

2/12/2020

## CURRICULUM VITAE

**Massimo Cristofanilli, M.D., F.A.C.P.**

### PRESENT TITLE AND AFFILIATION

#### Primary Appointment

Professor of Medicine, Department of Hematology & Oncology (start date 8/31/2015)  
Associate Director of Translational Research and Precision Medicine  
Director of the OncoSET Precision Medicine Program  
Robert H Lurie Comprehensive Cancer Center  
Feinberg School of Medicine

#### Dual/Joint/Adjunct Appointment

The University of Texas, M D Anderson Cancer Center-4/10-8/10  
Adjunct Professor, Temple University College of Science and Technology, Dept. of Biology-2011-2015

### CITIZENSHIP

U.S./Italy

### OFFICE ADDRESS

Robert H Lurie Comprehensive Cancer Center  
710 North Fairbanks Court-Suite 8-250A  
Chicago, IL 60611  
Phone: 3125035488  
Email: [Massimo.Cristofanilli@nm.org](mailto:Massimo.Cristofanilli@nm.org)

### EDUCATION

#### Degree-Granting Education

University La Sapienza, Rome, Italy, MD, 1986, Medicine

#### Postgraduate Training

Fellowship, Medical Oncology, Oncology Certification with Honors, University La Sapienza, Rome, Italy, 12/1986–11/1990

Fellowship, Clinical Pathology (not completed), University La Sapienza, Rome, Italy, 1/1991–1/1993

Internship, Internal Medicine, Cabrini Medical Center, New York, NY, A. Taranta, MD, 7/1993–6/1994

Resident (PGY-2), Internal Medicine, Cabrini Medical Center, New York, NY, W. Talavera, MD, 7/1994–6/1995

Elective Rotation, Medical Oncology, Memorial Sloan Kettering Cancer Center, New York, NY, A.Surbone, MD, 1/1995–6/1995

Chief Resident, Internal Medicine, Cabrini Medical Center, New York, NY, W. Talavera, MD, 7/1995–6/1996

Elective Rotation, Hematology, Memorial Sloan Kettering Cancer Center, New York, NY, L. Gee, MD, 5/1996

Fellowship, Medical Oncology, The University of Texas M. D. Anderson Cancer Center, Houston, TX, Richard Pazdur, MD, 7/1996–6/1998

Methods in Clinical Research 4th Annual Workshop, The University of Texas M. D. Anderson Cancer Center, Vail, CO, 7/1999–8/1999

Program for Chiefs of Clinical Services, Harvard School of Public Health, Boston, MA, 1/2012

## **CREDENTIALS**

### **Board Certification**

Italian Certification in Medical Oncology (cum Laude), 1990

American Board of Internal Medicine, Certification, 1996–2006

European Society for Medical Oncology, Certification, 1999, Recertification Date: 2004

American Board of Medical Oncology, 1999

Recertification Medical Oncology, 2010-2020

### **Licensures**

#### **Active**

IL, 336.100606

#### **Inactive**

IN, 01046660A, 5/2003

TX, K4032, 1/2006–5/2010

PA, MD439722, 4/2010-12/2014

## **EXPERIENCE/SERVICE**

### **Academic Appointments**

Assistant Professor, Department of Breast Medical Oncology, Division of Cancer Medicine, The University of Texas M. D. Anderson Cancer Center, Houston, TX, 7/1998–8/2003

Associate Professor, Department of Breast Medical Oncology, Division of Cancer Medicine, The University of Texas M. D. Anderson Cancer Center, Houston, TX, 9/2003–2009

Professor of Medical Oncology, Fox Chase Cancer Center, Philadelphia, PA 1/2010-12/2012

Professor of Medical Oncology, Thomas Jefferson University/Kimmel Cancer Center, Philadelphia, PA 1/2013-8/2015

Professor of Medicine, Department of Medicine, Division Hematology & Oncology, RH Lurie Comprehensive Cancer Center, Northwestern University, Chicago, IL 9/2015-Present

### **Administrative Appointments/Responsibilities**

Junior Faculty Associate (JFA), Department of Breast Medical Oncology, Division of Cancer Medicine, The University of Texas M. D. Anderson Cancer Center, Houston, TX, 1/1998–6/1998

Director, Morgan Welch Inflammatory Breast Cancer Research Program and Clinic, Division of Cancer Medicine, The University of Texas M. D. Anderson Cancer Center, Houston, TX, 10/2007–2009

Chairman, Department of Medical Oncology, Fox Chase Cancer Center, Philadelphia, PA 1/2010-5/2012

Leader, Breast Service Line, Fox Chase Cancer Center, Philadelphia, PA 1/2010-12/2012t

Associate Cancer Center Director for Clinical Research, Fox Chase Cancer Center, Philadelphia, PA 1/2010-11/2011

Co-Leader, CCSG Women's Cancer Program, Fox Chase Cancer Center, Philadelphia, PA 1/2010-5/2012

Executive Director and Founder of the Circulating Tumor Cells (CTCs) Center of Excellence- 12/2011-12/2012

Director of Translational Science, Cancer Genome Institute, Fox Chase Cancer Center, 5/2012-12/2012

Deputy Director of Translational Research, TJUH-KCC, 1/2013-8/2015

Director of the Breast Center and Medical Oncology Program, TJUH-KCC, 1/2013-8/2015

Director of the STAR Precision Medicine Program with India, 11/2014 –8/2015  
Associate Director of Translational Research: 9/15-present  
Director of the Robert Lurie Cancer Center OncoSet Precision Medicine Program: 9/15-present  
President of the Inflammatory Breast Cancer International Consortium: 7/15-present  
Associate Director of Clinical Research (*ad interim*): 4/16-9/16  
Director of the Breast Disease Team: 4/17-present  
President of the International Society of Liquid Biopsy (ISLB): 9/18-present  
Chair of the Oversight Committee of the Precision Medicine Exchange Consortium (PMEC): 9/2017-  
Current

### **Other Appointments/Responsibilities**

Attending Physician, Villa Margherita, Hospital, Rome, Italy, 4/1988–5/1993  
Medical Oncology, Voluntary Service, University La Sapienza, Rome, Italy, 12/1990–5/1993

### **Endowed Positions**

G. Morris Dorrance Jr. Endowed Chair in Medical Oncology Fox Chase Cancer Center, Philadelphia, PA  
1/2010-12/2012

### **Consultantship**

Dompe Pharmaceutical, 6/2010-12/17 (Advisory Board)  
Alere dx: 1/2010-12/2013  
Agendia : 9/2014 to 8/15  
Nanostrings: 10/2014 to 12/2015  
AstraZeneca Pharmaceuticals, Consultant, 1/2009–12/2010  
Merck, Breast Tumor Strategy Committee, 2/2009–12/2012  
Merch- Chair Breast DMC 9/26/16-current  
EMD Serono, Houston, Consultant, 5/2009–5/2010  
Foundation Medicine 04/12-3/13  
Newomics 6/12-12/17 (Advisory Board)  
Vortex 6/16- 2/18 (Chair Scientific Advisory Board)  
G1 Therapeutics, Consultant, 6/2017-current  
Merus 8/17-12/18 Consultant  
Zeno Pharmaceutical: 9/17-10/18: Consultant  
Novartis Pharmaceutical: 10/17-12/18: consultant  
CytoDyn: 9/18-current (advisory Board)  
AZ- Chair IDMC-CAPItello study- 5/19-current

### **Military or Other Governmental Service**

N/A

### **Institutional Committee Activities**

Pharmacy and Therapeutics Subcommittee, Representative, The University of Texas, M D Anderson  
Cancer Center, 1998–2001

Clinical Research Committee (CRC), Representative, The University of Texas, M D Anderson Cancer Center, 2002–2004

Study Section Review Committee for Basic Research Projects under the Institutional Research Grants Program, Representative, The University of Texas, M D Anderson Cancer Center, 2002–2005

Phase I Research Working Group, Representative, The University of Texas, M D Anderson Cancer Center, 2003–2005

Breast Cancer Tissue Bank Committee, Member, The University of Texas, M D Anderson Cancer Center, 2003–2005

Preclinical Working Group, Member, The University of Texas, M D Anderson Cancer Center, 2004–2005

Institutional Research Grant (IRG) Review Panel, Member, The University of Texas, M D Anderson Cancer Center, 2004–2006

Clinical Research Subcommittee for Faculty Achievement Award, Member, The University of Texas, M D Anderson Cancer Center, 1/2004–12/2004

Clinical Research Committee (CRC 1), Member, The University of Texas, M D Anderson Cancer Center, 1/2006–9/2009

Selection Committee for the 3<sup>rd</sup> AACR Outstanding Investigator Award for Breast Cancer Research, 2010

Executive Committee of Staff (ECOS), Member, Fox Chase Cancer Center, 2010–2012

Executive Committee of Research (ECOR), Member, Fox Chase Cancer Center, 2010 – 2012

Clinical Council, Member, Fox Chase Cancer Center, 2010 – 2012

Faculty Practice Plan Executive Council, Member, Fox Chase Cancer Center, 2010 – 2012

Revenue Enhancement Committee, Fox Chase Cancer Center 2010 – 2012

Integrative Care Initiative Committee, Fox Chase Cancer Center 2011 – 2012

Corporate Agenda Planning Committee, Fox Chase Cancer Center 2011 – 2012

Metastatic Breast Cancer Working Group, WCP at the Fox Chase Cancer Center 2011 –10/2012

Clinical Research Task Force, Leader, Fox Chase Cancer Center, 2011 – 2012

Clinical Research Committee- Fox Chase Cancer Center- 2/2010-12/2012

Executive Leadership Committee-Kimmel Cancer Center: 2013-2015

Comprehensive Status Program- KCC; 2014-2015

Executive Leadership Committee-Robert Lurie Cancer Center-9-15-current

CRO Governance Committee-RLCC: 9/15-current

Cancer Center Executive Council-RLCC: 9/15-current

Member of the Quantitative and Data Science Core Advisory Committee

Member of the Proteomic Core Advisory Committee

### **Extramural Activities**

Funder of the IBC International Consortium (IBC-IC)

Chair of the Precision Medicine Exchange Consortium (PMEC) Oversight Committee: 9/17-Present

President of the IBC-IC

Chair of the Admission Committee of the International Society of Liquid Biopsy (ISLB): 8/17-Present

President of the International Society of Liquid Biopsy: 8/18-Present

ODAC-FDA Committee-Standing Membership: 7/2018-current  
Chair of the Merck Breast DMC- 10/2018-Present  
G1 Therapeutic Steering Committee: 5/18-present  
Sermonix- Steering Committee: 5/19-present  
AZ- Chair IDMC-CAPitello study- 5/19-current

## **PROFESSIONAL MEMBERSHIPS/ACTIVITIES**

### **Professional Society Activities, with Offices Held**

#### **National and International**

Italian Association of Medical Oncology, Italy

Member, 1987–present

Italian Society of Immunology, Oncologic Embriology, Italy

Member, 1987–1993

Italian Society of Palliative Care, Italy

Member, 1990–1993

European Association of Cancer Research (EACR), United Kingdom

Member, 1998–present

International Society of Preventative Oncology, United Kingdom

Member, 1998–2002

American Association for Cancer Research (AACR), PA

Member, 1999–present

American Society of Clinical Oncology (ASCO), VA

Member, 2000–present

American Society of Surgical Oncology (ASSOG) Group, TX

Member, 2000–present

European Society Medical Oncology (ESMO), Switzerland

Member, 2000–present

European Society of Breast Imaging, Austria

Member, 2000–present

Southwest Oncology Group (SWOG), MI

Member, 2000–2010

American Society of Gene Therapy, WI

Member, 2003–2009

American Society of Breast Disease

Member, 2005–present

Eastern Cancer Cooperative Group (ECOG)- Breast Committee

Member 2010-present

The Biomarkers Consortium  
Foundation for the National Institutes of Health (NIH) - Member  
2009-present  
AAAS member 2012-2019  
ASCO Biomarkers Expert Panel-Member 2012-2013  
American Council of Science and Health-Advisory Board Member, 3/17-Present  
International Society of Liquid Biopsy- Chair Nominating Committee-4/17-Present

## **HONORS AND AWARDS**

Clinical Appreciation Certificate for significant clinical skills course, New York Medical College, 1996  
Clinical Fellow Research Award, The University of Texas M. D. Anderson Cancer Center, 1998  
Fellow, American College of Physician (FACP), 2003  
Outstanding Educator, The University of Texas M. D. Anderson Cancer Center, 2003  
“Cavaliere del Lavoro” (Knight of the Italian Republic) for outstanding scientific contribution- Italian Republic- 2006  
Distinguished Alumnus Award, The University of Texas M. D. Anderson Cancer Center, 2008  
US News & World Report- Best Doctor- 2009-present  
ASCO 2011 Humanitarian Award Finalist  
Philadelphia Magazine Best Doctor-2012  
Giovanni Giacomo Giordano NIAF Lifetime Achievement Award for Ethics and Creativity in Medical Research-2012  
Scientific Research Award, American Cancer Society, Southeast Region – 10-2012  
3<sup>rd</sup> Annual Jamie Brooke Lieberman Remembrance Award- Philadelphia 2015  
IBC Foundation Impact Award, Chicago 2016  
2017 Morgan Welch Inflammatory Breast Cancer Ambassador Award, Houston, 2017  
BJ Club-Best Breast Cancer Scientific Paper 2016- March 10-11, 2017, Naples

## **RESEARCH**

### **Grants and Contracts (past 5 years)**

#### **FUNDED**

Program Leader, 2.0 months, Comprehensive Cancer Center Program at Fox Chase P30 CA006927  
9/2011 – 06/30/2014

Co-Program Leader, 2.4 months, Novel targets for treatment and detection of inflammatory breast cancer,  
KGO71287, Susan G. Komen Breast Cancer Foundation, PI - Robertson, 3/1/2008–2/28/2013,  
\$7,500,000 (\$1,500,000/year)

Principal Investigator, 0.6 months, Human breast cancer stem cell surrogates, 1 R01 CA138239-02,  
NIH/NCI, 9/25/2008–7/31/2013, \$465,744 (\$93,028/year)

Co-Investigator, 0.12 months, Eradication of breast cancer minimal residual disease with a  
bisphosphonate and a COX-2 inhibitor, NIH/NCI, PI - Lucci, 12/1/2009–11/30/2014, \$1,737,500  
(\$347,500/year)

Collaborative Research Agreement 11/30/15 – 11/29/17

Falk Foundation Grant (PI: Richard Pestell)

Targeting CCR5 in Cancer Treatment

The goal of this project is to test a combination of CCR5-inhibitor combined with chemotherapy.

Role: PI

## ACTIVE

P30CA060553 (Platanias) 09/01/13-07/31/18

NIH/NCI

The Robert H. Lurie Comprehensive Cancer Center

Role: Associate Director, Precision Medicine and Translational Science

P30CA060553 (Platanias) 09/01/13-07/31/18

NIH/NCI

The Robert H. Lurie Comprehensive Cancer Center

Career Development Funds

Role: Career Development Awardee

R01CA207468 (Yang)

NIH

09/01/17-08/31/22

A population-based approach to single CTC analysis in metastatic breast cancer outcome

Role: Sub-PI

1UG3OD023189-01 (Greenland/Ahsan/Winn/Daviglus) 07/06/16 - 12/31/21

NIH/Office of Director

Illinois Precision Medicine Consortium (IPMC)

This is a collaborative multi-PI, multi-site application from the Illinois Precision Medicine Consortium to serve as a Precision Medicine Initiative Cohort Program healthcare provider organization (HPO)

Enrollment Center in response to RFA-PM-16-002. Role: Co-Investigator

METAVIVOR Founders Award: "Unravelling New Cytokine-Mediated Mechanisms to Enhance Response to CDK4/6 inhibition in ER+/HER2- Metastatic Breast Cancer" 2/20-1/2023. Role: PI

## COMPLETED:

**Co-Program Leader: Cynvenio Biosystems Inc. SBIR Phase II Topic 293:** Developing predictive biomarkers in metastatic breast cancer using liquid biopsy. HHSN261201300073C. 08/27/14-8/26/15; \$30,500. (0.12 calendar)

**DOD-DARPA(Tang):** Study of a Newly Discovered Immune Cell in the Blood and Evaluation of Its Potential Medical Applications. Sub from Creatv Microtech, Inc. 7/15/14-7/14/16. \$48,000. (0.48 calendar)

**NIH(Tang).** Circulating Giant Macrophages in MBC: a novel prognostic biomarker of metastasis. Sub from Creatv MicroTech, Inc. 12/01/14-11/30/15. (.6 calendar).

**NIH (Shih):** Low Cost Blood Molecular Malignancy Test to Detect Recurrences of Breast Cancer. Sub from Lenima. 4/1/15-3/31/16. (1.2 calendar).

Co-Investigator, 0.6 months, Assessing drug response and prognosis in breast cancer using AAVP-based targeted molecular-genetic imaging, Department of Defense (DOD), PI - Arap/Pasqualini, 6/1/2009–6/30/2014, \$6,939,285 (\$1,387,857/year)

Co-Investigator, 0.6 months, Bioengineering and clinical applications of circulating tumor cell chip, The General Hospital Corporation, PI - Herbst, 8/1/2009–7/31/2011, \$1,800,000 (\$450,000/year)

Collaborator, 0.6 months, Gene expression signature of early breast cancer, no cost extension, CA84978-01A1, NIH, PI - Aldaz, 4/6/2001–3/31/2006, \$4,666,942 (\$1,166,735/year)

Collaborator, 0.6 months, Novel technologies for mapping vascular diversity of human cancer, no cost extension, R33 CA103030-01, NIH/NCI, PI - Arap, 3/15/2004–2/28/2007, \$450,537 (\$150,179/year)

Collaborator, 0.6 months, Spousal relationships and pain in metastatic breast cancer, no cost extension, W81XWH-04-1-0425-02, Department of Defense (DOD) U.S. Army Medical Research and Material Command Congressionally Directed Medical Research Programs, PI - Badr, 8/25/2004–9/24/2007, \$404,892 (\$134,964/year)

Collaborator, Regulatory roles for vascular peptidases in angiogenesis, no cost extension, HL081658, NIH/NCI, PI - Pasqualini, 8/1/2005–7/31/2009, \$250,000 (\$50,000/year)

Principal Investigator, 0.12 months, Creation of the rare and aggressive breast cancer, no cost extension, State of Texas, 9/1/2007–8/31/2011, \$4,000,000 (\$2,000,000/year)

Principal Investigator, 0.6 months, Magnetic resonance imaging (MRI) for evaluation of clinical response to induction chemotherapy in breast cancer, CS00-098-1, Susan G. Komen Breast Cancer Foundation, 12/30/1999–6/30/2005, \$244,300 (\$48,860/year)

Collaborator, 0.6 months, The prospective validation of soluble isoforms of ErbB2 (p105-sErB2) and EGFR (110kD-sEGFR) as serum markers of efficacy in hormone sensitive postmenopausal women with metastatic breast cancer treated with either anastrozole alone or in combination with ZD1839 (IRESSA), CA096300005, PRCC/MDACC, PI - Cora, 8/16/2002–7/31/2007, \$30,000 (\$30,000/year)

Principal Investigator, 0.6 months, Phase II trial of depsipeptide in metastatic breast cancer, CA 70172, NCI/CTEP-U01, 8/1/2005–7/31/2007, \$50,000 (\$25,000/year)

Principal Investigator, 0.12 months, First international inflammatory breast cancer conference, 1R13 00451843, NIH/NCI, 12/5/2008–2/28/2010, \$6,450 (\$6,450/year)

Principal Investigator, 0.12 months, Development of Gamma-Secretase inhibitor (R4733) in inflammatory breast cancer, Hoffman-LaRoche, 2/1/2009–1/31/2010, \$75,504 (\$75,504/year)

Program Leader, 2.0 months, Comprehensive Cancer Center Program at Fox Chase P30 CA006927 10/2005 – 06/30/2011

Principal Investigator, 0.12 months, Human breast cancer stem cell surrogates, NCI-APRC 3R01CA138239-02S1, NIH/NCI, 9/30/2009–9/29/2011, \$537,966 (\$268,983/year)

## **PROTOCOL/contracts**

**NU16B06:** Blood-based prognostic biomarkers of Breast Cancer patients

**NU-16B14:** I-CURE-1: A phase II, multicenter, single arm study of pembrolizumab combined with carboplatin in patients with circulating tumor cells (CTCs) positive metastatic breast cancer (MBC);

**NU16B09:** A Phase II, open-label study to evaluate denosumab in patients with ER and/or PR positive, HER2 negative metastatic breast cancer (MBC) with bone metastases and detectable circulating tumor cells (CTCs)



**NU15B01:** A single arm, Phase II study evaluating the efficacy and safety of MED14736 in combination with tremelimumab in patients with metastatic HER2 negative breast cancer

**NUDF17B11:** Palbociclib after CDK and endocrine therapy (PACE): A randomized Phase 2 study of fulvestrant: Palbociclib and Avelumab for endocrine-retreated ER+/HER2 – MBC

**NU18B04:** MONARCH-PRECISION PROGRAM : A Prospective, Multicenter, Randomized, Open Label, Phase II study of Abemaciclib combined with fulvestrant vs. abemaciclib in patients with molecularly defined subtypes of hormone-receptor positive (HR+), HER-2 negative MBC

**DRUG CD07\_TNBC:** A Phase Ib/II Study of Leronlimab (PRO 140) Combined with Carboplatin in Patients with CCR5+ Metastatic Triple-Negative Breast Cancer (mTNBC)

**DRUG DCC-2036-01-003:** An Open-Label, Multicenter, Phase 1b/2 Study of Rebastinib (DCC-2036) in Combination with Paclitaxel to Assess Safety, Tolerability, and Pharmacokinetics in Patients with Advanced or Metastatic Solid Tumors

**NUDB 16Z01:** The OncoSET Program Database and Biobank - Combining Clinical Outcomes with Next Generation Sequencing and other Advanced Molecular Testing for Genetic Aberrations in Patients with Advanced Solid Malignancies

### **Funded/Completed**

Principal Investigator, Multimodality approach in the treatment of inflammatory breast carcinoma (IBC), DM98-087, 1999–2000, \$180,000 (\$180,000/year), Bristol Myers Squibb

Principal Investigator, Phase II study of RFS 2000 (9-Nitro-Camptothecin) in recurrent metastatic breast cancer, DM99-235, 1999–2005, \$172,000 (\$34,400/year), SuperGen, Inc.

Principal Investigator, Isolation and enumeration of malignant cells from the peripheral blood of patients with advanced breast cancer, ID99-391, 2001–2003, \$374,940 (\$187,470/year), Immunicon

Principal Investigator (Investigator-initiated), Phase II single arm, single institution clinical trial of Docetaxel and Doxorubicin in combination with local administration of AD5CMV-p53 (RPR/INGN 201) in locally advanced breast cancer, ID00-008, 2001–2005, \$540,000 (\$180,000/year), Introgen Therapeutics, Inc.

Principal Investigator (Investigator-initiated), Phase II trial of PS-341 in metastatic breast cancer, ID00-308, 2002–2003, \$25,000 (\$25,000/year), NCI/CTEP, Translational Research Fund (TRF)

Principal Investigator, Tc99-EC-Annexin-V for imaging of apoptosis: A bio-distribution study in primary breast cancer, ID-02-732, 2002–2003, \$130,865 (\$130,865/year), CellPoint, LCC

Principal Investigator (Investigator-initiated), Phase II trial of STI571 in metastatic breast cancer, ID01-691, 2003–2004, \$75,000 (\$75,000/year), NCI/CTEP, Translational Research Fund (TRF)

Principal Investigator, International stage IV stratification study (ISSS): Prospective validation trial of circulating tumor cells (CTCs) as prognostic and predictive markers in women with metastatic breast cancer about to start first-line treatment, 2005-0278, 2004–2005, \$200,000 (\$200,000/year), Veridex, LLC

Principal Investigator (Investigator-initiated), Phase II multicenter, double blind, randomized trial comparing anastrozole (ZD1033), ARIMIDEX™ placebo to the combination Anastrozole ZD1839 (Gefitinib, Iressa™) in postmenopausal patients with estrogen receptor (ER) and/or progesterone receptor (PGR), 2003-0587, 2004–2007, \$308,060 (\$308,060/year), AstraZeneca

Principal Investigator, A multicenter, open label, phase II study to evaluate the efficacy, safety and pharmacodynamics of lapatinib in patients with relapsed or refractory inflammatory breast cancer, 2004-0831, 2005–2008, \$237,556 (\$79,185/year), GlaxoSmithKline

Principal Investigator, A randomized, multicenter, phase III study comparing the combination of Pazopanib and Lapatinib versus Lapatinib monotherapy in patients with ErbB2 overexpressing inflammatory breast cancer, 2007-0448, 2007–2009, GlaxoSmithKline

Principal Investigator (Investigator-initiated), A phase I-II study of R115777 (Tipifarnib, Zarnestra) plus sequential weekly paclitaxel followed by dose-dense doxorubicin and cyclophosphamide in patients with stage IIB-IIIC breast cancer, 2007-0766, 2008–2009, \$52,101 (\$52,101/year), NCI/CTEP

Principal Investigator (Investigator-initiated), A phase II study of neoadjuvant Lapatinib plus chemotherapy (sequential FEC75 and paclitaxel) in women with inflammatory breast cancer whose tumors overexpress ErbB2 (Her2/neu), 2007-0818, 2008–2010, \$497,701 (\$248,850/year)

Principal Investigator, Determination of HER2 tumor status by circulating tumor cell (CTC) analysis, LAB06-0975, 2008–2010, \$39,306 (\$19,653/year), Genentech

Principal Investigator (Investigator-initiated), Prospective trial of circulating tumor cells by a polymerase chain reaction based technique (AdnaGen Breast Test) in women with high-risk locally advanced breast cancer that have completed neoadjuvant and local therapy, LAB08-0159, 2012, Alere

Principal Investigator. A Phase II, Randomised, Double-blind, Placebo-controlled, Multi-centre Study to Assess the Efficacy and Safety of AZD8931 in Combination with Anastrozole, Compared to Anastrozole alone, in Post-menopausal Women with Hormone Receptor-positive, Endocrine Therapy-Naïve, Locally-advanced or Metastatic Breast Cancer (MINT)., 2012-AZ

Principal Investigator. An open label multicenter phase 2 window of opportunity study evaluating ganetespib (STA-9090) monotherapy in women with previously untreated metastatic HER-2 positive or triple negative breast cancer, 2012, Synta

Principal Investigator (Investigator-initiated). A Phase 1/2 Study of Romidepsin in Combination with Abraxane in Patients with HER-2 neg, Metastatic Inflammatory Breast Cancer (IBC)- 2012- Celgene Corporation

Sub-investigator. IRB-11007: A Phase I, Multicenter, Open-Label Dose Escalation Study of LDK378, Administered Orally In Adult Patients with Tumors Characterized by Genetic Abnormalities In Anaplastic Lymphoma Kinase (ALK)- 2011-2012-Novartis

Principal investigator (Investigator-initiated). IRB 10-826: prospective collection of Tumor specimens for the establishment of Inflammatory Breast Cancer (IBC) cell lines. Susan Komen Foundation

Principal investigator (Investigator-initiated): NU16B06: Blood-based prognostic biomarkers of Breast Cancer patients (OncoSET Program)

Principal investigator (Investigator-initiated).NU-16B14: I-CURE-1: A phase II, multicenter, single arm study of pembrolizumab combined with carboplatin in patients with circulating tumor cells (CTCs) positive metastatic breast cancer (MBC)-Merck

Principal investigator (Investigator-initiated).NU16B09: A Phase II, open-label study to evaluate denosumab in patients with ER and/or PR positive, HER2 negative metastatic breast cancer (MBC) with bone metastases and detectable circulating tumor cells (CTCs)-Amgen

Principal investigator (Investigator-initiated).NU16B07: A Phase 2 window-of opportunity trial of ipilimumab and nivolumab in metastatic, recurrent HER2- inflammatory breast cancer (IBC). The WIN TRIAL-BMS

Principal investigator (Investigator-initiated).NU16B: I-TARGET IBC: A prospective, single arm, Phase 2 study of nab-paclitaxel (abraxane) combined with alpelisib BYL719 following anthracycline-based regimen in patients with primary HER-2-IBC-Novartis

Principal investigator (Investigator-initiated) NU17: I-STOP: A Phase Ib-II, multicenter, single arm study of Maraviroc combined with carboplatin in patients with CCR5+ triple negative metastatic breast cancer (MBC)-CytoDyn

### **Unfunded by Peer Review Grant (supported by Texas State Grant)**

Principal Investigator, Inflammatory breast cancer (IBC) registry, 2006-1072, 2007–2009

### **Patents and Technology Licenses**

## Patents

- Immunivest Corp., Allard JW, Cristofanilli M, Terstappen LWMM. Circulating cancer cells: Early assessment of time to progression survival and response to therapy in metastatic breast cancer, United States, 60/450,519, 10/9/2004, Issued
- The Scripps Research Institute, Blixt O, Cristofanilli M, Huflejt ME. Detection, prevention and treatment of breast cancer, United States, 60/629,666, 11/12/2004, Issued
- Board of Regents, The University of Texas System co-owns with Introgen Therapeutics, Inc., Cristofanilli M, Krishnamurthy S, Menander K, Hortobagyi GN. Cancer immunotherapy incorporating p53, United States, 60/628,990, 11/17/2004, Issued
- Board of Regents, The University of Texas System, Cristofanilli, Mani, Reuben. Detecting EMT markers for circulating cancer stem cells. International application W2011/111103 A2
- Board of Regents, The University of Texas System, Fox Chase Cancer Center, Celgene corp. Romidepsin for the reprogramming and treatment of IBC. Filed 4/12
- CCR5 as metastatic target in CTCs in TNBC, TJU-Richard Pestell.

## Technology Licenses

Co-Founder of Cirtec diagnostics (Reuben, Mani, Ravi) – pending license

## Grant Reviewer/Service on Study Sections

Italian Association for Cancer Research, Grants, Grant reviewer, 2002

Cancer Research UK, Grants, Grant reviewer, 2005

CBCRA Metastases Grant Applications - Competition, CCRA grants, Site Visitor, 2005

Italian Association for Cancer Research, Grants, Grant Reviewer, 2005

DOD-Era of Hope, Abstract Reviews, DOD, Abstract reviewer, 2005-present

NIH, Study Review Section for Minorities, Grants, Grant Reviewer, 2009-present

San Antonio Breast Cancer Symposium, Abstract Reviewer, Abstracts, Reviewer, 2009-present

The Susan G. Komen Foundation, Promise Grants, Scientific Reviewer, 2009-2010

NIH, Study Review Section, SBIR, Panel Member, 2010-present

The Susan G. Komen Foundation, 2015-current

## PUBLICATIONS (H index-87)

### Peer-Reviewed Original Research Articles

1. Cristofanilli M, Bryan WJ, Miller LL, Chang AY, Gradishar WJ, Kufe DW, Hortobagyi GN. Phase II study of adozelesin in untreated metastatic breast cancer. *Anticancer Drugs* 9:779-82, 1998.
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#### **Abstracts (past 5 years/not updated)**

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101. Anfossi S., Giodano A., Cohen EN, Gao H., Cristofanilli M. et al. Higher expression levels of circulating miR-21, MiR-19a and miR-10b are associated with high risk features in breast cancer. . San Antonio Breast Symposium December 2011.
102. Robertson FM., Chu K., Mu Z, Boley KM, Green TL, Moraes R., Zhang X, Alpaugh RK, Basby A, Ye Z, Wright MC, Liu H, Luo AZ, Barsky SH, Heise C., Cristofanilli M. Romidepsin inhibits growth and metastasis and is synergistic with paclitaxel in pre-clinical models of inflammatory breast cancer.
103. Cristofanilli M., et al. A randomized phase II study (VEG108838) of lapatinib plus pazopanib (L+P) versus lapatinib (L) in patient with ErbB2+ inflammatory breast cancer. (IBC). 2012 ASCO Annual Meeting. #531. J Clin Oncol 30, 2012(suppl; abstr 531).
104. Stork-Slods L., Yao K., Turk M, Kaul K., Weaver J., Cristofanilli M., et al. Molecular subtyping using MammPrint and Blue Print as an outcome predictor in 180 U.S. breast cancer (BC) patients. 2012 ASCO annual meeting. J Clin Oncol 30, 2012(suppl; abstr 577).
105. Alvarez R.H., Cristofanilli M., Ensor J., Lucci A., Yang Tse W., Le-Petross H.T, Limited efficacy and significant toxicities of lapatinib (Lap) plus chemotherapy as neoadjuvant therapy (NAC) for HER2-positive inflammatory breast cancer (IBC) patients (Pts). 2012 ASCO Annual Meeting. J Clin Oncol 30, 2012 (suppl;abstr594).
106. Cristofanilli M., Alpaugh KR, Ross J., Bingham C., Wu H, Stephens P, Lipson D, Palmer G. Next Generation Genomic Sequencing (NGS) Identifies Molecular Targets in Inflammatory Breast Cancer(IBC). San Antonio Breast Dec. 6; 2012.
107. Alpaugh RK., Bingham C., Fittipaldi P., Banzi M., Palmer G., Cristofanilli M. What is the Appropriate Sample (S) on which to perform sequencing for Mutational Analysis to guide the Selection of Target Therapy?. San Antonio Breast Cancer Symposium December 2012.
108. Giodano A., Reuben JM, Egleston BL, Hajage D., Hortobagyi GN, Cristofanilli M. et al. Establishment and validation of circulating tumor cell-based prognostic nomogram in 497 first-line metastatic breast cancer patients. San Antonio Breast Cancer Symposium December 2012.
109. Giodano A., Gao H., Cohen EN, Anfossi S., Hess KR, Krishnamurthy S., Tin S., Cristofanilli M. et al. Identification of cancer stem cells (CD44+CD24-/lo) in bone marrow as a prognostic factor in early breast cancer patients. San Antonio Breast Cancer Symposium December 2012.
110. Lee B-N, Arun BK, Cohen EN, Tin S., Gutierrez-Barrera AM, Miura T., Kiyokawa I, Alvarez RH, Valero V., Ueno NT, Cristofanilli M. et al. Sialyl Lewis<sup>x</sup> and Inflammatory mediators in Breast Cancer patients: Biological correlations and prognostic value. San Antonio Breast Cancer Symposium December 2012.
111. Cristofanilli M., Turk M., Kaul K., Weaver J., Wesseling J, Stork-Slouts L., de Snoo F., Yao K. Molecular subtyping improves stratification of patients into diagnostically more meaningful risk groups. San Antonio Breast Symposium December 2012.
112. Fernandez S., Aburto L, Maggi R., Breitschwerdt EB, Cristofanilli M. Bartonella Henselae infection detected in patients with inflammatory breast cancer. San Antonio Breast Symposium December 2012.
113. Robertson FM., Hibbs S., Boley KM, Chu K, Ye Z., Wright MC, Liu H., Luo AZ, Cristofanilli M. Zinc finger nuclease genome engineering reveal multiple functions of secretory leukocyte peptidase in regulating pluripotency of cancer stem cells in inflammatory breast cancer. San Antonio Breast Symposium December 2012.
114. Chu K., Boley KM, Cristofanilli M., Robertson FM. E-Cadherin is required for in vivo growth of inflammatory breast cancer: Importance of mesenchymal-epithelial transition (MET) and role of HIF1a. San Antonio Breast Symposium December 2012.
115. Anfossi S., Giordano A., Cohen EN, Gao H., Woodward W., Ueno NT, Valero V., Alvarez RH, Hortobagyi GN, Cristofanilli M. High Serum levels of miR-19a are associated with poor outcome in metastatic inflammatory breast cancer. San Antonio Breast Symposium December 2012.

116. Dong X, Franco-Barraza J., Mu Z., Alpaugh RK, Cristofanilli M., Cukierman E. A novel culturing 3-D model to evaluate the role of tumor microenvironmental in IBC. San Antonio Breast Symposium December 2012.
117. Liu H., Chu K., Ochoa AE, Ye Z, Zhang X, Jin J., Wright MC, Cristofanilli M. et al. The presence of anaplastic lymphoma kinase recapitulates formation of breast tumor emboli with encircling lymphovasculogenesis. San Antonio Breast Symposium December 2012.
118. Schott AF, Wicha M, Cristofanilli M. et al. Phase Ib pilot study to evaluate reparixin in combination with chemotherapy with weekly paclitaxel in patients with HER-2 negative metastatic breast cancer. San Antonio Breast Symposium December 2012.
119. Cristofanilli M. Inflammatory breast cancer: Diagnosis, treatment and biology. San Antonio Breast Symposium December 2013.
120. Jeelsohn RM., Yelensky R., Buchwalter G., Frampton G., Meric-Bernstam F., Cristofanilli M., et al. Emergence of constitutively active estrogen receptor mutations in advanced estrogen receptor positive breast cancer. San Antonio Breast Symposium December 2013.
121. Mego M., Karaba M., Minarik G, Benca J., Sedlackova T., Tothova L., Vikova B., Cierna Z., Janega P, Manasova D., Luha J, Gronesova P, Pechan J., Fridrichova I, Celec P., Reuben JM, Cristofanilli M. Correlation between blood markers of hemostasis and circulating tumor cells (CTC) in early breast cancer patients. San Antonio Breast Symposium December 2013.
122. Van Laere SJ., Marsan M., Vermeulen PB, Viens P, Barsky SH, Cristofanilli M., et al. Comparative expression profiling of patient samples and preclinical models of inflammatory breast cancer reveals gene signatures of epithelial plasticity and suppression of TGF $\beta$  signaling. San Antonio Breast Symposium December 2013.
123. Yao K, Turk M., Kaul K, Wesseling J., Stork-Sloots L, de Snoo F., Cristofanilli M. MammaPrint and Blueprint in early breast cancer: Clinical implications of prognostic stratification and molecular subtyping. San Antonio Breast Symposium December 2013.
124. Mu Z., Brown MV, Fernandez S., Robertson FM., Cristofanilli M. Metabolomic analysis of breast cancer cell lines: Clues to the metabolic fingerprint of inflammatory breast cancer. San Antonio Breast Symposium December 2013.
125. Hashmi S., Liu Y, Bethony J, Cristofanilli M., Levine PH. Seasonal variation in onset of inflammatory breast cancer: Evidence of an infectious trigger. San Antonio Breast Symposium December 2013.
126. Dawood S., Lei X, Dent R., Gupta S., Sirohi B., Cortes J., Cristofanilli M. et al. Survival of women with inflammatory breast cancer: A large population based study. San Antonio Breast Symposium December 2013.
127. Fernandez SV., Alpaugh RK., Aburto L., He J., Nahas M., Otto G., Stephens P., Palmer G., Cristofanilli M., Lipson D. Prevalence of propionibacterium acnes and bartonella henselae DNA in patients with inflammatory breast cancer. San Antonio Breast Symposium December 2013.
128. Chu K., Green TL, Boley KM, Cristofanilli M., Robertson FM. Histone deacetylase inhibitor suberoylanilide hydroxamic acid targets breast cancer stem cells and inhibits metastasis. San Antonio Breast Symposium December 2013.
129. Goldstein LJ, Sparano J, Perez RP, Vito C., Reuben JM, Landis MD., McCanna S., Ruffini PA, Cristofanilli M., Chang JC. A single arm, preoperative, pilot study to evaluate the safety and biological effects of orally administered reparixin in early breast cancer patients who are candidates for surgery. San Antonio Breast Symposium December 2013.
130. Turner N., Andre F., Loibl S., Ro J., Iwata H, Harbeck N., Gluck S., Verma S., Loi S, Huang Bartlett C., Thiele A., Zhang K, Koehler M, Cristofanilli M. Phase 3, multicenter, randomized, double-blind, placebo-controlled trial of fulvestrant with or without PD-0332991 (palbociclib) + goserelin in women with hormone receptor-positive, HER2 negative metastatic breast cancer (MBC) whose disease progressed after prior endocrine therapy. San Antonio Breast Symposium December 2013. San Antonio Breast Cancer Symposium December 2011.
131. Chu K, Mu Z, Alpaugh RK, Fernandez SV, Frieter EM, Wu H, Zook MB, Barsky SH, Cristofanilli M. et al. Development and Comparative characterization of metastasis in newly developed pre-clinical models of inflammatory breast cancer. San Antonio Breast Cancer Symposium December 2011.

132. Mego M., Giodano A, De Giogi U, Hsu L, Lucci A., Dawood S., Woodward WA, Ueno NT, Valero V., Andreopoulou E, Hortobagyi GN, Reuben JM, Cristofanilli M. Circulating tumor cells in newly diagnosed inflammatory breast cancer. San Antonio Breast Cancer Symposium December 2011.
133. Robertson FM, Ye Z, Chu K., Luo AZ, Wright MC, Jim J, Barsky SH, Cristofanilli M., Krishnamurthy S. Secretory Leukocyte protease inhibitor as a differential diagnostic biomarker of tumor emboli in inflammatory breast cancer. San Antonio Breast Cancer Symposium December 2011.
134. Lubbe W., Li T, Hughes M., Ottesen R., Cristofanilli M et al. Inflammatory breast cancer (IBC) in the National Comprehensive Cancer Network (NCCN): The Disease, the recurrence pattern and the outcome. San Antonio Breast Cancer Symposium December 2011.
135. Cohen EN, Gao H., Lee B-N, Giodano A., Tin S, Anfossi S., Parker CA , Cristofanilli M. et al. T-Cell cytokine production related to progression of breast cancer patients. San Antonio Breast Cancer Symposium December 2011.
136. Gao H, Cohen EN, Lee B-N, Giodano A., Tin S, Parker CA, Cristofanilli M. et al. Cytokine synthesis by activated dendritic cells in relation to disease progression in inflammatory breast cancer(IBC). San Antonio Breast Cancer Symposium December 2011.
137. Yamauchi H., Natori A. Hayashi N, Soejima K, Takahashi O, Fukui T., Nakamura S., Cristofanilli M., et al. Inflammatory breast cancer: Comparison of epidemiology, biology and prognosis between Japan and the United States a hospital based study. San Antonio Breast Cancer Symposium December 2011.
138. Boland P.M., Skabnik AP., Cristofanilli M., Alpaugh R.K., Olszanski J. Application of next-generation sequencing (NGS) for evaluation of advanced epithelial cancers:A single institution experience. 2013 ASCO Annual Meeting. J Clin Oncol 31, 2013 (suppl;abstr 11092).
139. Strauss W., Dempsey P.W, Winer-Jones J., Bingham C., Alpaugh R.K., Cristofanilli M. Classifying circulating, mutation bearing tumor cells from breast cancer patients. 2013 ASCO annual meeting. J Clin Oncol 31, 2013(suppl;abstract 580).
140. Ross J.S., Cristofanilli M., Downing S., Yelensky R., Lipson D., Otto G. Palmer G.A., et al. Use of Foundation One next-generation sequencing (NGS) assay to detect actionable alterations leading to clinical benefit of targeted therapies for relapsed and refractory breast cancer. 2013 ASCO annual meeting. J Clin Oncol 31, 2013(suppl;abstract 1009).
141. Johnston S.R.D., Basik M., Hegg R. Lausootomski W., Gzeda L., Clemons M., Crisofanilli M. et al. Phase II randomized study of the EGFR, HER2, HER3 signaling inhibitor AZD8931 in combination with anastrozole (A) in women with endocrine therapy (ET) naïve advanced breast cancer (MINT). 2013 ASCO annual meeting. J Clin Oncol 31, 2013(suppl;abstract 531).
142. Avery TP., Austin L., Andre-Sendecki J., Fouad T. M., Giordano A., Reuben JM., Jaslow R., Crisofanilli M. et al. Circulating tumor cells (CTCs) in metastatic breast cancer. Ethnicity and disease subtypes. 2014 ASCO Annual Meeting. J Clin Oncol 31, 2013(suppl;abstract e22027).
143. Austin LK., Fortina P., Sebisanoovic D., Stew L., Zapanta A., Talasaz AA., Cristofanilli M. Circulating tumor DNA (ctDNA) as a molecular monitoring tool in metastatic breast cancer (MBC). 2014 ASCO annual meeting. J Clin Oncol 31, 2013(suppl;abstract 11093).
144. Rodriguez J., Limentani K., Andre-Sendecki J., Hyslop T., Cristofanilli M., Jaslow R., Avery TP. Mitchell EP. Breast cancer in young women: A single center study. 2014 ASCO Annual Meeting. J Clin Oncol 31, 2013(suppl;abstract 595).
145. Jiang Z., Li L., Zhang S., Wang T, Liu Y., Ban L., Yang Y., Cristofanilli M. Predictive value of CTCs biomarkers status in patients with metastatic breast cancer (MBC) receiving anti-HER2 therapy. 2014 ASCO annual meeting. J Clin Oncol 31, 2013(suppl;abstract 628).
146. Lin J., Sama AR., Hoffman-Centis J., Kilpatrick D., Yang H., Mu Z., Lieby B., Lewis N., Crisofanilli M., Kelly WK. A phase I/II study of the investigational drug alisertib in combination with abiraterone and prednisone (AP) for patients with metastatic castration-resistant prostate cancer (mCRPC) progressing on abiraterone. 2014 ASCO Annual Meeting. J Clin Oncol 31, 2013(suppl;abstract TIPS5107)
147. Adams D., Bergan R., Ogden IM., Alpaugh RK., Cristofanilli M. et al. A pilot study detailing cancer-specific biomarkers in giant macrophages mimicking circulating tumor cells in the

- circulation of cancer patients. 2014 ASCO annual meeting. . J Clin Oncol 31, 2013(suppl;abstract e22015).
148. Berger AC., Guiles F, Toss A., SEndecki JA., Simone NL, Anne PR., Avery TP., Jaslow RJ., Palazzo J., Lazar MA, Tsangaris TN, Cristofanilli M. Ductal carcinoma in situ (DCIS): Ethnicity, clinical-pathologic features, and outcome. 2014 ASCO Meeting. . J Clin Oncol 31, 2013(suppl;abstract e11503).
  149. Rodriguez J, Patel S., Alpaugh RK., Palazoo J., Berger AC., Avery TP., Jaslow RJ., Anne PR., Simone NL., Tsangaris TN., Cristofanilli M. A retrospective review of clinical and pathologic aspects of inflammatory breast cancer: Clues for risk-adapted monitoring and therapy. 2014 ASCO meeting. . J Clin Oncol 31, 2013(suppl;abstract e11506).
  150. Goptu M., Doval D., Kumar K., Dewan A., Mehta A., Batra U., Dutta K., Avery TP, Jaslow RJ., Mitchell EP., Nayer A., Manavalan J., Crisofanilli M. Breast cancer in low-income countries: India as a model. 2014 ASCO annual meeting. . J Clin Oncol 31, 2013(suppl;abstract e17517).
  151. Adams D., Martin SS, Charpenter M, Chumsri S., Bergan RC. Ogden IM, Alpaugh K, Cristofanilli M, Tsai S., Makarova OV, Zhu P., Cristofanilli M., et al. A pilot study identifying cancer-associated macrophage-like cells in the blood of cancer patients. 2014 ASCO annual meeting. . J Clin Oncol 31, 2013(suppl;abstract e22014).
  152. Austin L., Fortina P., Sebisanoovic D., Siew L., Zapanta A., Schiller BJ., Mei G., Eltoukhy H., Talasaz A., Cristofanilli M. Circulating tumor DNA (ctDNA) Provides Molecular Monitoring for Inflammatory Breast Cancer (IBC). Affiliation Guardant Health Inc. San Antonio Breast Conference 2014.
  153. Adams DL., Martin SS., Chumsri S., Charpentier R., Alpaugh K., Cristofanilli M., Tang CM, Haudenschield CC. Applying a mitotic index to circulating tumor cells and its prognostic significance: A cytological approach to patient stratification. 2015 ASCO Annual Meeting J Clin Oncol 33, 2015. (sup; abstr 11029).
  154. Adams DL., Bergan RC., Martin SS., Chumsri S., Charpentier M., Rena G., Lapidus R., Alpaugh K., Cristofanilli M., Tsai S., Tang C-M, Edelman MJ. Correlation of cancer-associated macrophage-like cells with systemic therapy and pathological stage in numerous malignancies. 2015 ASCO Annual Meeting.

## Book Chapters

1. Buzdar A, Cristofanilli M, Diamandidou E. Aspetti clinici. In: Carcinoma Della Mammella. Ed(s) A Halliwell, A Buzdar, 61-70, 1999.
2. Buzdar A, Cristofanilli M, Hortobagyi GN. Carcinoma infiammatorio. In: Carcinoma Della Mammella. Ed(s) A Bonifacino, M Halliwell, A Buzdar, 296-306, 1999.
3. Buzdar A, Cristofanilli M, Pro B. Fratture patologiche. In: Carcinoma Della Mammella. Ed(s) A Bonifacino, M Halliwell, A Buzdar, 353-355, 1999.
4. Buzdar A, Cristofanilli M, Pro B. Manifestazioni del sistema nervoso centrale. In: Carcinoma Della Mammella. Ed(s) A Bonifacino, M Halliwell, A Buzdar, 347-352, 1999.
5. Buzdar A, Cristofanilli M. Terapia Endocrina. In: Carcinoma Della Mammella. Ed(s) A Bonifacino, M Halliwell, A Buzdar, 307-320, 1999.
6. Cristofanilli M, Newman L, Hortobagyi GN. Breast cancer risk and management: Chemoprevention, surgery, and surveillance. In: Breast Cancer Atlas of Clinical Oncology. Winchester Ed, 19-40, 2000.
7. Cristofanilli M, Esteva F. Occult micrometastasis in bone marrow and blood. In: Advanced Therapy of Breast Disease, 2, Chapter 48. Ed(s) SE Singletary, GL Robb, GN Hortobagyi. BC Decker Inc., 489-497, 2004.
8. Esteva FJ, Fritsche HA, Reuben JM, Cristofanilli M. Serum tumor markers and circulating tumor cells. In: M. D. Anderson Cancer Care Series: Breast Cancer, 2, Chapter 10. Ed(s) KK Hunt, GL Robb, EA Strom, NT Ueno, G Robb. Springer: New York, 309, 2007.
9. Reuben JM, Cristofanilli M. Circulating tumor cells in individualizing breast cancer. In: Pharmacogenetics of Breast Cancer: Towards the individualization of therapy. 11. Informa Healthcare: New York, 151-166, 2008.

10. Cristofanilli M. Inflammatory breast cancer: The challenges ahead. In: Breast Diseases. 20, 1. Elsevier: St. Louis, 34-35, 2009.

11. Robertson FM, Chu K, Circo R, Wulfkühle, Liotta L, Luo AZ, Boley KM, Freiter EM, Liu H, Mandal PK, McMurray JS, Cristofanilli M, Petricoin EF. Inflammatory mediators as therapeutic targets for Inflammatory Breast cancer. Springer SBM-185-206, 2012

### **Books (edited and written)**

Naoto T Ueno and Massimo Cristofanilli: “*Inflammatory Breast Cancer: An Update*” -Springer SBM NL 4-12

Massimo Cristofanilli: “*Liquid Biopsies*” – Springer, 3/17

### **Letters to the Editor**

1. Cristofanilli M, Singletary ES, Hortobagyi GN. Inflammatory breast carcinoma: The sphinx of breast cancer research. J Clin Oncol 15(22):381-383, 2004.

2. Gonzalez-Angulo A, Morandi P, Cristofanilli M. Inflammatory breast cancer and high-dose chemotherapy: Back to the past. J Clin Oncol 23(16):3859-3860, 2005.

3. Cristofanilli M, Reuben J, Uhr J. Circulating tumor cells (CTCs) in breast cancer: Fiction or reality? JCO 26(21):3656-3657, 2008. PMID:18640950.

### **Manuals, Teaching Aids, Other Teaching Publications**

N/A

### **Other Publications**

N/A

## **EDITORIAL AND REVIEW ACTIVITIES**

### **Editor/Service on Editorial Board(s)**

Contributing Editor, Breast Disease, 2004–present

Guest Editor, Seminars Oncol, 2008

Guest Editor, CA Journal for Oncologist, 2009

### **Member of Editorial Review Board**

Current Drug Discovery Technologies, Bentham Science Publishers Ltd., 2007–2010

Journal of Oncology, 2009-present

### **Journal Reviewer**

Journal Reviewer, Breast Cancer Research and Treatment, 2004–present

Journal Reviewer, Cancer, 2004–present

Journal Reviewer, Clinical Breast Cancer, 2004–present

Journal Reviewer, Clinical Cancer Research, 2004–present

Journal Reviewer, Expert Opinion in Target Therapeutics, 2004–present

Journal Reviewer, Expert Opinion in Therapeutic Patents, 2004–present

Journal Reviewer, Gynecological Endocrinology, 2004–present

Journal Reviewer, Journal of Clinical Oncology, 2004–present

Journal Reviewer, Journal of Surgical Oncology, 2004–present

Journal Reviewer, New England Journal of Medicine, 2005-present

Journal Reviewer, Nature Medicine (ad-hoc) 2006-present

Journal Reviewer, Cancer Research, 2006-present

Journal Reviewer, JAMA, 2008-present

Journal Reviewer, Lancet Oncology, 2008-present

## **TEACHING**

The University of Texas M.D. Anderson Cancer Center

Fox Chase Cancer Center

Thomas Jefferson University

Northwestern University

## **Training Programs**

Chair, Seminar in Nuclear Medicine: Gene therapy in breast cancer, The University of Texas M.D. Anderson Cancer Center, Houston, TX 4/2003

Chair, Breast Cancer Research Group Summer Retreat: Signal transduction modulation in breast cancer. Opportunities and limitations, The University of Texas M. D. Anderson Cancer Center, Houston, TX 5/2003

Co-Chair and Founder of the 1<sup>st</sup> International Conference on Inflammatory Breast Cancer, Houston, 12/08

Chair, 1<sup>st</sup> Breast Cancer Research retreat, Fox Chase Cancer Center, 10-2011

Co-Chair- 3<sup>rd</sup> International Conference on IBC, Philadelphia, 12/12

Co-Chair- 5<sup>th</sup> International Conference on IBC, Boston, 7/16

Co-Chair- 1<sup>st</sup> OncoSET Precision Medicine Conference, 4/17

Co-Chair- 2<sup>nd</sup> OncoSET Precision Medicine Conference 5/18

Co-Chair- 6<sup>th</sup> International Conference on IBC, Madrid, Spain, 9/18

Co-Chair- 3<sup>rd</sup> OncoSET Precision Medicine Conference, Chicago, April 2019

Co-Chair of the 1<sup>st</sup> North Africa IBC meeting, Tunis, September 2019

## **Other Formal Teaching**

Lecturer, Inflammatory breast cancer research program and the evolution of multidisciplinary research: Back from the future? The University of Texas M. D. Anderson Cancer Center, Houston, TX 9/2008

Lecturer, Inflammatory breast cancer: The path to personalized therapy, The University of Texas M. D. Anderson Cancer Center, Houston, TX 11/2008

## **Supervisory Teaching**

### **Committees**

### **Advisory Committees**

Betsy Plimack, Adam Cohen, Department Medical Oncology, Fox Chase Cancer Center-2010-2013

Rugang Zhang, PhD- Women Cancer Program, Fox Chase Cancer Center-2010-2013

### **Direct Supervision**

Joan Lewis-Wambi, PhD, Women Cancer Program, Fox Chase Cancer Center-2010-Present

Sandra Fernandez, PhD- IBC laboratory- Women Cancer Program, Fox Chase Cancer Center-2010-Present

Zhaomei Mu, MD - Women Cancer Program, Fox Chase Cancer Center-2010-Present

Xiasheng Dong, MD- Visiting Scientist IBC laboratory- Women Cancer Program, Fox Chase Cancer

Katherine Alpaugh, PhD- Director of the CTC Center of Excellence, Women Cancer Program, Fox Chase Cancer Center-2011-Present



Aburto Lucy, PhD, IBC Laboratory, Women Cancer Program, Fox Chase Cancer Center-2010-2012  
Benadetta Pellegrino, M.D., International Observer from Italy  
Angela Toss, M.D.- Visiting Scientist from Italy  
Giovanna Rossi MD, Visiting Scientist from Italy  
Lorenzo Gerratana MD, Visiting Scientist from Italy  
Ami Shah, Breast Cancer Junior Faculty, Luire Cancer Center  
Andrew Davis, Medical Oncology fellow, Lurie Cancer Center  
Carolina Reduzzi, Visiting Scientist from INT, Milan

### **Undergraduate and Allied Health Students**

N/A

### **Medical Students**

N/A

### **Graduate Students**

N/A

### **Postdoctoral Research Fellows**

Cohen EN, PhD, The University of Texas, MD Anderson Cancer Center, 2008-2010  
Dai Horiuchi, PhD, Northwestern University, 2017-  
Xia Lin, PhD, Northwestern University, 2017-

### **Clinical Residents and Fellows**

Research Mentor, Dr. Ana-Maria Gonzalez-Angulo, 2003–2004 (UTMDACC-Medical Oncology Fellow)  
Research Mentor, Dr. Paolo Morandi, 2003–2004 (Visiting Scientist- Vicenza Oncology Service)  
Research Mentor, Dr. Silwan Chedid, 2003–2004 (UTMDACC- Medical Oncology Fellow)  
Research Mentor, Dr. Shaheenah Dawood, 2006–2007 (Susan Komen Fellow-Dubai Hospital)  
Research Mentor, Dr. Mario Giuliano, 2009-11 (PostDoc training-University of Naples)  
Research Mentor, Dr. Antonio Giordano, 2009-current (PostDoc training-University of Naples) -  
AACR fellow award (2012), ASCO YIA (2012)  
Research Mentor, Dr. Andrew Davis, 2016-present  
Research Mentor, Dr. Adam Lin, 2017-present  
Research and Clinical Mentor, Ami Shah, MD, 3-2018-present  
Research and Clinical Mentor, Andrew Daviss, 1/2019-present

### **Teaching Outside of Current Institution**

#### **Formal Teaching**

##### **Courses Taught**

Lecturer, NOCR - San Antonio Breast Cancer Highlights Meeting, NOCR  
1/2003  
Lecturer, Promising molecular targets in breast cancer, School of Breast Oncology  
11/2003

## **Other Formal Teaching**

Lecturer, New frontiers in the management of primary and metastatic breast cancer, Beth Israel Hospital-Harvard Medical School, Boston, MA 3/2002

Lecturer, The evolution in the medical management of primary breast cancer, Henry Ford Hospital, Detroit, MI 3/2002

Lecturer, Maximizing metastatic breast cancer treatment and outcomes through cell-based disease monitoring and anemia management, Northwestern Memorial Hospital, Chicago, IL 8/2006

Lecturer, Inflammatory breast cancer update, The University of Texas M. D. Anderson Cancer Center, Orlando, FL 1/2007

Lecturer, Circulating tumor cells (CTCs) in breast cancer patients: Prognosis, prediction and beyond, Dartmouth Hitchcock Medical Center, Lebanon, NH 3/2007

Lecturer, Inflammatory breast cancer: Diagnostic and treatment challenges, Presbyterian Healthcare Hospital, Albuquerque, NM 3/2008

Lecturer, Fellows Lecture, Thomas Jefferson University, Cardeza Library.

## **CONFERENCES AND SYMPOSIA**

### **Organization of Conferences/Symposia (Include chairing session)**

The University of Texas M. D. Anderson Cancer Center, Conference on Tumor Markers: Discovery to Practice, Santa Barbara, CA, Chair, 3/2003

Veridex L.L.C., 5th International Conference on Minimal Residual Disease, San Francisco, CA, Co-Chairman, 9/2005

The University of Texas M. D. Anderson Cancer Center, Tumor Markers for Personalized Medicine: The New Frontier, Symposium, Kona, HI, Chair, 3/2006

NIH, Tumor Dormancy Workshop: Tumor Cell Dormancy Think Tank Challenges and Research Opportunities, Bethesda, MD, Chair, 6/2006

The University of Texas M. D. Anderson Cancer Center, First International Inflammatory Breast Cancer Conference, Houston, TX, Chair, 12/2008

UT Health Science Center at San Antonio School of Educational Programs, CTRC-AACR San Antonio Breast Cancer Symposium, San Antonio, TX, Chair, 12/2008

AIM Group, 1st International Meeting on New Drugs in Breast Cancer, Rome, Italy, Chair, 4/2009

Veridex LLC, Veridex Dinner Program Meeting during ASCO, Orlando, FL, Chair, 5/2009

University of Athens, 7th International Congress on Minimal Residual Cancer – Scientific Committee Member, Session III: CTCs and DTCs as tumor biomarkers, Athens, Greece, Chair, 9/2009

The University of Texas M. D. Anderson Cancer Center, Founder of the IBC World Alliance Meeting, San Antonio, TX, Chair, 12/2009

2<sup>nd</sup> International Conference on IBC- Scientific Committee, Marseille, 10/2010

3<sup>rd</sup> International Conference on IBC, co-Chair, Philadelphia, 12/2012

Kimmel Cancer Center Breast Symposium, March 2014 : Chairman and Founder.

Co-Chair- 5th International Conference on IBC, Boston, 7/16

Co- Chair- 1<sup>st</sup> OncoSET Precision Medicine Conference, 4/17

Co-Chair- 2<sup>nd</sup> OncoSET Precision Medicine Conference 5/18

Co-Chair- 6th International Conference on IBC, Madrid, Spain, 9/18

### **Presentations at National or International Conferences (not updated)**

#### **Invited:**

Electrorotation characterization of breast cancer cell lines (MCF-7, MCF-7 neo-3, MCF-HER2-18), Annual Meeting of the American Society of Clinical Oncology, Los Angeles, CA, 5/1998

p53, HER-2/neu, and serial MDR protein expression in inflammatory breast cancer, 10th International Congress on Senology (Breast Diseases), Senologic International Society, Lisbon, Portugal, 5/1998

Electrorotation reveals dielectrophoretic variations related to HER-2/neu overexpression in breast cancer cell lines, 4th International Symposium on Predictive Oncology and Therapy, Nice, France, 10/1998

An integrated multimodality approach to the treatment of inflammatory breast cancer: Prognostic implications of paclitaxel treatment and p53 status, 21st Annual San Antonio Breast Cancer Symposium, San Antonio, TX, 12/1998

Chemotherapy in early breast cancer, 1st Annual Palm Beach Cancer Symposium, Boca Raton, FL, 2/1999

The prognostic value of tumor size in axillary node-negative breast cancer: A retrospective analysis of breast cancer patients treated at The University of Texas M . D. Anderson Cancer Center with >10 years follow up, Annual Meeting of the American Society of Clinical Oncology, Atlanta, GA, 5/1999

Clinico-pathological characteristics of breast cancer associated with thyroid disease, 10th European Cancer Conference, Vienna, Austria, 9/1999

Magnetic resonance imaging for evaluation of clinical response to induction chemotherapy in locally advanced breast cancer, 4th Annual Breast Cancer Conference, The Susan G. Komen Breast Cancer Foundation, Washington, DC, 9/2000

The medical management of primary and metastatic breast cancer, UT Southwestern Medical School, Dallas, TX, 3/2001

The role of anthracyclines in the management of breast cancer, Arden Hills Country Club (Sponsored ACS), Sacramento, CA, 4/2001

Medical management of advanced breast cancer and new treatments for breast cancer, 5th International Colloquium of Oncology and Hematology, Oaxaca, Mexico, 6/2001

New trends in the adjuvant treatment of breast cancer, Rhode Island Hospital, Rhode Island, NJ, 6/2001

Anthracyclines in the management of breast cancer: A systematic review, Texas Tech Medical School/Southwest Cancer Center, Lubbock, TX, 9/2001

The medical management of primary breast cancer, The Alabama Cancer Congress, Pensacola, FL, 10/2001

Weekly high-dose paclitaxel has significant antitumor activity in inflammatory breast cancer, 11th European Cancer Conference, Lisbon, Portugal, 10/2001

Adjuvant therapy in breast cancer: Current options and future trends, Short Hills Hilton, Newark, NJ, 11/2001

Adjuvant therapy in breast cancer: Current options and future trends, Caffee on the Green, Bayside, NY, 11/2001

Randomized inflammatory breast cancer, American College of Surgeon Oncology Annual Meeting, Chicago, IL, 11/2001

New frontiers in the management of primary and metastatic breast cancer, Grand Rounds, Beth Israel Hospital-Harvard Medical School, Boston, MA, 3/2002

The evolution in the medical management of primary breast cancer, Grand Rounds, Henry Ford Hospital, Detroit, MI, 3/2002

The role of maspin and laminin-5 as novel prognostic markers in axillary node-negative (ANN) breast cancer, 38th Annual ASCO Meeting, American Society of Clinical Oncology, Orlando, FL, 5/2002

The evolution in the medical management of primary breast cancer, The University of South California, Los Angeles, CA, 6/2002

Paclitaxel significantly improves the prognosis in inflammatory breast cancer: The M. D. Anderson Cancer Center Experience (1974-2000), 25th Annual San Antonio Breast Cancer Symposium, San Antonio, TX, 12/2002

Paclitaxel significantly improves the prognosis in inflammatory breast cancer: The M. D. Anderson Cancer Center Experience (1974-2000), San Antonio Breast Cancer Highlights Meeting, NOCR, New Orleans, LA, 1/2003

Tumor markers: Discovery to practice, Tumor Marker Conference, Santa Barbara, CA, 2/2003

A phase II study of Imatinib in metastatic breast cancer, CTEP Early Drug Development Spring 2003 Meeting, NIH, Bethesda, MA, 3/2003

Circulating tumor cells: A novel prognostic factor for newly diagnosed metastatic breast cancer, 94th Annual AACR Meeting, American Association of Cancer Research, Washington, DC, 7/2003

Thyroid hormones and breast cancer: Primary hypothyroidism is associated with a reduced incidence of primary breast cancer, 94th Annual AACR Meeting, American Association of Cancer Research, Washington, DC, 7/2003

A Phase II, multicenter, randomized trial of Bevacizumab (Avastin) with or without neoadjuvant weekly paclitaxel and adjuvant doxorubicin, cyclophosphamide in patients with primary operable breast cancer, American College of Surgeon Oncology Annual Meeting, Miami, FL, 1/2004

New advances in the treatment of breast cancer, 4th Annual Cancer Institute Symposium – Cancer Updates: Advances in prevention, diagnosis and treatment, Springfield, IL, 2/2004

Advexin (ad5CMVp53) combined docetaxel (T) and doxorubicin (D) as induction chemotherapy (IC): Significant efficacy of a novel gene-therapy approach for patients with locally advanced breast cancer, 27th Annual San Antonio Breast Cancer Symposium, San Antonio, TX, 12/2004

Detection of circulating tumor cells is a prognostic factor in first-line metastatic breast cancer, 27th Annual San Antonio Breast Cancer Symposium, San Antonio, TX, 12/2004

Imatinib mesylate (Gleevec) suppresses interferon-gamma production by activated CD4 T cells of patients with metastatic breast cancer, 27th Annual San Antonio Breast Cancer Symposium, San Antonio, TX, 12/2004

Inflammatory breast cancer challenges in diagnosis and treatment, GSK IBC Investigator' Meeting, GlaxoSmith Kline, San Antonio, TX, 12/2004

Predictive and prognostic tools for managing metastatic breast cancer-prognostic and predictive value of circulating tumor cells in metastatic breast cancer: Clinical applications and research opportunities, San Antonio Breast Cancer Conference - Satellite Symposium, San Antonio, TX, 12/2004

Circulating tumor cells in breast cancer: Challenges and opportunities for the detection of microscopic disease, 13th Annual Radiation Workshop, Round Top, TX, 4/2005

Presence of circulating tumor cells in metastatic breast cancer predicts rapid progression, Annual ASCO 2005 Meeting, American Society of Clinical Oncology, Orlando, FL, 5/2005

Circulating tumor cells as prognostic markers in metastatic breast cancer, Retreat of the Breast Cancer Intergroup of North America (TBCI) Meeting, Chicago, IL, 6/2005

Predicting overall survival and progression-free survival in metastatic breast cancer, Educational Dinner Meeting for Medical Oncologists, Dallas, TX, 6/2005

Circulating tumor cells, disease progression, and survival in metastatic breast cancer, Lilly Breast Opinion Summit Meeting, Eli Lilly, Lisbon, Portugal, 9/2005

Circulating tumor cells: A prognostic or predictive factor?, 5th International Symposium on Minimal Residual Cancer, San Francisco, CA, 9/2005

Clinical application of circulating tumor cells in breast cancer, 43rd Annual Meeting of the Japan Society of Clinical Oncology Luncheon Seminar, Nagoya Congress Center, Nagoya, Japan, 10/2005

Cell search technology, Tumor Board Staff Meeting, St. Catherine of Siena Medical Center, Smithtown, NY, 11/2005

Evaluation of therapeutic results: Relative values of tumor markers, imaging studies and detection of circulating tumor cells in clinical practice, Veridex Satellite Symposium, Veridex L.L.C., San Antonio, TX, 12/2005

Trastuzumab-based regimens in primary breast cancer: Targeted therapy and beyond, XXIII Annual Meeting of the National Cancer Institute of Mexico (INCAN), Puerto Vallarta, Mexico, 2/2006

Prognostic and predictive role of circulatory tumor cells in breast cancer, Tumor Markers for Personalized Medicine: The New Frontier Symposium, Kona, HI, 3/2006

Chemotherapy regimens today, American Society of Breast Disease: 30th Anniversary Symposium, Las Vegas, NV, 4/2006

Metastatic breast cancer: Circulating tumor cells, Challenging Cases in Breast Cancer - Meeting, New Orleans, LA, 4/2006

Circulating tumor cells in metastatic breast cancer: Biological value beyond tumor burden, 42nd Annual ASCO Meeting, American Society of Clinical Oncology, Atlanta, GA, 6/2006

Circulating tumor cells, Biological Basis of Breast Cancer Conference, San Diego, CA, 7/2006

Maximizing metastatic breast cancer treatment and outcomes through cell-based disease monitoring and anemia management, Tumor Board Meeting, Bay Medical Regional Cancer Center, Panama, FL, 8/2006

Maximizing metastatic breast cancer treatment and outcomes through cell-based disease monitoring and anemia management, Breast Cancer Grand Rounds Dinner Meeting, Panama, FL, 8/2006

Maximizing metastatic breast cancer treatment and outcomes through cell-based disease monitoring and anemia management, Grand Rounds Meeting, Northwestern Memorial Hospital, Chicago, IL, 8/2006

Microscopic disease in breast cancer: Clinical applications and research opportunities, International Scientific Symposium IGF-MD Anderson, IGF, Paris, France, 9/2006

New technologies for tumor cell detection in blood and bone marrow, 31st ESMO Congress, Istanbul, Turkey, 10/2006

A phase II combination study of lapatinib (TYKERB®) and paclitaxel as neoadjuvant therapy in patients with newly diagnosed inflammatory breast cancer (IBC), 29th San Antonio Breast Cancer Symposium, San Antonio, TX, 12/2006

Inflammatory breast cancer (IBC): Patterns of recurrence and micrometastatic homing, 29th San Antonio Breast Cancer Symposium, San Antonio, TX, 12/2006

Inflammatory breast cancer update, Grand Rounds, M. D. Anderson Cancer Center, Orlando, FL, 1/2007

Molecular therapies of cancer, Academy of Molecular Imaging (AMI) Meeting, American Society of Nuclear Cardiology, Miami Beach, FL, 1/2007

The complexity of inflammatory breast cancer (IBC): The M. D. Anderson Cancer Center Mission, Palm Beach Event, Cancer Seminar, The University of Texas M. D. Anderson Cancer Center, Palm Beach, FL, 2/2007

Circulating tumor cells, Strategic Planning Meeting on Biomarkers for Plk1 Inhibitors, Boehringer Ingelheim, Vienna, Austria, 3/2007

Circulating tumor cells (CTCs) in breast cancer patients: Prognosis, prediction and beyond, Grand Rounds, Dartmouth Hitchcock Medical Center, Lebanon, NH, 3/2007

Inflammatory breast cancer, 32nd Congress AMHOQ, Quebec, Canada, 5/2007

Emerging approaches with circulating tumor cells, 6th Annual International Congress on the Future of Breast Cancer, Physician Education Resource (PER), Kohala Coast, HI, 7/2007

Cell search experience, Research Meeting on Cell Search, Dr. Colin Curran, Practice, Spartanburg, SC, 8/20/2007

Circulating tumor cells in metastatic breast cancer: Toward personalized treatments, 6th International Symposium on Minimal Residual Cancer, University Medical Center Hamburg-Eppendorf, Hamburg, Germany, 9/21/2007

Circulating tumor cells (CTCs): Toward personalized therapy in breast cancer, Cell Search Assay: Breast Cancer, University of Miami Sylvester Cancer Center, Miami, FL, 10/3/2007

Inflammatory breast cancer: Diagnostic and therapeutic challenges, The Visiting Speakers Program in Oncology, Universite de Montreal, Montreal, Canada, 11/2007

Lapatinib/Paclitaxel for inflammatory breast cancer, Chemotherapy Foundation Symposium XXV, Mount Sinai School of Medicine, New York, NY, 11/2007

Circulating tumor cells (CTCs) and prognostic stratification in metastatic breast cancer (MBC): Need for a modification of the AJCC staging system?, 30th Annual San Antonio Breast Cancer Symposium, San Antonio, TX, 12/2007

HER-2 positive inflammatory breast cancer: High pathological response rate with trastuzumab-based neoadjuvant therapy, 30th Annual San Antonio Breast Cancer Symposium, San Antonio, TX, 12/2007

Circulating tumor cells, RTOG Semi-Annual Meeting, Radiation Oncology Group, San Diego, CA, 1/2008

Circulating tumor cells as predictive and prognostic markers, 1st Annual North American Symposium on Personalized Therapies for Breast Cancer, The Oncology Learning Center, Miami, FL, 1/2008

Targeting inflammatory breast cancer, Tumor Conference, Halifax Medical Center, Daytona Beach, FL, 2/2008

Circulating tumor cells in breast cancer therapy, Breast Cancer Program, Roswell Park Cancer Institute, Buffalo, NY, 3/2008

Inflammatory breast cancer: Defining biology and novel therapies, Morning Speakers Bureau Meeting, University of New Mexico, Albuquerque, NM, 3/2008

Inflammatory breast cancer: Diagnostic and treatment challenges, Grand Rounds, Presbyterian Healthcare Hospital, Albuquerque, NM, 3/2008

A phase II multicenter, double-blind, randomized trial to compare anastrozole plus gefitinib with anastrozole plus placebo in postmenopausal women with hormone receptor positive metastatic breast cancer, 44th Annual Meeting of the American Society of Clinical Oncology, American Society of Clinical Oncology, Chicago, IL, 5/2008

Circulating tumor cells, Biological Basis in Breast Cancer Conference, CBCE, San Francisco, CA, 7/2008

New frontiers in micrometastasis research: A transatlantic perspective, Transatlantic Research and Innovation Symposium on Cancer, Carnegie Institute, Washington, DC, 10/2008

Inflammatory breast cancer: A special tumor entity?, Meet the Professor: Advanced Course on Breast Cancer, Accademia Nazionale di Medicina, Modena, Italy, 11/2008

HER-negative breast cancer: Biology and therapeutic challenges, Merck Oncology Breast Cancer Strategy Committee Meeting, Merck Oncology, Upper Gwynedd, PA, 3/2009

The biological information obtainable from circulating tumor cells, 11th International Conference Primary Therapy of Early Breast Cancer, St. Gallen Oncology Conferences, St. Gallen, Switzerland, 3/2009

Bevacizumab: New schedules and new combinations, 1st International Meeting on New Drugs in Breast Cancer, AIM Group, Rome, Italy, 4/2009

Circulatory tumor cells in metastatic breast cancer: Site-specific risk stratification and HER-2 determination, opportunity for targeted therapeutics, Veridex Dinner Meeting, Veridex LLC, Orlando, FL, 5/2009

Systemic therapies for IBC: From chemotherapy to targeted therapies: State of the art and future perspectives, AIOM Inter-Regional Conference, AIOM, Cagliari-Villasimius, Italy, 5/2009

Minimal burden to breast cancer: How to approach, 11th Milan Breast Cancer Conference, IEO European Institute of Oncology, Milan, Italy, 6/2009

The potential role of circulating tumor cells, Breast Cancer: Current Controversies and New Horizons Conference, Harvard Medical School, Boston, MA, 7/2009

Circulating tumor cells in breast cancer: Advanced tools for tailored therapy?, 7th International Congress on Minimal Residual Cancer, University of Athens, Athens, Greece, 9/2009

Clinical utility of circulating tumor cells, Circulating Tumor Cells: Detection, Diagnostics, Prognostics and Treatment Conference, National Cancer Institute at Frederick, Bethesda, MD, 9/2009

Inflammatory breast cancer: Finding a cure by achieving early detection and treatment, CSG WEST 62nd Annual Meeting - Health Forum, Council of State Governments-WEST, Santa Fe, NM, 10/2009

Systemic approaches to inflammatory breast cancer, 11th Annual Lynn Sage Breast Cancer Symposium, Robert H. Lurie Comprehensive Cancer Center of Northwestern University, Chicago, IL, 10/2009

Inflammatory breast cancer: Biology and treatment, Meet the Professor 5th Advanced Course on Breast Cancer, Accademia Nazionale di Medicina, Modena, Italy, 11/2009

Circulating tumor cells directed therapies in metastatic breast cancer, Roche CTC Meeting during San Antonio Breast Cancer Symposium, Roche Products Limited, San Antonio, TX, 12/2009

CTCs in breast cancer: Advanced tools for tailored therapy? Methods workshop speaker, 2010 Annual Meeting of the American Association for Cancer Research, Washington, DC, 4/2010

Circulating tumor cells (CTCs) in breast cancer: Use of novel diagnostics to define the metastatic process. CHI Biomarker World Congress 2010, Philadelphia, PA, 5/2010

Inflammatory breast cancer (IBC): Diagnosis, biology and treatment. Helen Graham Cancer Center, Newark, DE, 5/2010

Circulating tumor cells (CTCs) in breast cancer: From bedside to bench and forward to personalized therapy. AstraZeneca Weekly Oncology Conference, Wilmington, DE, 6/2010

Creating a state-of-the-art comprehensive breast center to improve patient care, enhance workflow and efficiency. Keynote Speaker, ACI Breast Centers of Excellence Conference, Philadelphia, PA, 6/2010

Inflammatory and locally advanced disease, Speaker and Session Chair, 4<sup>th</sup> International Consensus Conference on Neoadjuvant Treatment of Primary Breast Cancer, Biedenkopf, Germany, 9/2010

Medical treatment of IBC: Present & Future, 2<sup>nd</sup> International Inflammatory Breast Cancer Conference, Marseille, France, 10/2010

Circulating tumor cells and their prognostic and predictive value in breast cancer, VIII GEICAM International Symposium, A Coruna, Spain, 3/2011.

The prognostic and predictive value of enumeration and molecular characterization. ADAPT/2<sup>nd</sup> Annual Circulating Tumor Cells Conference, Philadelphia, PA, 9/2011

Circulating tumor cells: Where are we? 2<sup>nd</sup> International Meeting on New Drugs in Breast Cancer, Rome, Italy, 10/2011

Lapatinib: New prospectives in early breast cancer. 2<sup>nd</sup> International Meeting on New Drugs in Breast Cancer, Rome, Italy, 10/2011

CTCs: Evolving concepts for personalized therapy in breast cancer. National Medical Oncology Conference, Bologna, Italy, 11/2011

Prognostic and predictive value of enumeration and molecular characterization. Speaker, Session Chair and Scientific Advisory Board Member. Molecular Med Tri-Con/Annual Circulating Tumor Cells for Cancer Detection, Diagnosis, Prognosis and Treatment Meeting, San Francisco, CA, 2/2012

Evolving concepts in the management of metastatic breast cancer. 1<sup>st</sup> Joint Conference KFSHD-RPCI-SCF-ASCO on Management of Colon, Breast and Lung Cancer: Update and Future Prospects, Dammam, Saudi Arabia, 3/2012

Einstein Hospital-Montifiore New York, NY- Grand Rounds 4/3/2013.

ASCO Annual Meeting, Chicago, IL. “Beyond Trastuzumab and Lapatinib-New Options in HER2 Positive Breast Cancer.” 5/31/2013. “Adjuvant Chemotherapy of Breast Cancer Improving Patient Selection and Understanding Benefits and Risks”

China 88 Xintiandi Shanghai. Defining the role of circulating tumor cells (CTCs) in the liquid phase of epithelial tumors.” Immunican Shanghaie Conference . Fudan Hospital./ 9/2013.

San Paulo Agendia Talk. Presentation with Dr. Buzaid of Hospital San Jose in Sao Paulo. II Simposio Oncoclinicas Do Brasil: Abordagem Multidisciplinar dos tumores Mama. Neoadjuvant Treatment- Practical Aspects. 9/21/2013. Brazil.

9<sup>th</sup> International Symposium on Minimal Residual Cancer (ISMRC 2013) **EMT and CTC**. Paris, France. 9/21/2013.

5<sup>th</sup> Symposium Primary Systemic Treatment in the Management of Operable Breast Cancer. Cremora Italy. Workshop on Circulating Tumor Cells in Routine Clinical Setting. 10/3/2013.

PBCC Workshop Presentation: Conference. Harrisburg, PA 10/15/2013.

Duke Round Table Meeting. North Carolina. 10/22/2013

Facing Breast Cancer: New Advances in the Treatment of IBC. Radiation Fellows Lecture. 10/31/2013.

3<sup>rd</sup> International Meeting on New Drugs in Breast cancer. Rome, Bastianelli Congress Center. November 13-15, 2013.

San Antonio Breast Symposium. “Inflammatory Breast Cancer Diagnosis, Treatment and Biology”. December 10<sup>th</sup>-12<sup>th</sup>. 2013

4<sup>th</sup> IBC Conference-Belgium. IBC Meeting AntWerp 2014. HER2 Directed Therapy. Ongoing Clinical Trials in IBC. 5/6/2014.

ASCO Breast Cancer Tumor Markers Expert Panel, ASCO, Chicago IL . 5/28/2014. CTC molecular monitoring in HR-MBC treated with a combination of aromatase Inhibitor and everolimus(Afinitor) Novartis. 6/1/2014.

16<sup>th</sup> Milan Breast Cancer Conference. Innovation in Care and Research. Umberto Veronesi, Chairman 6/26/2014.

San Paolo, Brazil. Agendia Presentation: Neoadjuvant chemotherapy for inflammatory breast cancer. 7/25-26/2014

2014 Annual Meeting of CSCO Xiamen, China. Improve Standardized Treatment Level, Broaden International Prospective. New Targeted Therapy in Breast Cancer. 9/18/2014.

Circulating Tumor Cells in Cancer Patients Management. Venice, Italy. 9/22/2014.

2<sup>nd</sup> International Symposium ACTC. Advances in Circulating Tumour Cells from Basic Research to Clinical Practice. “CTC in breast cancer 2004-2014: Clinical Value Revisted” Rethymnon, Crete, Greece.

18<sup>th</sup> SIS 2014 World Congress on Breast Healthcare, on behalf of Agendia. Orlando, Florida. 10/17/2014.

2014 San Antonio Breast Cancer Symposium. 12/9/-12/132014.

2015 CellSearch Ad Board China Janssen Diagnostics April 11 2015

2015 April 23-26, Birmingham United Kingdom, IBC Symposium presentation

2015. June 12: Hosting: Inaugural Jefferson Inflammatory Breast Cancer Community Conference. Thomas Jefferson University. Phila. PA

### **Other, Including Scientific Exhibitions**

Exploratory subset analysis according to prior endocrine treatment of two randomized phase II trials comparing gefitinib with placebo in combination with tamoxifen or anastrozole in hormone receptor-



positive metastatic breast cancer, 45th Annual Meeting of the American Society of Clinical Oncology, American Society of Clinical Oncology, Orlando, FL, 5/2009

Merck Breast Cancer Scientific Input Engagement. Baltimore, MD. 4/5/2014

### **Seminar Invitations from Other Institutions**

New biomarkers and circulating cells, VI Madrid Breast Cancer Conference, Madrid, Spain, 6/1/2005

The role of MNR for diagnosis and follow up, VI Madrid Breast Cancer Conference, Madrid, Spain, 6/1/2005

Inflammatory breast cancer: Update on the diagnosis, epidemiology, biology and treatment, Temple University Dept. of Biology Special Seminar, Philadelphia, PA 11/2011

Circulating Tumor Cells (CTCs): Prognostic Value Biomarker Analysis and Personalized Therapy. Grand Rounds, Kimmel Cancer Center at Thomas Jefferson University, Philadelphia, PA, 12/2011

CTCA. Cancer Treatment Centers of America. Atlanta Georgia. IBC Symposium. 5/2015.

Presentation: Inflammatory Breast Cancer(IBC): Novel Insights into an old disease and The Future Treatment of IBC.

### **Lectureships and Visiting Professorships**

Medical management of advanced breast cancer and new treatments for breast cancer, 5th International Colloquium of Oncology and Hematology, Oaxaca, Mexico, 6/2001

Molecular targets in breast cancer: Current status and future directions, International Cancer Congress, Rovigo, Italy, 12/2001

Angiogenesis inhibitors in cancer research, Audio Teaching Program, Albert Einstein College of Medicine, Houston, TX, 8/2002

Molecular targets in breast cancer, International Cancer Center of Rovigo, Rovigo, Italy, 10/2002

The current approach to patients with inflammatory breast cancer, European Institute of Oncology (IEO), Milan, Italy, 6/2008

Circulating tumor cells: Novel avenue to personalized therapy in breast cancer, AstraZeneca Oncology, Sheffield, United Kingdom, 9/2008

Inflammatory Breast Cancer (IBC): Challenges and Opportunities in the Diagnosis, Biology and Treatment, Connolly-Zaniboni Visiting Professor in Breast Cancer, Tufts Medical Center, Boston MA, 11/2010

Circulating tumor cells, London Regional Cancer Program Translational Breast Cancer Research Unit and the CIHR Strategic Training Program in Cancer Research and Technology Transfer, Pamela Greenaway-Kohlmeier Translational Breast Cancer Research Unit Seminar Series, London Health Sciences Centre, London, Ontario, Canada, 4/2011.

### **Other Presentations at State and Local Conferences**

Treatment of locally advanced and inflammatory breast cancer, Preceptorship Program for Schering-Plough at The University of Texas M. D. Anderson Cancer Center, Schering-Plough Pharmaceuticals, Houston, TX, 9/2002

Treatment of locally advanced and inflammatory breast cancer, Preceptorship Program for Schering-Plough at The University of Texas M. D. Anderson Cancer Center, Schering-Plough Pharmaceuticals, Houston, TX, 10/2002

Promising target therapies for breast cancer, Fellows Program, University of Texas Medical Branch, Galveston, TX, 1/2005

Circulating tumor cells (CTC) as prognostic factor in metastatic breast cancer (MBC), Southwest Oncology Group Meeting, Southwest Oncology Group, Dallas, TX, 10/2005

Circulating tumor cells, Breast Cancer Research Group Retreat, The University of Texas M. D. Anderson Cancer Center, Houston, TX, 11/2005

Systemic therapy for primary breast cancer, chemotherapy adjuvant, neoadjuvant, and biologic therapy, Nurse Lecture, The University of Texas M. D. Anderson Cancer Center, Houston, TX, 11/2005

Evaluation of therapeutic results: Relative values of tumor markers, imaging studies and detection of circulating tumor cells in clinical practice, Satellite Symposium, Veridex LLC, San Antonio, TX, 12/2005

Measurement of markers of disease activity in breast cancer: Current status and use of markers, CellSearch assay and use in breast cancer, KOL Advisory Board Meeting, CellSearch System KOL, Dallas, TX, 12/2005

Breast cancer management, Cyfair Cancer Center, Houston, TX, 11/2006

Circulating tumor cells in metastatic breast cancer: Standard prognostic Factors and what else?, Breast Cancer Clinical Research Meeting (BCCR), The University of Texas M. D. Anderson Cancer Center, Houston, TX, 2/16/2007

Circulating tumor cells, Preceptorship Program for Spanish Oncologists, Trevisio, The University of Texas M. D. Anderson Cancer Center, Houston, TX, 3/2007

Inflammatory breast cancer (IBC): Challenges in diagnosis and treatment, Annual Education Conference (AEC), Case Management Society of America, Houston, TX, 9/26/2007

Molecular classification of breast cancer and its application to prognostic and selection of treatment, 2nd Annual Metastatic Breast Cancer Network Conference, The University of Texas M. D. Anderson Cancer Center, Breast Medical Oncology, Houston, TX, 11/2007

Inflammatory breast cancer: Challenges, diagnosis and treatment, Philippine Nurse Association of Metropolitan Houston Spring Seminar, The Philippine Nurses Association of Metropolitan Houston, Houston, TX, 5/2008

Inflammatory breast cancer: What you don't know may kill you, 36th Annual Physician Assistant Conference, American Academy of Physician Assistants, San Antonio, TX, 5/2008

Inflammatory breast cancer (IBC): Challenges and opportunities, Pilot International Media Day, The University of Texas M. D. Anderson Cancer Center, Public Affairs, Houston, TX, 6/2008

Inflammatory breast cancer research program and the evolution of multidisciplinary research: Back from the future?, Advances in Oncology Institutional Grand Rounds, The University of Texas M. D. Anderson Cancer Center, Houston, TX, 9/2008

Circulating tumor cells in metastatic breast cancer: The microscopic revolution, Breast Cancer Research Program Fall Retreat, The University of Texas M. D. Anderson Cancer Center, Breast Medical Oncology, Houston, TX, 10/2008

Circulating tumor cells in metastatic breast cancer: The microscopic revolution, Breast Cancer Research Program Fall Retreat, The University of Texas M. D. Anderson Cancer Center, Breast Medical Oncology, Houston, TX, 10/2008

Circulating tumor cells: Novel path to targeted therapies in breast cancer, Translational Biology and Molecular Medicine Graduate Program Seminar Series, Baylor College of Medicine, Houston, TX, 10/2008

Inflammatory breast cancer (IBC): Myths and reality, 9th Annual Texas Conference for Women, Governor Rick Perry and First Lady Anita Perry, Houston, TX, 10/2008

Inflammatory breast cancer: The path to personalized therapy, The Division of Cancer Medicine Grand Rounds, The University of Texas M. D. Anderson Cancer Center, Houston, TX, 11/2008

Novel targeted therapies in inflammatory breast cancer, First International Inflammatory Breast Cancer Conference, The University of Texas M. D. Anderson Cancer Center, Houston, TX, 12/2008

Inflammatory breast cancer: State of the art and future perspective, Medical Oncology Fellowship Class, The University of Texas M. D. Anderson Cancer Center, Houston, TX, 5/2009

Inflammatory breast cancer: Finding a cure by achieving early detection and treatment, CSG-WEST 62nd Annual Meeting Health Forum, Council of State Governments - WEST, Santa Fe, NM, 10/2009

Systemic therapies for IBC: From chemotherapy to targeted therapies: State of the art and future perspective, Grand Rounds Meeting, Christus St. John Hospital, Nassau, TX, 10/2009

Evolving strategies in the management of inflammatory breast cancer, 29<sup>th</sup> Annual UCSF Clinical Cancer Update, Lake Tahoe, CA, 1/2010

Adjuvant hormonal therapy, Highlights of the 2009 San Antonio Breast Cancer Symposium, Fox Chase Cancer Center, Philadelphia, PA, 2/2010

Inflammatory breast cancer: Clinical advances in women's cancers Session, Oncology Practice Reviews, Philadelphia, PA, 7/2010

Inflammatory breast cancer. PA Breast Cancer Coalition Annual Conference, Harrisburg, PA, 10/2010

Circulating tumor cells/Stem cells, Highlights of the 2010 San Antonio Breast Cancer Symposium, Fox Chase Cancer Center, Philadelphia, PA, 1/2011

Inflammatory breast cancer workshop. PA Breast Cancer Coalition Annual Conference, Harrisburg, PA, 10/2011

Metastatic breast cancer: Assessing clinical trials. Living Beyond Breast Cancer Community Meeting, Conshohocken, PA, 12/2011

Inflammatory Breast Cancer. Einstein Montefiorre NY, April 3, 2013

CAPERS Oncology Conference "Breast Cancer Update. Thomas Jefferson University. April 24, 2013  
Cancer Biology Workshop Drexel University College of Medicine. June 17, 2013.

PBCC Workshop Presentation: PA Breast Cancer Coalition Conference. Harrisburg, PA October 15, 2013.

Facing Breast Cancer Series: New Advances in the Treatment of IBC: Thomas Jefferson University, Phila. PA October 31, 2013.

Breast Symposium of Thomas Jefferson University; Organized by Massimo Cristofanilli. April 25, 2014.

Nurse Navigators Presentation. Thomas Jefferson University. "Pregnancy and Breast Cancer". May 9, 2014.

2015 April 9, CTCA Atlanta Georgia, IBC Presentation

2015. 5/16/15. SBUR/SUO Joint Session, New Orleans Morial Convention Center, May 16<sup>th</sup>, 2015  
"Circulating Tumor Cells: Telling the truth about metastases.

2015. ASCO Annual Meeting.

### **UNIQUE ACTIVITIES**

CBS media interview on protocol study ID00-008, The University of Texas M. D. Anderson Cancer Center, Houston, TX, 10/2002

T.V. interview to write a story about the Breast Center Clinic and ongoing inflammatory breast cancer research. Interviewed by Leslie Mouton, Health Reporter at KSAT, the ABC affiliate in San Antonio,

The University of Texas M. D. Anderson Cancer Center, Houston, TX, 10/2008

On-camera interview on inflammatory breast cancer, at the Breast Center, UT M. D. Anderson Cancer Center, Houston, TX. Interviewed by Cassandra Floyd, Senior Health Care Producer, Critical Information Network, LLC, 11/2008

On-camera interview for news release on M. D. Anderson Patient Paints Gulf Coast Cities Pink to Raise Awareness of Inflammatory Breast Cancer. Interviewed by Tomise Martin, External Communications Office, UT M. D. Anderson Cancer Center, Houston, TX, 10/2009

Volunteered for KRPC Channel 2 phone bank to educate the community about inflammatory breast cancer.

Stories run in every newscast, KPRC, Houston, TX, 10/2009.

Interview with Andy Pollack from New York Times March 12, 2014”Sidestepping The Biopsy with New Tools to Spot Cancer”.

Interview with WHYY TV with Taunya “Genomic Testing” March 11, 2014

CAPERS Oncology Conference: Breast Cancer Update – Blumble building  
Oncology Nursing conference. 4/24/2013

Opening Event for Women’s Speciality Clinic at Jefferson’s Breast Cancer Center. Master of Ceremonies. 5/10/2013.

Press Conference. Instuto Superiore di Sanita (NIH), Viale Regina Elena 299. Rome. 11/13/2013.

DAVA Oncology: Video for Celgene. 1/30/2014.

Philadelphia Magazine. THINKPINK insert. Interview and picture for October 2014.

WHYY Interview March 11, 2014: Genomic Testing with Ann Meredith

NY Times Interview with Andy Pollack: March 12, 2014.

Guardant Health Video: May 14, 2014.

HemOnc Interview June 18, 2014

Philadelphia Magazine Top Doc 2015

Susan B. Komen Race for the Cure Sunday May 10<sup>th</sup>, 2015.

Interview for OncLive. Reporter at ASCO.

DATE OF LAST CV UPDATE

1/12/19

Massimo Cristofanilli, M.D., F.A.C.P.