid tumors"
**14.12.2023: "**Shared Decision Making nel tumore della mammella metastatico" (Naples, Italy). Relatore invitato con una relazione dal titolo: "Revisione della letteratura circa i campi applicativi della SDM"
**07.12.2023:** San Antonio Breast Cancer Symposium (SABCS 2023) (San Antonio, Texas, U.S.). Oral presentation: "Precocious modulation of metabolic and immunological parameters predicts tumor response to fasting-mimicking diet plus chemotherapy in patients with early stage TNBC".
**13.09.2023:** International Summer School on Immuno-Oncology (3rd edition) (Verbania, Italy). Invited speaker for a talk entitled: "Innovative IO in solid tumors: what's next?"
**24.06.2023:** 20th International fasting Congress (Berlin, Germany). Invited Speaker for a talk entitled: "Fasting in Oncology"

**23.06.2023:** Scientific Symposium on Fasting Research (Berlin, Germany). Invited speaker for a talk entitled: "Molecular and Metabolic Mechanisms of Tumor Resistance to Fasting and Fasting Mimicking Diets, from Preclinical to Clinical Studies"
**26.05.2023:** Novelties from the 18th St. Gallen Breast Cancer Consensus Conference and Focus on Advanced Disease (Bologna, Italy). Invited speaker for a talk entitled: "*Monitoring of disease and risk stratification: Genomics, Transcriptomics and ctDNA*".
**07.05.2023: "**Preceptorship Programme on BREAST CANCER: multidisciplinary management, standards of care, therapeutic targets and future perspectives" organized by the European Institute of Oncology (Milan, Italy). Invited Speaker for a talk entitled "*Management of gBRCA carriers in early breast cancer*".
**27.04.2023:** "1st ME[E]T IMMUNE CONFERENCE: How Metabolism Meets the Immune System in Human Malignancies" organized by the Fondazione IRCCS Istituto Nazionale dei Tumori (Milan, Italy). Director of the Scientific Committee and speaker for a talk entitled "Severe calorie restriction in breast and lung cancer treatment: past, present and future".
**13.04.2023:** Atelier of the Accademia di Senologia "Umberto Veronesi" (Inveruno, Italy). Invited speaker for a talk entitled: "*Multidisciplinary approach in locally advanced disease*".
**12.11.2022: "**Preceptorship Programme on BREAST CANCER: multidisciplinary management, standards of care, therapeutic targets and future perspectives" organized by the European Institute of Oncology (Milan, Italy). Invited Speaker for a talk entitled "*Management of gBRCA carriers in early breast cancer*".
**07.10.2022:** Conference organized by the Azienda Ospedaliero-Universitaria di Modena, and entitled: "Ottimizzare la scelta della terapia adiuvante nelle neoplasie della mammella: tra linee guida e studi clinici". Invited speaker for a talk entitled: "*Prognostic and predictive factors in adjuvant therapy: HER2-positive breast cancer*".
**02.10.2022:** Annual Meeting of the "Associazione Italiana di Oncologia Medica" (AIOM). Oral communication with a presentation entitled: "*Precocious modulation of peripheral blood lymphocytes predicts long-term outcomes in patients with advanced hormone receptor-positive HER2-negative breast cancer treated with CDK4/6 inhibitors (PALMARES)*".
**12.05.2022:** CRICK-MSKCC-IFOM meeting (London), organized by the Francis Crick Institute. Invited speaker for a talk entitled "*Targeting metabolic reprogramming in breast cancer: from molecular mechanisms to clinical trials*".
**01.02.2022:** "Biomarkers summit in breast cancer: escalating and de-escalating treatment". 2nd International Meeting. Virtual meeting organized by IRCCS Istituto Romagnolo per lo Studio dei Tumori "Dino Amadori" - IRST S.R.L. Invited Speaker for a talk entitled "*Integrating supportive care: bone health and energy metabolism*"
**08.10.2021:** "Metabolism-Based Cancer Therapy" (Virtual Symposium organized by Technische Universitat Dresden, Germany). Invited Speaker for a talk entitled *"Hypoglycemic diet reshapes systemic metabolism and intratumor immunity in cancer patients".*
**03.12.2020:** "KALEIDOSCOPE OF NUTRITIONAL INTERVENTION IN ONCOLOGY" (Virtual event organized by Fondazione IRCCS Istituto Nazionale dei Tumori, Milan, Italy). Invited Speaker for a talk entitled "*Breakfast Project, main results".*
**01.11.2020:** Annual Meeting of the "Associazione Italiana di Oncologia Medica" (AIOM) (Vitrual Congress). Oral communication with a presentation entitled: "*Blood glucose levels are associated with the efficacy of everolimus-exemestane in patients with advanced HR-positive/HER2-negative breast cancer: the Italian study EVERMET*".
**01.10.2020:** "Protein Calorie Restriction Workshop" (International Workshop organized by ETH Zurich and Harvard T.H. Chan School of Public Health) (Vitrual Event)). Invited Speaker for a talk entitled "*Metabolic and immunological effects of fasting-mimicking diets in cancer patients*"

**28.11.2019:** "Learning at the Leaning Tower 2019: GONO Congress on Colorectal Cancer" (Scuola Superiore S. Anna, Pisa, Italy). Invited Speaker. Title of the Presentation: *Discovering tumor cells' metabolism: a new-old hallmark of cancer.*
**15.11.2019:** "Breaking Boundaries Metabolism at the Cross-Roads" Conference (IFOM, Milan, Italy). Invited Speaker. Title of the Presentation: *Targeting cancer metabolism: facts, controversies and therapeutic perspectives.*
**07.10.2019:** Cancer Core Europe Summer School in translational Cancer Research (Albufeira, Portugal). Invited Speaker. Title of the Presentation: *Reprogramming cancer metabolism: current research and potential therapeutic implications.*
**27.6.2019:** MASTERLUNG (Fondazione IRCCS Istituto Nazionale dei Tumori di Milano, Milan, Italy). Invited Speaker. Title of the Presentation: *Cellular Metabolism: vulnerabilities and potentially novel combinations.*
**09.04.2019:** "Protein Calorie Restriction Workshop" (International Workshop organized by Harvard T.H. Chan School of Public Health in Leiden, Netherlands). Invited Speaker for a talk entitled "*Safety and metabolic effects of cyclic calorie restriction in cancer patients: promising findings and potential risks*"
**17.11.2018:** Annual Meeting of the "Associazione Italiana di Oncologia Medica" (AIOM, Rome, Italy). Invited Speaker in the Educational Session. Title of the Presentation: *Metabolic disruption: a new hallmark of cancer.*
**9.11.2018:** 1st International Conference on Fasting, Dietary Restriction, Longevity and Disease (Los Angeles, USA). Invited Speaker. Title of the Presentation: *Periodic Fasting and Fasting-Mimicking Diet tin Chemotherapy of Cancers.*
**12.10.2018:** Conference on "Treatment of metastatic HER2-negative breast cancer" (Rezzato, Italy). Invited speaker. Title of the presentation: *Metabolism and Breast Cancer: Myth or Reality?*
**7.10.2018:** Cancer Core Europe Summer School in translational Cancer Research (Albufeira, Portugal). Invited Speaker. Title of the Presentation: *Metabolic reprogramming in cancer: current knowledge and potential therapeutic implications.*
**25.5.2018:** ANDID National Congress (Turin, Italy). Invited Speaker. Title of the Presentation: *Fasting in Oncology.*
**26.01.2018:** Congress on "Innovative therapy, Monoclonal Antibodies and beyond" (Milan, Italy). Invited speaker. Title of the presentation: *Impact of cyclic fasting mimicking diet (FMD) on cancer patient metabolism.*
**17.01.2018:** Workshop on Molecular Diagnostics and Innovative Drugs (Trieste, Italy). Invited Speaker. Title of the presentation: *Immunity in Oncology: targets, therapy and nutritional aspects.*
**27.05.2017:** Nutrition and Longevity Workshop (Genova, Italy). Invited Speaker. Title of the presentation: *The Fasting Mimicking Diet in Cancer Patients: Preliminary Results of the INT 10/17 "Basket" Study.*
**26.05.2017:** Supportive Care in Oncology: "Systemic Strategy at the Patient Service" (Milan, Italy). Invited Speaker. Title of the Presentation: *Complementary Therapies in Oncology: when and why.*
**24.05.2016:** 2nd Milan NET Conference. A meeting among active Italian Neuroendocrine Tumor Boards. Presentation of a Clinical Case.
**26.6.2013:** CHROMO2013: EMBO workshop on Chromosome Segregation and Aneuploidy (Breukelen, The Netherlands). Title of the presentation: *Adaptation to the mitotic checkpoint in budding yeast requires APC/C$^{Cdc20}$ activity and is regulated by the interplay between Cdc28/Clbs and PP2A$^{Cdc55}$.*

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*I authorise the use of my personal data in compliance with Legislative Decree 196/03.*

Date: April 29th 2026 Signature