

GIUSEPPE CURIGLIANO M.D. Ph.D.

Full Professor of Medical Oncology

CURRICULUM VITAE

Head Division of Early Drug Development, European Institute of Oncology, Milan

Full Professor of Medical Oncology at University of Milano

Chair of the Clinical Practice Guidelines Committee of European Society for Medical
Oncology

Fellow of the European Academy of Cancer Sciences

Member of the National Health Council (Consiglio Superiore di Sanità)

PERSONAL DETAILS

Email Address giuseppe.curigliano@ieo.it

Medical Registry No MI-39318

Nationalities Italian, Canadian

Marital Status Married

Languages English, Italian, basic French

EDUCATION

Catholic University of Rome and University of Pisa

Lyceum Humanities Degree	Summa cum laude honours, Liceo Michele Morelli, Vibo Valentia	1986
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Medical degrees

MD	Summa cum laude honours: “Prognostic significance of p53 in early stage colorectal cancer” Università Cattolica del Sacro Cuore, Policlinico Gemelli, Roma	1993
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Specialist Qualification	Summa cum laude honours in Medical Oncology “Molecular diagnosis of transitional cell carcinoma by Denaturing Gradient Gel Electrophoresis (DGGE) urinalysis” Università Cattolica del Sacro Cuore, Policlinico Gemelli, Roma	1998
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Science degrees

PhD	Summa cum laude honours in Clinical Pharmacology “Pharmacogenetic determinants of response to chemotherapy in bladder and non small cell carcinoma” Università di Pisa	2006
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MSc	Summa cum laude honours in Health Management “Clinical Pathways and Activity Based Costing in the management of early breast cancer” Università Cattolica del Sacro Cuore, Milano	2012
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JOURNAL EDITORIAL BOARD o CURRENT REVIEWER

Editorial Board Member

- Cancer Treatment Review (Co-Editor in Chief)
- The Breast (Co-Editor in Chief)
- European Journal of Cancer (Associate Editor for Breast Cancer Section)
- Current Opinion in Oncology (Associate Editor for Breast Cancer Section)
- The Oncologist (Associate Editor for Breast Cancer Section)
- Cardio-Oncology (Associate Editor)
- Journal of Clinical Oncology (Breast Cancer Editor)
- Annals of Oncology (Breast Cancer Editor)
- OncoReview (Associate Editor)
- Current Opinion in Oncology (Associate Editor for Breast Cancer Section)
- Breast Cancer Research and Treatment (Medical Oncology Editor)

Current reviewer

- Nature Clinical Cancer Reviews
- Journal of National Cancer Institute
- The New England Journal of Medicine
- Breast Cancer Research and Treatment
- Nature Clinical Practice Oncology
- Cancer Treatment Review
- Breast Cancer Research
- British Journal of Cancer
- European Journal of Cancer
- Breast Cancer Research
- Critical Review in Hematology-Oncology
- The Lancet Oncology

HONOURS and PRIZES

POSTGRADUATE FELLOWSHIPS

Prize "Tullio Terranova" for Clinical Cancer Research	1993
Prize "Istituto Toniolo" for Clinical Cancer Research	1995
Susan G. Komen for the Cure Scholar	2011
Awarded "Cavaliere" by Prime Minister Mario Monti and President Giorgio Napolitano	2012
Premio Personaggio di Prestigio, Associazione De Rubro Monte	2014
European School Oncology "Umberto Veronesi Award"	2017
Fellow of the European Academy of Cancer Sciences	2017
Radici per il Futuro Award, Liceo Classico Michele Morelli	2017

Tullio Terranova Travelling Fellow	1993
Clinical Immunology Fellowship at South Carolina Medical School, Charleston, SC, USA	1994
Istituto Toniolo Translational Research fellowship	1995
Clinical Fellowship at Columbia University Comprehensive Cancer Center, New York, NY, USA	1995-96
Federazione Italiana Ricerca sul Cancro (FIRC) Translational Research Fellowship	1997-2000

MEDICAL ONCOLOGY CAREER

Catholic University of Rome

Dept of Medicine, Prof. G. Folli, Internal Medicine Research Fellow	September 1989 - September 1991
Giovanni XXIII Institute for Cancer Research, Prof. A. Cittadini Molecular Biology Training Fellowship, Senior Lecturer in Medical Oncology	October 1991 - December 1993

**Medical University of South Carolina,
South Carolina Medical School,
Charleston, SC, USA**

Dept of Clinical Immunology, prof. M. La Via
Senior Research Fellow

December 1993 - December
1994

**Columbia University, College of Physician
and Surgeons, Columbia Comprehensive
Cancer Center, New York, NY, USA**

Molecular Epidemiology Lab, prof. I.B. Weinstein,
Senior Fellow

January 1995 - February 1996

**Italian Air Force, 53° Stormo Caccia
Chiarini, Cameri, Novara, IT**

Lieutenant, Chief Medical Officer

March 1996 – September
1997

European Institute of Oncology

Senior Clinical Assistant, Phase I and Clinical
Pharmacology Unit, Chair dr F. de Braud

January 1999 – April 2004

Deputy Director of the Division of Medical
Oncology, Chair prof. A. Goldhirsch

May 2005 – May 2010

Co-Chair of the Division of Medical
Oncology, Chair prof. Aron Goldhirsch

May 2010- March 2013

Head, Early Clinical Trial Division

April 2013

Dana Farber Cancer Institute

2010

Visiting scientist
Breast Cancer Program, Chair Eric P. Winer

MEMBERSHIP OF SOCIETIES

- European Society for Medical Oncology (ESMO)
- American Society for Clinical Oncology (ASCO)
- Italian Oncology Association (AIOM)
- American Association for Cancer Research (AACR)
- Society for Immunotherapy of Cancer (SITC)
- Italian Society of Clinical Pharmacology (SIF)
- International Cardio-Oncology Society (ICOS)
- Breast International Group (BIG)
- International Breast Cancer Study Group (IBCSG)
- European Society of Breast Cancer Specialists (EUSOMA)

MEMBERSHIP OF EXECUTIVE COMMITTEES

Local

- ❑ European Institute of Oncology
 - Committee of Heads of Clinical Divisions
 - Committee of IEO Education
 - Committee of Clinical Pharmacology Evaluation
 - Committee of Clinical Pathways and Activity Based Costing assessment

National

- ❑ Expert Board for Drug Evaluation of Agenzia Italiana del Farmaco (AIFA), Board Member (2007-Present)
- ❑ Clinical Research Council of Associazione Italiana Oncologia Medica, Molecular and Cell Medicine Board, Committee Member (2011-Present)
- ❑ President Comitato Scientifico Associazione Italiana di Oncologia Medica (2017-Present)
- ❑ President Comitato Scientifico Lega Italiana Lotta ai Tumori (2019-2020)
- ❑ Member Consiglio Superiore di Sanità (2019-Present)

International

- ❑ Expert Board of European Medicines Agency (EMA), Assessors Committee Member (2007-2013)
- ❑ Scientific Advisory Council, International Breast Cancer Study Group, Committee Member (2009-Present)
- ❑ St Gallen Early Breast Cancer Consensus Conference, Scientific Committee Member (2009-Present)
- ❑ International Cardio-Oncology Society, Founding Member and Scientific Secretary (2009-Present)
- ❑ European School of Oncology, Faculty Member (2009-Present)
- ❑ Scientific Advisory Council, Breast International Group (BIG), Committee Member (2011-Present)
- ❑ Institut National du Cancer, INCa, Scientific Committee Member (2010-Present)

- ❑ European Society for Medical Oncology, Metastatic Breast Cancer, Scientific Committee Member (2011-Present)
- ❑ European Organization for Research and Treatment of Cancer (EORTC), Breast Cancer Study Group, Member (2011 – present)
- ❑ Komen Scholar Scientific Peer Review Committee (2011-2012)
- ❑ Member of Breast International Group and North American Breast Cancer Group partnership under coordination of the National Cancer Institute (2009-Present)
- ❑ European Society for Medical Oncology, Metastatic Breast Cancer, Scientific Committee Chair (2014)
- ❑ European Society for Medical Oncology, IMPAKT meeting, Scientific Committee Chair (2014)
- ❑ European Society for Medical Oncology Press & Media Affairs Committee member, Official Spokesman for Breast Cancer (2014-Present)
- ❑ European Society of Medical Oncology, Women for Oncology Committee member (2014-Present)
- ❑ European Society of Medical Oncology, Global Policy Committee member (2015-Present)
- ❑ European Society of Medical Oncology, Membership Committee member (2015-Present)
- ❑ European Society of Medical Oncology, Nominating Committee member (2017-2022)
- ❑ European Society of Medical Oncology, Nominating Committee Chair (2017-2022)
- ❑ European Society of Medical Oncology, Clinical Practice Guidelines Committee Chair (2020-Present)
- ❑ St Gallen Oncology Conference on Treatment of Early Breast Cancer 2017, 2019, 2021, 2023 Conference Scientific Chair.
- ❑ ESMO Immuno-Oncology Congress 2017, Geneva, Member of the Scientific Committee
- ❑ EUSOMA (European Society of Breast Cancer Specialists), Member of the Executive Committee (2017-Present)
- ❑ ESMO 2018 Congress, Editor in Chief Daily Reporter
- ❑ ESMO Breast 2019, Conference Chair
- ❑ St Gallen 2019 Early Breast Cancer Conference, Scientific Chair
- ❑ ESMO Breast 2020, Conference Scientific Chair
- ❑ ESMO Breast 2021, Scientific Chair
- ❑ ESMO Breast 2022, Honorary Chair

- ❑ European Society of Medical Oncology, Nominating Committee Chair (2018-2021)
- ❑ European Society of Medical Oncology, Guidelines Committee Chair (2020-2022)

CLINICAL AND SCIENTIFIC LEADERSHIP

Giuseppe Curigliano, MD, PhD, is head of the Division of Early Drug Development at European Institute of Oncology, in Milan, Italy, where besides his clinical work. He is professor of Medical Oncology at University of Milano. He is a clinician and researcher specializing in breast cancer. Dr. Curigliano earned his MD at the Università Cattolica del Sacro Cuore, in Rome, Italy. He also holds a PhD in clinical pharmacology from the University of Pisa. He completed his postdoctoral fellowship in South Carolina Medical School, Charleston (1993-1994) working on clinical immunology studies in solid tumors. He moved to the Comprehensive Cancer Center at Columbia University in New York City, NY, USA (1995-96). This working experience was concentrated on molecular epidemiology studies related to carcinogen-DNA adducts, susceptibility genes characterization in solid tumors; gene-environment interactions and development of monoclonal antibodies for carcinogen DNA-adducts detection. He moved to the European Institute of Oncology in 1999. He applied to clinical research his strong basic science background leading several translational research protocols on breast and urogenital cancer. He was committed for 5 years in the phase I unit, contributing to successful development of several targeted agents and cytotoxics. Since 2001 he is adjunct professor of Clinical Pharmacology at University of Milan, concentrating his lectures on clinical pharmacology of anticancer biologicals and cytotoxics. In 2010 he visited Dana Farber Cancer Institute, Harvard Medical School, Boston, USA. He is co-chair of Division of Clinical Oncology coordinating clinical and comprehensive management of patients with all solid tumors (lung, gastrointestinal, urogenital, breast, soft tissue sarcomas and rare tumors). He is an active member of the American Society of Clinical Oncology (ASCO), the European Society of Medical Oncology (ESMO) and the Associazione Italiana di Oncologia Medica (AIOM). He is founding member of/and scientific coordinator for the International Cardio-Oncology Society (ICOS). He serves on the Clinical Research Committee of the AIOM. He serves as faculty member in the European School of Oncology (ESO). He is member of the Scientific Advisory Committee of the International Breast Cancer Study Group (IBCSG) and of the Breast International Group (BIG). He is ESMO and ESO Faculty Member for Breast Cancer. He served on the Program Scientific Committee of ESMO 2012 and 2013. He served on the Program Scientific Committee of the St Gallen conference 2009, 2011 and 2013 as scientific secretary. Since October 2011 to May 2012 he served as a Susan G. Komen for the Cure Scholar. He served on the Program Scientific and Executive Committees of the IMPAKT Breast Cancer Conference from 2011 to 2015. He served as Chair for the St Gallen conference 2017. Dr. Curigliano's research experiences include principle or coinvestigator work in several phase I-II clinical trials with targeted agents, cytotoxic and endocrine agents in breast cancer. He has

been also involved as principal investigator in several phase I studies with peptide vaccines for breast cancer (either in the adjuvant either in the metastatic setting). Dr Curigliano's research interests include the biology of breast cancer, predictive markers of response to therapy and new anti-cancer agents. He is the coordinator of a research platform on new drug development at European Institute of Oncology. Dr. Curigliano has written widely on oncology, including articles in the Journal of Clinical Oncology, Annals of Oncology, European Journal of Cancer (more than 490 peer reviewed article, most of them as first or last author) and several book chapters. He also reviews for a number of journals, including the Journal of Clinical Oncology, Annals of Oncology, the Journal of the National Cancer Institute and the European Journal of Cancer. He is member of the editorial board of Annals of Oncology, Journal of Clinical Oncology. He is associate editor of European Journal of Cancer and Co Editor in Chief of Cancer Treatment Reviews and The Breast. Prof Curigliano serves on the Executive Committee of EUSOMA (European Society of Breast Cancer Specialists) and was elected as member of the ESMO Nominating Committee in 2017.

TRANSLATIONAL CANCER RESEARCH

There is a major trend of importance in the oncology field. The growing importance of translational science in oncology care is the actual milestone. Increasingly, our treatment decisions and therapies are being guided by advanced biological insights from molecular and cellular biology and bioinformatics. I hold an undergraduate degree in molecular biology and a PhD in Clinical Pharmacology, and I still find it challenging to stay abreast of these fantastic developments. All my early and actual working activity is within clinical trials with strong translational research. We must continue helping oncologists and clinical investigators understand the science of cancer care through scientific symposia and educational programs. The future of cutting-edge cancer treatments will depend on such understanding. Through its meetings, educational programs, grants, guidelines, publications, and online media, we must bring to the oncology community scientific insights that allow patients and clinicians to engage in 21st century oncology. I established a phase I-II Trials Unit at European Institute of Oncology using the facilities of the IEO Translational Research Campus. I obtained several research grants in clinical translational immunology (mechanisms of resistance to anti-HER2 therapies) and in translational cancer research. I am actually involved as principal investigator in a translational trial committed to develop xenograft models. The experimental plan to achieve this objective will contemplate several intermediate endpoints: i) generation of primary human breast xenografts using the above mentioned cohort of patients, ii) set up of in vivo RNAi screening using cells from primary xenografts as cancer cells in the assay, and iii) whole exome sequencing of primary tumor samples, primary xenografts and secondary tumors obtained from RNAi screening. Identification of molecular events by exome sequencing tools in tumor xenografts obtained from collected tumor tissues, may be crucial to understand molecular mechanisms inducing resistance to first line therapy. I am also committed in a national grant research protocol on stem cell research. I am also the PI of the TRANSCAN project on the prognostic value of tumor-infiltrating lymphocytes on residual disease after primary chemotherapy for triple-negative breast cancer. The development of

surrogates for drug efficacy is becoming a major challenge in clinical research. Such surrogates could dramatically speed-up drug development by allowing quick selection of successful compounds, avoiding large adjuvant trials and identifying patients at very good outcome. In breast cancer, pathological complete response (pCR) and Ki67 drops have been proposed as surrogates for the efficacy of chemotherapy and endocrine therapy. FDA recently proposed the use of pCR for drug approval, emphasizing the need for research in this field. Preclinical studies have suggested that cytotoxic agents may partly exert their antitumor activity by inducing immune response against tumor cells. The immunogenic cell death induced by cytotoxic agents allows antigen cross-presentation, activation of dendritic cells and induction of tumor-specific cytotoxic T cells. A few studies on small breast cancer series have suggested that cytotoxic agents, including anthracyclines and taxanes, can induce tumor-specific immune response, and that exposure to such drugs could lead to the attraction of lymphocytes in the tumor bed. With the aim to identify a new potential tool for a better selection of high-risk patients eligible for postneoadjuvant investigational drugs and that could also represent a new surrogate for neoadjuvant drug efficacy for TNBC, we are evaluating whether the magnitude of lymphocytic infiltration in the residual disease after NACT could allow identifying a population of TNBC patients at good outcome. We are also assessing expression of cytotoxic T-lymphocyte-associated antigen 4 (CTLA-4), the programmed death 1 (PD-1) receptor and its two known ligands, PD-L1 (also known as B7-H1 or CD274) and PD-L2 (also known as B7-DC or CD273). I'm actually the PI of the first trial on precision medicine in metastatic breast cancer (trial fully supported by Italian Association for Cancer Research).

VISION STATEMENT

These are both exciting and challenging times in the fight against cancer. Advances in our knowledge of cancer are resulting in the fulfillment of the promise of precision cancer medicine for an increasing number of patients across multiple tumor types. Unprecedented advances are occurring in multiple areas including genomics, targeted therapeutics, and immunology, just to name a few. At the same time, we are facing as a field and as a community tremendous challenges including decreased research funding at a critical time when more resources are needed, the increased instability of academic careers, and the greater need to foster collaborative research and programs, to train our new generation of scientists, and to close the gap between the basic and clinical sciences.

Moving forward, cancer research globally must further expand its efforts on advancing regulatory science and policy, integrating research and patient care, fostering greater patient participation in clinical trials, and cultivating a skilled and diverse cancer research workforce. This work, together with developing partnerships with other organizations and initiatives to raise research funds, is a priority that needs to be continued and expanded. And finally, and perhaps one of the most important tasks at hand, it is the goal to continue to promote the recruitment and retention of superb talent to cancer research, to provide resources and funding to our trainees, and to facilitate access to our meetings and conferences. Most importantly, we need to continue to support a robust research agenda on multiple levels at a time when, more than ever, research is the answer to the cancer problem and pivotal

discoveries are making it possible to visualize a future when cancer will no longer be a leading cause of death.

ORGANISATIONAL LEADERSHIP

Academic

European Institute of Oncology: I played a significant role in establishing an educational program in Milan and leading its development to one of the largest and best funded academic programs in Italy. I was committed for 10 years in providing a yearly “Clinical Science in Oncology Seminars” program. Aims of the Seminars are to review developments in specific topics of oncology and to keep practicing physicians up to date with recent research and opinion. Global opinion leaders took part to these seminars.

University of Milan: In the last 7 years I was actively involved in the educational program of the Master of Clinical Pharmacology in Cancer Therapy, University of Milan, providing post-graduate

In 2014 I obtained the National Academic Qualification as Associate Professor (2013-2017)

In 2017 he won the selection as Associate Professor of Medical Oncology (MED06) at University of Milano

In University I held the role of referent for the internationalization of my department of oncology and hemato-oncology

I funded the first University Master on Artificial Intelligence in Cancer Medicine

At national level I was President of the Comitato Scientifico Associazione Italiana di Oncologia Medica (2017-Present). I was also President of the Comitato Scientifico Lega Italiana Lotta ai Tumori (2019-2020). Since 2019 I am Member Consiglio Superiore di Sanità, the only oncologist across 30 members for the national advisory council for the Ministry of Health

INTERACTION WITH INDUSTRY

I have established board level links with a number of global pharmaceutical and healthcare companies which has led to significant grant funding.

IEO has an impressive record of protecting and developing its IPR and establishing spin out companies.

INTERNATIONAL COLLABORATIONS:

- USA** I have established a series of collaborations with the USA's major cancer research centres (North American Breast Cancer Group, National Cancer Institute, MD Anderson, Memorial Sloan Kettering and Dana Farber, Harvard).
- INDIA** As a member of the scientific advisory board of the BIG and ESMO, I'm actively involved in the "Developing Countries Task Force", aimed to develop academic clinical research within a network of India's top cancer centres, in partnership with BIG. This collaboration will provide training opportunities for Indian investigators in Europe and will build an internationally competitive clinical research network.
- EUROPE** I had the opportunity to collaborate within the BIG network with all centres of excellence for clinical cancer research in Europe. I am in a strong position to improve standing of Medical Oncology in Europe.
- SOUTH AMERICA** I have established active collaboration with Brasil and Argentina institution training and mentoring clinician scientist that visited my institution in Milan.
- NORTH AFRICA** I have been involved in a collaborative clinical network of cancer research centres in Libia and Egypt (involving scientist with education and training in European and US countries).

RESEARCH GRANTS RECEIVED

1994

- Toniolo Institute Grant - E 15,000.
One year's salary for Research Assistant
Grant Holder: G. Curigliano

1995-1998

- Fondazione Italiana per la Ricerca sul Cancro (FIRC) Triennial Grant – E 150,000
Molecular biology of transitional cell bladder carcinoma. Research Grant
Grant Holder: G. Curigliano

1999-2001

- Ricerca Finalizzata Ministero della Salute Grant – E 110,000
2 year salary for senior post-doctoral scientist for project on pharmacogenetics of transitional bladder cell carcinoma
Grant Holder: G. Curigliano

2001-2009

- Associazione Italiana Ricerca sul Cancro Grant - E 150,000
2 year's salary for senior post-doctoral scientist for project on identification of gene signature predictive of response to bevacizumab in triple negative breast cancer Grant Holders – A. Goldhirsch, G. Curigliano
- Ricerca Finalizzata Ministero della Salute Grant - E 210,000
Identification of Mechanisms of resistance to trastuzumab
Grant Holders – M. Rescigno, G Curigliano
- Cariplo Foundation Grant- E 60,000
Eps8 gene polymorphism and toxicity from cisplatin
Grant Holders – N. Offenhauser, G. Curigliano
- Umberto Veronesi Foundation Grant – E 120,000
Role of cancer stem cells in anticancer drug resistance
Grant Holder – G. Bonizzi, G. Curigliano

2009-2011

- Roche Unrestricted Grant- E 300.000
To explore activity of bevacizumab in lymphangitic breast cancer
Grant holders – A. Goldhirsch, G. Curigliano

2011-2012

- Umberto Veronesi Foundation Grant E 200,000
Genome Remodeling in Luminal B, HER2 and Ductal Triple Negative Breast Cancer Metastasis and Xenograft: Exome sequencing analysis for identification of driver pathways to overcome resistance
Grant holder – G. Curigliano
- Career Catalyst Research (CCR) Komen Grant E. 450.000

Measuring Estrogen Levels During Letrozole Interruption – The SOLE-EST Substudy
Grant holders – A. Goldhirsch, G. Curigliano

- Associazione Italiana Ricerca sul Cancro (AIRC) Grant E 3,000,000
Understanding how cancer stem cells drive breast cancer growth and how to exploit them as its Achille’s heel
Task 5 Team Leader: G Curigliano
Optimization of available therapies: Breast cancer stem cells and drug resistance
Grant Holders: P.P. Di Fiore, P.G. Pelicci, G. Viale and A. Goldhirsch

2012-2015

- ERA-Net on translational cancer research (TRANSCAN) E 3.000,000
"CD3 and CD20 lymphocytes infiltration to predict chemosensitivity in patients with triple negative breast cancer", UGI1
Grant holder – F. Andrè, G. Curigliano, K. Denkert

2015-2017

- AIRC funding on translational cancer research E 300.000
"Clinical utility of a next generation sequencing-based "oncochip" for therapeutic decision in metastatic breast cancer"
Grant holder –G. Curigliano

2015-2017

Ministero della Salute Funding Euros 360.000
" Master protocol of precision medicine for treatment of metastatic breast cancer"
Grant holder –G. Curigliano

2016–2019

Coordinatore WP 3 del progetto "Development of effective cancer therapies based on functional proteomics and cancer stem cell targeting". Associazione Italiana per la Ricerca sul Cancro. Finanziamento 230.733 Euro.

2019-2021

Coordinatore WP 1 "An interdisciplinary approach for the management of the elderly multimorbid patients with breast cancer therapy induced cardiac toxicity", consorzio CARDIOCARE, Horizon 2020: Finanziamento 2.500.000 Euro

2021-2026

Coordinatore WP 6 "Optimal treatment for patients with solid tumours in Europe through Artificial intelligence" Consorzio OPTIMA; Horizon 2020, Finanziamento 10.000.000 Euro

PUBLICATIONS

PUBLISHED ABSTRACTS

Over 1000 abstracts presented at national and international conferences.

THESES and MENTORING

Dr Curigliano was committed in the last 15 years to training and mentoring medical student, residents and PhD students. He provided excellence in undergraduate, postgraduate and continuing medical education.

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| MD | 4-ABP DNA adducts in transitional cell carcinoma of the bladder |
| | dHER2 peptide vaccine ad adjuvant therapy in HER2 positive breast cancer |
| | Pharmacogenetic determinants of response to intravesical gemcitabine in transitional cell carcinoma of the bladder stage pT1, pT1 |
| | Identification of a gene signature predictive of response to bevacizumab in lymphangitic breast cancer |
| | Cancer testis antigens expression in triple negative breast cancer |
| PhD | Pharmacogenetic determinants of response to intravesical gemcitabine in transitional cell carcinoma of the bladder stage pT1, pT1 |
| MD | Xenograft models in breast cancer subtypes |

BIBLIOMETRIC DATA

Thompson Reuters Scopus: **H index: 76**

Number of Citations: 27.521

Google Scholar: **H index 136**

Number of Citations: 107.830

In 2022 I was identified as Clarivate™ world's most influential researchers.

PEER REVIEWED PUBLICATIONS

Anno 1996

1) Curigliano G, Zhang YJ, Wang LY, Flamini G, Alcini A, Ratto C, Giustacchini M, Alcini E, Cittadini A, Santella RM. Immunohistochemical quantitation of 4-aminobiphenyl-DNA adducts and p53 nuclear overexpression in T1 bladder cancer of smokers and nonsmokers. *Carcinogenesis*. 1996 May;17(5):911-6. doi: 10.1093/carcin/17.5.911. PMID: 8640937.

2) Flamini G, Curigliano G, Ratto C, Astone A, Ferretti G, Nucera P, Sofo L, Sgambato A, Boninsegna A, Crucitti F, Cittadini A. Prognostic significance of cytoplasmic p53 overexpression in colorectal cancer. An immunohistochemical analysis. *Eur J Cancer*. 1996 May;32A(5):802-6. doi: 10.1016/0959-8049(95)00625-7. PMID: 9081357.

3) Ratto C, Flamini G, Sofo L, Nucera P, Ippoliti M, Curigliano G, Ferretti G, Sgambato A, Merico M, Doglietto GB, Cittadini A, Crucitti F. Detection of oncogene mutation from neoplastic colonic cells exfoliated in feces. *Dis Colon Rectum*. 1996 Nov;39(11):1238-44. doi: 10.1007/BF02055116. PMID: 8918432.

Anno 1997

4) Flamini G, Magalini S, Curigliano G, Nanni G, Boninsegna A, Agnes S, Faticato D, Castagneto M, Cittadini A. Immunohistochemical analysis of p53 protein in transplant recipients with Kaposi's sarcoma. *J Cancer Res Clin Oncol*. 1997;123(4):240-2. doi: 10.1007/BF01240324. PMID: 9177500.

5) Romano G, Mancini R, Fedele P, Curigliano G, Flamini G, Giovagnoli MR, Malara N, Boninsegna A, Vecchione A, Santella RM, Cittadini A. Immunohistochemical analysis of 4-aminobiphenyl-DNA adducts in oral mucosal cells of smokers and nonsmokers. *Anticancer Res*. 1997 Jul-Aug;17(4A):2827-30. PMID: 9252724.

Anno 1998

6) Flamini G, Romano G, Curigliano G, Chiominto A, Capelli G, Boninsegna A, Signorelli C, Ventura L, Santella RM, Sgambato A, Cittadini A. 4-Aminobiphenyl- DNA adducts in laryngeal tissue and smoking habits: an immunohistochemical study. *Carcinogenesis*. 1998 Feb;19(2):353-7. doi: 10.1093/carcin/19.2.353. PMID: 9498288.

7) Ciaparrone M, Terribile D, Curigliano G, Marra A, Sgambato A, Boninsegna A, Masetti R, Carbone A, Flamini G, Picciocchi A, Cittadini A. P-170 Glycoprotein (MDR) and p53 Expression in Breast Cancer. *Breast J*. 1998 Jul;4(4):270-6. doi: 10.1046/j.1524-4741.1998.440270.x. PMID: 21223447.

Anno 1999

8) Romano G, Sgambato A, Boninsegna A, Flamini G, Curigliano G, Yang Q, La Gioia V, Signorelli C, Ferro A, Capelli G, Santella RM, Cittadini A. Evaluation of polycyclic aromatic hydrocarbon-DNA adducts in exfoliated oral cells by an immunohistochemical assay. *Cancer Epidemiol Biomarkers Prev*. 1999 Jan;8(1):91-6. PMID: 9950245.

9) Romano G, Garagnani L, Boninsegna A, Ferrari P, Flamini G, De Gaetani C, Sgambato A, Giovanni F, Curigliano G, Ferretti G, Cittadini A, Trentini G. Analysis of 4-ABP-DNA adducts and p53 alterations in urinary bladder carcinoma. *Anticancer Res.* 1999 Sep-Oct;19(5C):4571-6. PMID: 10650812.

Anno 2000

10) Orlando L, Colleoni M, Nolè F, Biffi R, Rocca A, Curigliano G, Ferretti G, Peruzzotti G, de Braud F, Masci G, Goldhirsch A. Incidence of venous thromboembolism in breast cancer patients during chemotherapy with vinorelbine, cisplatin, 5-fluorouracil as continuous infusion (ViFuP regimen): is prophylaxis required? *Ann Oncol.* 2000 Jan;11(1):117-8. doi: 10.1023/a:1008364801718. PMID: 10690401.

11) De Pas T, Curigliano G, Catania C, Comandone A, de Braud F. Ifosfamide in the elderly: clinical considerations for a better drug management. *Crit Rev Oncol Hematol.* 2000 Feb;33(2):129-35. doi: 10.1016/s1040-8428(99)00060-8. PMID: 10737374.

12) De Pas TM, Mandalà M, Curigliano G, Peccatori F. Acute vulvar vestibulitis occurring during chemotherapy with cryptophycin analogue LY355703. *Obstet Gynecol.* 2000 Jun;95(6 Pt 2):1030. PMID: 10808018.

13) Ferretti G, Curigliano G, Pastorino U, Cittadini A, Flamini G, Calabrò MG, De Pas T, Orlando L, Mandalà M, Colleoni M, Spaggiari L, Granone PL, Pagliari G, de Braud F, Fazio N, Goldhirsch A. Detection by denaturant gradient gel electrophoresis of tumor-specific mutations in biopsies and relative bronchoalveolar lavage fluid from resectable non-small cell lung cancer. *Clin Cancer Res.* 2000 Jun;6(6):2393-400. PMID: 10873091.

14) De Pas T, de Braud F, Danesi R, Sessa C, Catania C, Curigliano G, Fogli S, del Tacca M, Zampino G, Sbanotto A, Rocca A, Cinieri S, Marrocco E, Milani A, Goldhirsch A. Phase I and pharmacologic study of weekly gemcitabine and paclitaxel in chemo-naïve patients with advanced non-small-cell lung cancer. *Ann Oncol.* 2000 Jul;11(7):821-7. doi: 10.1023/a:1008319923516. PMID: 10997809.

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PUBLISHED BOOK CHAPTERS

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5. **G. Curigliano** et. Al. *Il carcinoma della mammella. Zanussi. Trattato di Medicina Interna*. 2007
6. **G. Curigliano** et. Al. *Il carcinoma del testicolo. Zanussi. Trattato di Medicina Interna*. 2007
7. **G. Curigliano** et. Al. *Le sindromi paraneoplastiche. Zanussi. Trattato di Medicina Interna*. 2007
8. **G. Curigliano**. *Sarcomas of bone and soft tissue. Greenfield Surgery di Mulholland, Lippincott Williams & Wilkins*. 2010
9. F. Bertolini, **G. Curigliano** and U. Veronesi, and. *Oncologia. Enciclopedia Treccani, Edizione 2010*
10. **G. Curigliano**, Janaina Brollo, Maximiliano Cassilha Kneubil. *Systemic Impact of Breast Reconstruction. Reconstructive Breast cancer Surgery*. Mario Rietjens and Cicero Urban Editors. Springer 2012
11. **G. Curigliano**, C. Criscitiello. *Successes and Limitations of Targeted Cancer Therapy in Breast Cancer*. Peters S, Stahel RA (eds): *Successes and Limitations of Targeted Cancer Therapy*. *Prog Tumor Res*. Basel, Karger, 2014, vol 41, pp 15–35
12. Angela Esposito, Lucia Gelao, Carmen Criscitiello and **Giuseppe Curigliano**. *Cardiovascular Toxicity from Chemotherapy and Anticancer Treatment. The Heart and Toxins*. Elsevier 2015

13. Giuseppe Curigliano and Marzia Locatelli. Arrhythmias and QTc Prolongation. Hot Topics in Medicine and Surgery. Elsevier 2016.

SELECTED INTERNATIONAL CONFERENCES ATTENDED AS FACULTY

- 1992 International Conference on Cancer: Molecular Oncology and Clinical Application, Roma, Italia.
- 1993 4th World Congress International Gastro-Surgical Club, Madrid, Spain.
- 1995 5th Congress of the European Council of Coloproctology, Barcellona, Spain.
- 1995 First International Congress "Colorectal Cancer: from Gene to Cure", Amsterdam, Netherland.
- 1995 Research Forum 94° Annual Convention of American Society of Colon and Rectal Surgeons, Montreal, Canada.
- 1996 American Association for Cancer Research 87th Annual Meeting, Washington, USA.
- 1996 AARC and IARC Joint Conference "Carcinogenesis from environmental pollution: Assessment of human risk and strategies for prevention", Budapest, Hungary.
- 1996 2nd International Symposium on Predictive Oncology and Therapy "Impact of cancer biotechnology on diagnostic and prognostic indicators in predictive oncology and therapy", Nice, France.
- 1998 European Association for Cancer Research, XV meeting, Stockholm, Sweden.
- 1998 4th International Symposium on Predictive Oncology and Therapy "Impact of biotechnology on cancer: Diagnostic and Prognostic Indicators", Nice, France.
- 2000 2nd Milan Breast Conference, Milan, Italy
- 2000 25th European Society of Medical Oncology Congress, Hamburg, Germany.
- 2000 37th Annual Meeting of the American Society of Clinical Oncology, New Orleans, LA, USA
- 2001 37th Annual Meeting of the American Society of Clinical Oncology, San Francisco, CA, USA
- 2001 Molecular Targets and Cancer Therapeutics. AACR-NCI-EORTC International Conference, Miami, USA

2002 4th Milan Breast Conference, Milan, Italy

2003 5th Milan Breast Conference, Milan, Italy

2003 39th Annual Meeting of the American Society of Clinical Oncology, Chicago, USA

2004 6th Milan Breast Conference, Milan, Italy

2004 Molecular Targets and Cancer Therapeutics. AACR-NCI-EORTC International Conference, Geneva, Switzerland

2004 40th Annual Meeting of American Society of Clinical Oncology, New Orleans, USA

2005 41th Annual Meeting of American Society of Clinical Oncology, Orlando, USA

2005 7th Milan Breast Conference, Milan, Italy

2005 96th American Association for Cancer research Annual Meeting Anaheim/Orange County, USA, CA, 2005

2006 42th Annual Meeting of American Society of Clinical Oncology, Atlanta, USA

2006 8th Milan Breast Cancer Conference

2006 97th American Association for Cancer research Annual Meeting Washington, USA, 2006

2006 Saint Gallen Breast Cancer Conference, Saint Gallen, Switzerland

2007 98th American Association for Cancer Research Annual Meeting, Los Angeles, USA

2007 43th Annual Meeting of American Society of Clinical Oncology, Chicago, USA

2007 9th Milan Breast Cancer Conference

2008 10th Milan Breast Cancer Conference

2008 Saint Gallen Breast Cancer Conference, Saint Gallen, Switzerland

2008 Annual Meeting of American Society of Clinical Oncology, Orlando, USA

2008 San Antonio, Breast Cancer Symposium, San Antonio, Texas, USA

2009 Annual Meeting of American Society of Clinical Oncology, Orlando, USA

2009 San Antonio, Breast Cancer Symposium, San Antonio, Texas, USA

2010 ASCO Annual Meeting, Chicago

2010 IMPAKT Breast Cancer Conference, Brussels, Belgium

2011 Saint Gallen Breast Cancer Conference, Saint Gallen, Switzerland

2011 IMPAKT Breast Cancer Conference, Brussels, Belgium

2011 Milan Breast Cancer Conference

2012 IMPAKT Breast Cancer Conference, Brussels, Belgium

2012 ESMO Meeting, Vienna, Invited Speaker and Faculty Member

2013 Saint Gallen Breast Cancer Conference, St Gallen, Switzerland

2013 ECCO Cancer Meeting, Amsterdam

2013 ASCO Annual Meeting, Chicago

2013 Russian Society of Medical Oncology, Moscow

2013 ESTRO annual meeting, Porto

2013 ESSO annual meeting, Amsterdam

2013 San Antonio Breast Cancer Conference

2014 ESMO 2014 Meeting, Madrid, Scientific Chair

2014 IMPAKT Breast Cancer Meeting, Brussels, Scientific Chair

2015 Russian Society of Medical Oncology, Moscow

2015 ESTRO annual meeting, Vienna

2015 ESSO annual meeting, Liverpool

2015 San Antonio Breast Cancer Conference

2015 ECCO 2015 Meeting, Vienna, Invited Speaker

2015 IMPAKT Breast Cancer Meeting, Brussels, Invited Speaker

2015 ABC 3, Advanced Breast Cancer Meeting, Lisboa, Invited Speaker

2016 ESMO Immuno-Oncology Preceptorshipt, Siena, Invited Speaker

2016 UK Breast Cancer Research Symposium, London, UK, Invited Speaker

2016 Forum in Oncology, St Petersburg, Russia, Invited Speaker

2016 ESO-ESMO Masterclass in Medical Oncology, Wolfsberg, Switzerland, Invited Speaker

2016 ESO-ESMO Masterclass in Medical Oncology, Moscow, Russia, Invited Speaker

2016 ESO-ESMO Masterclass in Medical Oncology, Bogotá, Colombia, Invited Speaker

2016 Global Forum in Oncology, New York, USA, Invited Speaker

2016 Workshop in Clinical Oncology, Dubai, United Emirates States, Invited Speaker

2016 UK, Breast Cancer Research Symposium, London, United Kingdom

2016 ESMO Academy, August 26th -28th Oxford, United Kingdom

2016 2nd World Congress on Controversies in Breast Cancer, September 8-11, Barcelona, Spain

2016 ESMO Immuno-Oncology Symposium, Lausanne, Switzerland

2017 Gulf Educational Tour: Emirates, Qatar and Bahrain

2017 Vienna, 2017 St Gallen Early Breast Cancer Conference

2017 ESMO 2017 Meeting, Madrid, Spain

2017 SMEO Scientific Congress, Queretaro , Mexico

2017 ESMO Immuno-Oncology meeting, Geneve, Switzerland

2018 ESMO Immuno-Oncology meeting, Geneve, Switzerland

2019 ESMO Immuno-Oncology meeting, Geneve, Switzerland

2019 American Association for Cancer Research

2019 AACR-NCI-EORTC International Conference on Molecular Targets and Cancer Therapeutics

2019 American Society of Clinical Oncology

2020 American Society of Clinical Oncology

2021 American Society of Clinical Oncology

2018 Korean Society of Medical Oncology

2019 Korean Society of Medical Oncology

2020 Korean Society of Medical Oncology

2021 Korean Society of Medical Oncology

2018 Japanese Society of Medical Oncology

2019 Japanese Society of Medical Oncology

2020 Japanese Society of Medical Oncology

2021 Japanese Society of Medical Oncology

2018 San Antonio Breast Cancer Symposium

2019 San Antonio Breast Cancer Symposium

2020 San Antonio Breast Cancer Symposium, USA

2021 San Antonio Breast Cancer Symposium, USA

2019 ESMO Targeted Anticancer Therapies Virtual Congress, Paris

2020 ESMO Targeted Anticancer Therapies Virtual Congress, Paris

2021 ESMO Targeted Anticancer Therapies Virtual Congress, Paris

2021 Plenary lecture at Korean Society of Medical Oncology, Seoul

- 2021 Plenary Lecture on Metastatic Breast Cancer, EOS Annual Conference 2021, Dubai, Emirates
- 2021 Plenary Lecture on Immunotherapy beyond triple negative breast cancer, San Antonio Breast cancer Symposium
- 2022 Honorary Chair, ESMO Breast Cancer, Berlin May 2022
- 2022 ASCO 2022, Educational Session Metastatic Breast Cancer
- 2022 ESMO 2022, Paris, Educational Session Metastatic Breast Cancer
- 2022 San Antonio Breast Cancer Symposium, Educational Session on HER2 low metastatic breast cancer
- 2023 Scientific Chair, San Gallen Early Breast Cancer Symposium, March 2023, Vienna, Austria

BIOGRAPHICAL SKETCH

Giuseppe Curigliano, MD, PhD, is Chair of the Division of Early Drug Development at European Institute of Oncology, in Milan, Italy, where besides his clinical work. He is a clinician and researcher specializing in breast cancer. He is professor of Medical Oncology at University of Milano. Dr. Curigliano earned his MD at the Università Cattolica del Sacro Cuore, in Rome, Italy. He also holds a PhD in clinical pharmacology from the University of Pisa. He completed his postdoctoral fellowship in South Carolina Medical School, Charleston (1993-1994) working on clinical immunology studies in solid tumors. He moved to the Comprehensive Cancer Center at Columbia University in New York City, NY, USA (1995-96). This working experience was concentrated on molecular epidemiology studies related to carcinogen-DNA adducts, susceptibility genes characterization in solid tumors; gene-environment interactions and development of monoclonal antibodies for carcinogen DNA-adducts detection. He moved to the European Institute of Oncology in 1999. He applied to clinical research his strong basic science background leading several translational research protocols on breast and urogenital cancer. He was committed for 3 years in the phase I unit, contributing to successful development of several targeted agents and cytotoxics. Since 2001 he is assistant professor of Clinical Pharmacology at University of Milan. In 2010 he visited Dana Farber Cancer Institute, Harvard Medical School, Boston, USA. He is co-chair of Division of Clinical Oncology

coordinating clinical and comprehensive management of patients with all solid tumors (lung, gastrointestinal, urogenital, breast, soft tissue sarcomas and rare tumors). His clinical experience is based on a daily clinical management of patients with solid tumors, within a comprehensive cancer center accepting every year at least 85.000 first diagnosis patients. He practice in the in patient, out patient and day hospital setting. He served for 3 years on emergency an palliative care section of the Division. He is an active member of the American Society of Clinical Oncology (ASCO), the European Society of Medical Oncology (ESMO) and the Associazione Italiana di Oncologia Medica (AIOM). He is founding member of/and scientific coordinator for the International Cardio-Oncology Society (ICOS). He serves on the Clinical Research Committee of the AIOM. He serves as faculty member in the European School of Oncology (ESO). He is member of the Scientific Advisory Committee of the International Breast Cancer Study Group (IBCSG) and of the Breast International Group (BIG). He is ESMO and ESO Faculty Member for Breast Cancer. He served on the Program Scientific Committee of ESMO 2012 and 2013. He served on the Program Scientific Committee of the St Gallen conference 2009, 2011 and 2013 as scientific secretary. Since October 2011 to May 2012 he served as a Susan G. Komen for the Cure Scholar. He served on the Program Scientific and Executive Committees of the IMPAKT Breast Cancer Conference 2013.

Dr. Curigliano's research experiences include principle or coinvestigator work in several phase I-II clinical trials with targeted agents, cytotoxic and endocrine agents in breast cancer. He has been also involved as principal investigator in several phase I studies with peptide vaccines for breast cancer (either in the adjuvant either in the metastatic setting). Dr Curigliano's research interests include the biology of breast cancer, predictive markers of response to therapy and new anti-cancer agents. He is the coordinator of a research platform on new drug development in breast cancer at European Institute of Oncology. Dr. Curigliano has written widely on oncology, including articles in the Journal of Clinical Oncology, Annals of Oncology, European Journal of Cancer (more than 500 peer reviewed article, most of them as first and last author) and several book chapters. He also reviews for a number of journals, including the Journal of Clinical Oncology, Annals of Oncology, the Journal of the National Cancer Institute, the European Journal of Cancer and many other "breast oriented journals". He is member of the editorial board of Annals of Oncology, Journal of Clinical Oncology. He is associate editor of European Journal of Cancer and Co Editor in Chief of Cancer Treatment Reviews and The Breast. Prof Curigliano serves on the Executive Committee of EUSOMA

(European Society of Breast Cancer Specialists) and was elected as member of the ESMO Nominating Committee in 2017. In 2018 he covered the role of Chair of the Scientific Council for the Lega Italiana Lotta ai Tumori, for which now serves in the Executive Committee. Since January 2019 he is the Chair of the ESMO Guidelines Committee. In 2019 he was nominated by the Italian Ministry of Health as one of the 30 members of the National Health Advisory Council.

Milan, 28.12.2022

Dr. Giuseppe Curigliano has conducted clinical trials according to ICH / GCP. Last training on June 20th 2017

Authorizing the processing of personal data as defined by D. Decree Law 196/2003.

A handwritten signature in black ink, appearing to read 'Giuseppe Curigliano', with a large, sweeping flourish at the end.