# Curriculum Vitae and Bibliography Roberto A Leon Ferre, MD

# **Personal Information**

Place of Birth: Guayaquil, Ecuador

Work Address: Mayo Clinic

200 First St SW

Rochester, MN 55905

Email Address: leonferre.roberto@mayo.edu

# **Present Academic Rank and Position**

Instructor of Medicine - Mayo Clinic College of Medicine and Science 01/01/2017 - Present Assistant Professor of Oncology - Mayo Clinic College of Medicine and Science 11/01/2017 - Present Associate Program Director - Advanced Breast Cancer Fellowship, Mayo Clinic, 2019 - Present

Rochester, Minnesota

Consultant - Division of Medical Oncology, Department of Oncology, Mayo Clinic,

06/24/2020 - Present

Rochester, Minnesota

## **Education**

Unidad Educativa San Francisco Javier, Guayaquil, Ecuador - Other, 1995 - 2001

Baccalaureate--Chemistry and Biology Services

2001 - 2007

Universidad Catolica de Santiago de Guayaquil – Facultad de Ciencias Médicas, Guavaguil, Ecuador - MD

07/2010 - 06/2011

University of Iowa Hospitals and Clinics, Iowa City, Iowa - Internship, Internal

Medicine University of Iowa Hospital and Clinics, Iowa City, Iowa - Residency, Internal

07/2011 - 06/2013

Medicine

University of Iowa Hospitals and Clinics, Iowa City, Iowa - Chief Resident, Internal

07/2013 - 06/2014

Medicine

Mayo Clinic College of Medicine, Rochester, Minnesota – Hematology & Medical

07/01/2014 - 06/30/2017

Oncology Fellowship

#### Additional Education

The William J. Harrington Medical Training Programs for Latin America and the Caribbean Students, University of Miami School of Medicine, Jackson Memorial Hospital, Miami, Florida

03/2006 - 08/2006

Methods in Epidemiologic, Clinical and Operations Research (MECOR) Level 1 (of

4). American Thoracic Society, Quinamávida, Chile

10/2007

Writing for Biomedical Publication Workshop, Grant writers' seminars and

workshops, Mayo Clinic, Rochester, MN

03/2016

14th Annual School of Breast Oncology, Emory University, Atlanta, Georgia

11/2016

Cancer Biology and Therapeutics: High Impact Cancer Research Program

10/2018 - 10-2019

Harvard Medical School

Virtual Participation

Molecular Biology in Clinical Oncology Workshop, American Association for Cancer 07/2019

Research, Snowmass Village, CO Introductory course in Immunology, The American Association of Immunologists,

07/2020

SITC Clinical Immuno-Oncology Network (SCION) Workshop, Society for

01/2022

Immunotherapy of Cancer, Virtual Participation event

# Certification

#### **Board Certifications**

| Boar | d Certifications                     |  |                   |
|------|--------------------------------------|--|-------------------|
| Ar   | nerican Board of                     | Internal Medicine (ABIM)   |                   |
|      | Internal Medicine                    |  | 2013 - Present    |
|      | Hematology                           |  | 2017 - Present    |
|      | Medical Oncolog                      | y  | 2017 - Present    |
| Ec   | lucational Comm                      | ission for Foreign Medical Graduates (ECFMG)   |                   |
|      | ECFMG                                |  | 2009 - Present    |
| Ur   | nited States Medi                    | cal Licensing Examination (USMLE)  |                   |
|      | Step I                               |  | 2008 - Present    |
|      | Step II Clinical Kr                  | nowledge   | 2009 - Present    |
|      | Step II Clinical SI                  | xills  | 2009 - Present    |
|      | Step III                             |  | 2010 - Present    |
| Othe | r Certifications                     |  |                   |
| Ma   | ayo Clinic Quality                   | Academy  |                   |
|      | Mayo Clinic Qual                     | ity Fellow: Bronze Level Certification   | 2014              |
| Lice | nsure                                |  |                   |
|      | Iowa                                 | 08784 (Medical-Resident)   | 2010-2014         |
|      | Minnesota                            | 57809 (Medical)  | 2014 - Present    |
| Hon  | ors and Award                        | Is   |                   |
|      | Facultad de Cien                     | Scholarship - Universidad Catolica de Santiago de Guayaquil – cias Medicas de  | 2003 - 2005       |
|      | Golden Award for<br>Guayaquil – Facu | or Academic Merit - Universidad Catolica de Santiago de ultad de Ciencias Medicas op 5% GPA during the preceding academic year.                                | 2005              |
|      | Guayaquil – Facı                     | Academic Merit - Universidad Catolica de Santiago de ultad de Ciencias Medicas op 10% GPA during the preceding academic year.                                  | 2006              |
|      | First Place, Clin<br>Chapter         | ical Vignette Competition - American College of Physicians, Iowa   | 2011              |
|      | Outstanding Jui                      | nior Resident - University of Iowa Hospitals and Clinics   | 2011 - 2012       |
|      | Chief Resident,<br>City, Iowa        | Internal Medicine - University of Iowa Hospitals and Clinics, Iowa   | 07/2013 - 07/2014 |
|      | Oncology Traine<br>Conquer Cancer    | <b>ee Travel Award</b> - American Society of Clinical Oncology (ASCO), Foundation  | 2015              |
|      | •                                    | ncology - Society for Translational Oncology Fellow's Forum n, North Carolina  | 2016              |
|      |                                      | ivision of Hematology/Medical Oncology, Department of Internal Graduate School of Medicine, Mayo Clinic College of Medicine, esota                             | 07/2016 - 06/2017 |
|      | Oncology, Depar                      | matology-Oncology Trainee - Division of Hematology/Medical tment of Internal Medicine, Mayo Graduate School of Medicine, ege of Medicine, Rochester, Minnesota | 2017              |

|  | <b>Oncology Merit Award</b> - Conquer Cancer Foundation, American Society of Clinical Oncology   | 2017                    |  |
|--|--|-------------------------|--|
|  | Internal Medicine Residency Program's Highest Rated Educators - Internal Medicine Residency, Rochester, Minnesota Award given by the Mayo Clinic's Internal Medicine Residency Program to the top 30% of the teaching faculty across specialties | 2018                    |  |
|  | Career Enhancement Program Award - Breast Cancer Specialized Programs of Research Excellence (SPORE), Rochester, Minnesota   | 2019 - 2021             |  |
|  | <b>KL2 Scholar</b> - Mayo Clinic Center for Clinical and Translational Science, Mayo Clinic, Rochester, Minnesota  | 2019 - 2022             |  |
|  | <b>Teacher of the Year</b> - Hematology/Medical Oncology Fellowship Program, Rochester, Minnesota  | 2020                    |  |
|  | <b>Teacher of the Year</b> - Mayo Fellow's Association in the Department of Internal Media Specialties, Rochester, Minnesota   | 2020                    |  |
|  | <b>Teacher of the Year</b> - Hematology/Medical Oncology Fellowship Program, Rochester, Minnesota  | 2021                    |  |
| Previous Professional Positions and Major Appointments |  |                         |  |
|  | <b>Junior House Officer</b> - Dr. Abel Gilbert Ponton Hospital, General Surgery and Orthopedics, Guayaquil, Ecuador  | 2006 - 2007             |  |
|  | <b>Junior House Officer</b> - Matilde Hidalgo de Procel Maternity, Obstetrics and Gynecology, Guayaquil, Ecuador   | 2007                    |  |
|  | Rural Physician - Santa Lucia Health Center, Guayas, Ecuador   | 2008 - 2009             |  |
|  | <b>Resident Physician</b> – Department of Internal Medicine, University of Iowa Hospitals and Clinics, Iowa City, Iowa   | 2010 - 2013             |  |
|  | <b>Associate</b> – Department of Internal Medicine, University of Iowa Hospitals and Clinics, Iowa City, Iowa  | 2013 - 2014             |  |
|  | <b>Fellow</b> – Division of Hematology, Department of Oncology, Mayo Clinic, Rochester, Minnesota  | 2014 – 2017             |  |
|  | Instructor of Oncology - Mayo Clinic College of Medicine and Science   | 01/01/2017 - 10/31/2017 |  |
|  | Chair – American Society of Clinical Oncology (ASCO) Trainee Council   | 2017 – 2018             |  |
|  | <b>Senior Associate Consultant</b> - Division of Medical Oncology, Department of Oncology, Mayo Clinic, Rochester, Minnesota   | 07/01/2017 - 06/23/2020 |  |
| Duef   | assisted Mambarahina and Casistian   |                         |  |

# **Professional Memberships and Societies**

# **Professional Memberships and Services**

| American College of Physicians (ACP) Associate Member   | 2010 – 2014    |
|---|----------------|
| American College of Physicians (ACP) National Medical Student and Resident/Fellow Abstract Competition Reviewer | 2014           |
| American Medical Association (AMA) Associate Member   | 2014 - Present |
| American Society of Clinical Oncology (ASCO) Associate Member   | 2014 - Present |
| American Society of Hematology (ASH) Associate Member   | 2014 – 2017    |
| American Society of Clinical Oncology (ASCO) Professional Development Committee Member                          | 2014 – 2017    |
| American Society of Clinical Oncology (ASCO) Cancer Education Committee Member                                  | 2014 – 2017    |
| American Society of Clinical Oncology (ASCO) Self Evaluation Program  | 2015           |

| Reviewer   |                   |
|--|-------------------|
| American Society of Clinical Oncology (ASCO) Medical Student Outreach Committee Member               | 2016 – 2017       |
| American Association for Cancer Research (AACR) Associate Member                                     | 09/2017 - Present |
| American Society of Clinical Oncology (ASCO) Self Evaluation Program Item Writing Task Force  Member | 2020 – Present    |
| Society for Immunotherapy of Cancer (SITC)  Member   | 2021 - Present    |

# **Journal Responsibilities**

# **Journal Other Responsibilities**

| Journal of Cancer  | 0044 Decemb      |
|--|------------------|
| Reviewer  American College of Physicians (ACP) National Medical Student and                    | 2011 – Present   |
| Resident/Fellow Abstract competition Reviewer  | 2014             |
| American Society of Clinical Oncology Self Evaluation Program (ASCO-SEP) 5th Edition Mock Exam |                  |
| Reviewer   | 2014 - 2018      |
| American Society of Clinical Oncology Cancer Interest Group Abstract Forum Reviewer            | 2017 - 2018      |
| Annals of Oncology Reviewer  | 2019 - Present   |
| Annals of Surgical Oncology Reviewer   | 2016 - Present   |
| Breast Cancer Research   |                  |
| Reviewer   | 2017 - Present   |
| Breast Cancer Research and Treatment Reviewer  | 2018 - Present   |
| Breast Cancer: Basic and Clinical Research Reviewer  | 2020 - Present   |
| Breast Cancer: Targets and Therapy Reviewer  | 2020 - Present   |
| British Journal of Cancer  |                  |
| Reviewer   | 2020 - Present   |
| Clinical Breast Cancer<br>Reviewer   | 2017 - Present   |
| Clinical Cancer Research   | 0040 D           |
| Reviewer   | 2019 - Present   |
| ecancer.org<br>Reviewer  | 2018 - Present   |
| JNCI Cancer Spectrum Reviewer  | 2019 - Present   |
| Journal of Oncology  | 0040 . David     |
| Reviewer   | 2019 - Present   |
| Journal of Oncology Practice  Reviewer   | 2018 - Present   |
| Journal of the National Cancer Institute   | Zu io - Pieseill |
| Journal of the National Cancer institute   |                  |

| Reviewer   | 2017 - Present  |
|--|-----------------|
| Mayo Clinic Health Letter  | 2010 Dragget    |
| Reviewer PLOS One  | 2019 - Present  |
| Reviewer   | 2019 - Present  |
| Scientific Reports   |                 |
| Reviewer   | 2016 - Present  |
| The Breast Reviewer  | 2016 - Present  |
| The Medical Letter   | 2010 - 1 163611 |
| Reviewer   | 2019 - Present  |
| The Oncologist   |                 |
| Reviewer   | 2020 – Present  |
| Breast Cancer: Basic and Clinical Research Reviewer  | 2020 – Present  |
| International Journal of Radiation Oncology, Biology, Physics  | 2020 1100011    |
| Reviewer   | 2021 - Present  |
| International Journal of Cancer Care and Delivery  |                 |
| Reviewer Breast Cancer, Current Oncology Reports   | 2021 – Present  |
| Section Editor   | 2022            |
| Education Interests and Accomplishments  | 2022            |
| Curriculum and Course Development  |                 |
| Internal Medicine Resident Core Conference Curriculum Development Revised, planned, and coordinated core-conference topics for the Internal Medicine Residency for the 2013-2014 academic year. University of Iowa Hospitals and Clinics Iowa City, Iowa | 2013 - 2014     |
| 2014 Internal Medicine Board Review Course Designed and organized the Internal Medicine Board Review Course for the Department of Internal Medicine University of Iowa Hospitals and Clinics   | 2013 - 2014     |
| Advanced Medical Oncology Fellowship Developed the program's curriculum, rotation schedule and successfully led recruiting efforts for the inaugural class Breast Cancer Track Rochester, Minnesota  | 2019 - Present  |
| Breast Medical Oncology Education Chair Oversee the breast cancer educational curriculum of the categorical Hematology/Medical Oncology fellowship Medical Oncology Fellowship Rochester, Minnesota  | 2019 - Present  |
| American Society of Clinical Oncology Self Evaluation Program Item Writing Task Force Wrote case-based multiple-choice questions and served as peer reviewer for questions from other authors for the ASCO self-assessment programs                      | 2021 - Present  |
| Teaching   |                 |
| Teaching resident Presented 15 lectures on core internal medicine topics for the third- and fourth-year medical students.  | 2012            |
| Roy J. and Lucille A. Carver College of Medicine, University of Iowa Iowa City, Iowa   |                 |

|    | Physical diagnosis course Instructor for 18-hour course on history gathering and physical examination for residents of the Oral & Maxillofacial Surgery, General Dentistry and Periodontics training programs, prior to starting clinical rotations through the Internal Medicine and Anesthesia Departments. University of Iowa Hospitals and Clinics Iowa City, Iowa | 2013                 |
|----|--|----------------------|
|    | Internal Medicine residency diagnostic reasoning conferences Moderator of weekly case-based conferences focused on formulation of differential diagnosis and workup of Internal Medicine conditions. Department of Internal Medicine, University of Iowa Hospital and Clinics Iowa City, Iowa  | 07/2013 - 06/2014    |
|    | Clinical and professional skills II course Co-facilitator of small group sessions for first year medical students focused on clinical case oral presentation skills. Roy J. and Lucille Carver College of Medicine, University of Iowa lowa City, Iowa   | 2014                 |
|    | Foundation of clinical practice IV course Clinical mentor for 3 medical students and 1 physician assistant student during history-taking and physical exam sessions with simulated and real patients Roy J. and Lucille A. Carver College of Medicine, University of Iowa lowa City, Iowa  | 2014 - 2017          |
|    | Platelet disorders and coagulation medicine 1: Hemostasis<br>Led case-based small group sessions with second year medical students<br>Hematology Course, Mayo Medical School<br>Rochester, MN  | 2014                 |
|    | Breast Cancer Resident Core Oncology Lectures Quarterly introductory lecture to Breast Cancer for Internal Medicine Residents rotating through Medical Oncology Mayo Clinic, Resident Core Oncology Lecture  | 03/2018 - Present    |
|    | Breast Cancer<br>Mayo Clinic Resident Core Oncology Lecture Series<br>Rochester, Minnesota   | 08/2018              |
|    | Breast Cancer Fellows Core Oncology Lectures<br>Yearly lecture focused on chemotherapy and HER2-directed therapy for early-stage<br>breast cancer for Medical Oncology fellows<br>Hematology/Oncology Fellowship Program   | 10/02/2018 - Present |
|    | A randomized, double-blind, placebo-controlled trial of oxybutynin for hot flashes<br>Internal Medicine Multidisciplinary Breast Conference<br>Rochester, Minnesota  | 11/2018              |
|    | Breast Cancer Board Review<br>Mayo Clinic Hematology/Oncology Fellowship Board Review Series<br>Rochester, Minnesota   | 12/21/2018 - Present |
| Me | ntorship   |                      |
|    | Ravi, Praful (Internal Medicine Resident)  Description: Abstract and manuscript writing.  Current Status: Medical Oncologist at Dana-Farber Cancer Institute; Instructor in Medicine at Harvard Medical School  Outcome: Fellowship at Dana-Farber Cancer Institute and accepted consultant position at Dana-Farber Cancer Institute.                                  | 06/2016 - 02/2017    |
|    | (Tschautscher) Kaddoura, Marcella (Internal Medicine Resident)  Description: Abstract writing  Current Status: Fellow in Hematology and Oncology, Mayo Clinic, Rochester  Outcome:   | 07/2016 - 11/2016    |
|    | Hoversten, Katherine (Internal Medicine Resident) <b>Description:</b> Abstract writing   | 08/2016 - 07/2017    |

**Current Status:** Internal Medicine Consultant

Outcome:

Yadav, Siddhartha (Hematology/Oncology Fellow)

10/2017 - Present

Description: - Siddhartha Yadav, MD (Hematology/Medical Oncology Fellow) Preparation of abstracts, manuscripts and a book chapter focused on male breast

Current Status: Senior Associate Consultant in Medical Oncology; Assistant Professor of Medicine and Oncology, Mayo Clinic College of Medicine and Science

Outcome:

Anampa-Guzman, Andrea (Medical Student)

06/2018 - Present

**Description:** Planning and execution of two studies assessing the impact of the ASCO-sponsored Oncology Student Interest groups in Latin America, subsequently accepted for oral presentation at the ASCO Annual Medical Student & Resident Abstract Forum, published in the Journal of Global Oncology.

Current Status: Research Assistant, Rosswell Park Comprehensive Cancer Center Outcome:

Fuentes Bayne, Harry (Hematology/Oncology Fellow)

05/2019 - Present

Description: Research focused on multiplexed tissue analyses in carcinomas of unknown primary

Current Status: Hematology/Oncology Fellow; Assistant Professor of Medicine and

Oncology, Mayo Clinic College of Medicine and Science

Outcome:

Schmidt, Walker M. (Medical Student) 2020 - Present

**Description:** Career Advisor

**Current Status:** Outcome:

Shah, Shiv (Medical Student) 2020

**Description:** Career Advisor

**Current Status:** Outcome:

Weng, Jessica (MD/PhD Student) 2021

**Description:** Career Advisor

**Current Status:** Outcome:

**Academic Career Development** 

Fellows and Associates as Clinical Educators (FACE) Program

07/2013 - 06/2014

Program designed to introduce future clinician-educators to teaching and educational skills, test question development, clinician mentoring, curriculum and teaching portfolio development, educational research, among others.

Department of Internal Medicine and Office of Consultation and Research in Medical Education, University of Iowa Hospitals and Clinics.

Iowa City, Iowa

Chief Resident Leadership Development Program

07/2013 - 06/2014

Program for chief residents designed to expand insights and skills related to leadership, effective communication, conflict management, change implementation, motivation, teamwork, and organizational culture, among others.

Carver College of Medicine, University of Iowa

Iowa City, Iowa

Society for Translational Oncology Fellows' Forum

12/2016

Three-day intensive forum that brings together a small group of fellows and junior faculty from the leading medical, surgical, radiation, and pediatric oncology fellowship programs, offering opportunities for education, professional development in translational cancer research; research, education, and the science of drug development in oncology; networking and mentorship to guide career development for young oncologists.

Journal of Oncology Practice Reviewer Mentoring Program 01/2018 - 01/2019 Program designed to provide training on the peer-review process, by pairing new

reviewers with seasoned reviewers.

National Board of Medical Examiners/American Society of Clinical Oncology 11/2021

**Question Writing Workshop** 

# Institutional/Departmental Administrative Responsibilities, Committee Memberships and Other Activities

# **Mayo Clinic**

Junior Faculty Career Development Committee

Chair 2020 - Present

Mayo Clinic Hematology Inpatients Oversight Team, Education Subgroup

Committee

Member 07/2016 - 06/2017

Mayo Clinic Rochester, Hematology and Oncology Education & Program Evaluation

Committee

Member 2016 - Present

Mayo Clinic Rochester, Oncology Divisional Education Committee

Member 07/2014 - 06/2016

MCCC (Mayo Clinic Cancer Center) Training and Career Enhancement

Subcommittee

Committee Member 04/30/2021 - Present

## **Activities at Other Institutions**

American Society of Clinical Oncology

**Professional Development Committee** 

Member 09/2014 - 05/2018

American Society of Clinical Oncology Trainee Council

 Member
 09/2014 - 05/2018

 Chair and Member
 06/2017 - 05/2018

American Society of Clinical Oncology, Professional Development Committee,

Medical Student Outreach Working Group

Member 07/2016 - 05/2017

# **Presentations Extramural**

## **National or International**

#### Invited

| Update on Clinical Trials & Triple Negative Breast Cancer | 12/20/2017 |
|---|------------|
| CancerCare Teleconference                                 |            |

Updates on Triple Negative Breast Cancer 02/10/2018

Advances in Breast Cancer Management

Ponte Vedra Beach, FL, Florida

Updates in ER-positive, PR-positive, HER2-positive Breast Cancer 04/18/2018

CancerCare Teleconference

Breast Cancer and Older Women 05/16/2018

CancerCare Teleconference

Update on the Management of HER2-Positive Disease 08/04/2018

28th Annual Mayo Clinic Hematology/Oncology Reviews 2018

Amelia Island, FL

The Benefits of Clinical Trials for Triple Negative Breast Cancer 09/26/2018

CancerCare Teleconference

| Breast Cancer Genomics<br>Lakeland Regional Health, Mayo Clinic Care Network<br>Flagstaff, Arizona  | 10/04/2018 |
|---|------------|
| Latest Developments Reported at the 41st San Antonio Breast Cancer Symposium CancerCare Teleconference  | 12/12/2018 |
| 2018 Updates in the Management of HER2-positive Breast Cancer<br>International Oncology Summit 2019<br>Dubai, United Arab Emirates  | 01/18/2019 |
| 2018 Updates in the Management of Triple-Negative Breast Cancer<br>International Oncology Summit 2019<br>Dubai, United Arab Emirates  | 01/18/2019 |
| Breast Cancer Presentation to medical student members of the Cancer Interest Group sponsored by the American Society of Clinical Oncology ASCO Sponsored Cancer Interest Group - Peru       | 01/25/2019 |
| Immunotherapy Strategies and Novel Drugs in the Horizon for Triple-Negative Breast Cancer AIIMS-Mayo TNBC Symposium New Delhi, India  | 03/26/2019 |
| Breast Cancer Immunotherapy<br>Clinica Internacional<br>Lima, Peru  | 10/02/2019 |
| State of the Art of the Treatment of Triple Negative Breast Cancer<br>Clinica Internacional<br>Lima, Peru   | 10/02/2019 |
| Management of Advanced Triple-Negative Breast Cancer: New Targeted Therapy<br>Options<br>Sociedad Peruana de Cancerologia<br>Paracas, Peru  | 10/04/2019 |
| Novel Therapeutic Strategies for Metastatic gBRCA-Mutated and Triple-Negative Breast Cancers Mayo Clinic Clinical Multidisciplinary Hematology & Oncology Annual Review Scottsdale, Arizona | 02/2020    |
| Immunotherapy Approaches in Early-Stage and Metastatic Breast Cancer<br>International Medical Center<br>Jeddah, Saudi Arabia  | 02/28/2020 |
| Triple Negative Breast Cancer: Molecular Biology Insights and Novel Therapeutics International Medical Center Jeddah, Saudi Arabia  | 02/28/2020 |
| New Strategies for the Management of Triple Negative and HER2 Amplified Breast Cancer Department of Oncology, Redsalud Santiago, Chile  | 08/03/2020 |
| Updates in Triple Negative Breast Cancer Highlights of SABCS 2020 by the Binaytara Foundation   | 02/21/2021 |
| ADCs for Treating HER2-positive Breast Cancer, Present & Future. Mayo/Huimei Healthcare Joint Breast Conference   | 03/05/2021 |
| Metastatic Triple Negative Breast Cancer: Strategies to Cope<br>Cancer Care Teleconference  | 10/06/2021 |
| Immune Checkpoint Inhibitors in the Management of Triple Negative Breast Cancer   | 02/13/2022 |

Binaytara Foundation, Virtual Conference

| Oral   |            |
|--|------------|
| Trainee Council Updates and Sharing Professional Development and Education Advances 2018 ASCO Annual Meeting, Training Program Directors' Breakfast (Training Program Directors and Associate Training Program Directors Only), Education Session Chicago, Illinois              | 06/03/2018 |
| A randomized, double-blind, placebo-controlled trial of oxybutynin (Oxy) for hot flashes (HF): ACCRU study SC-1603 San Antonio Breast Cancer Symposium San Antonio, Texas  | 12/07/2018 |
| Medical Oncology in Breast Cancer Therapy I<br>11th International Charite Mayo Conference  | 05/05/2021 |
| Poster   |            |
| Response to salvage treatment in Head and Neck Squamous Cell Carcinoma (HNSCC) patients who failed neoadjuvant chemotherapy with Docetaxel, Cisplatin and 5-Fluorouracil (TPF).  American Society for Radiation Oncology (ASTRO) Multidisciplinary Head & Neck Cancer Symposium. | 01/2012    |
| Comparison of hepatic artery embolization and selective internal radiation therapy for metastatic neuroendocrine tumors. 2012 Gastrointestinal Cancers Symposium San Francisco, California   | 01/20/2012 |
| A phase I study of vemurafenib and decitabine in metastatic melanoma.<br>2015 ASCO Annual Meeting<br>Chicago, Illinois   | 06/2015    |
| Utility of PET/CT for surveillance of asymptomatic patients with resected stage III or IV melanoma.  Received Travel Award for this presentation.  American Society of Clinical Oncology (ASCO) National Meeting Chicago, Illinois   | 06/2015    |
| Prognostic value of histopathology, stromal tumor infiltrating lymphocytes (sTILs) and adjuvant chemotherapy (AdjCT) in early stage triple negative breast cancer (TNBC).  2017 ASCO Annual Meeting Chicago, Illinois  | 06/04/2017 |
| Prognostic value of histopathology, stromal tumor infiltrating lymphocytes and adjuvant chemotherapy in early stage triple negative breast cancer.  Merit award for this presentation.  American Society of Clinic Oncology (ASCO) National Meeting Chicago, Illinois            | 06/30/2017 |
| Prognostic value of the neutrophil-to-lymphocyte ratio (NLR) and its relation to stromal tumor-infiltrating lymphocytes (sTILs) in triple-negative breast cancer (TNBC) San Antonio Breast Cancer Symposium San Antonio, Texas   | 12/07/2017 |
| Tumor-infiltrating lymphocytes (TILs) in androgen receptor (AR)-positive, triple-<br>negative breast cancer (TNBC)<br>American Society of Clinical Oncology (ASCO) - Society for Immunotherapy of<br>Cancer (SITC) Immuno-Oncology Symposium<br>San Francisco, California        | 01/25/2018 |

| Treatment of neoplastic fever and sweats in two cancer patients with oxybutynin. 10/2019 Supportive Care in Oncology Symposium   | 0/26/2019                |
|--|--------------------------|
|  |                          |
|  | 5/29/2020 -<br>5/31/2020 |
| Digital spatial profiling of immune-related proteins in luminal androgen receptor (LAR) vs non-LAR triple-negative breast cancer (TNBC).  2021 San Antonio Breast Cancer Symposium, Virtual Presentation | 2/2021                   |
| Long-term outcomes of patients with node-negative (N0), triple-negative breast cancer (TNBC) who did not receive adjuvant chemotherapy according to stromal TILs (sTILs).  2021 ASCO Annual Meeting      | 6/04/2021                |
| Regional   |                          |
| Invited  |                          |
| A bleeding disorder with normal coagulation tests.  Clotter's Rounds, Mayo Clinic Rochester, MN  | 1/2014                   |
| Evaluation and management of Gestational Trophoblastic Disease. 12/ Oncology Fellows Conference Rochester, MN  | 2/2014                   |
| Extracorporeal Photopheresis for Graft-vs-Host Disease.  Transfusion Medicine Conference, Mayo Clinic Rochester, MN  | 1/2015                   |
| The Critically III Cancer Patient.  Oncology Morbidity and Mortality Conference, Mayo Clinic Rochester, MN   | 3/2015                   |
| HHV-6 infection and Posterior Reversible Encephalopathy Syndrome in an allogeneic stem cell transplant recipient.  Combined Hematology and Infectious Diseases Conference, Mayo Clinic Rochester, MN     | 3/2015                   |
| Second primary malignancies in patients with head and neck and lung cancer.  Oncology Morbidity and Mortality Conference, Mayo Clinic  Rochester, MN   | 2/2015                   |
| A case of impending visceral crisis in a patient with metastatic breast cancer Oncology Fellows Conference, Mayo Clinic Rochester, MN  | 1/01/2016                |
| Breast Cancer Primer 07/ Oncology Fellows Conference Rochester, MN   | 7/22/2016                |
| Triple Negative Breast Cancer: Starting from Scratch Oncology CME Conference, Mayo Clinic Rochester, MN  | 9/2016                   |
| Triple Negative Breast Cancer: Starting from Scratch Breast Imaging and Intervention In-Service Conference, Mayo Clinic Rochester, MN  | 3/22/2017                |
| New Clinical Approaches to Triple-Negative Breast Cancer  Multidisciplinary Breast Cancer Conference  Mayo Clinic; Rochester, Minnesota  | 1/19/2018                |

| Healthcare in Ecuador<br>Rochester Community and Technical College<br>Rochester, Minnesota   | 04/11/2018 |
|--|------------|
| Breast Cancer<br>Internal Medicine Residency Noon Conference 2018  | 07/12/2018 |
| Triple-Negative Breast Cancer: New Insights into the Biology and Emerging Drug Therapies OncLive State of the Science Summit Minneapolis, MN, Minnesota  | 11/14/2018 |
| The Mayo Triple-Negative Breast Cancer Cohort<br>Multidisciplinary Breast Cancer Conference<br>Rochester, Minnesota  | 04/13/2018 |
| Immunotherapy for Breast Cancer and PD-L1 Testing Multidisciplinary Breast Cancer Conference, Mayo Clinic Rochester, Minnesota   | 02/14/2020 |
| Updates in Breast Cancer<br>Mayo Clinic Oncology Review<br>Rochester, Minnesota  | 07/18/2020 |
| Triple Negative Breast Cancer: It's Time to Focus on the Positives! Cancer Center Grand Rounds, Gundersen Health System  | 09/08/2020 |
| Metastatic Triple Negative Breast Cancer<br>Medical Oncology Fellowship Core Curriculum<br>Mayo Clinic, Rochester, MN  | 03/10/2021 |
| Updates in Breast Cancer<br>Mayo Clinic Oncology Review<br>Rochester, Minnesota  | 07/06/2021 |
| Towards a Liquid Biopsy of the Immune Tumor Microenvironment<br>Breast Cancer Care Innovation, Disruptive Technologies and Early Adopters<br>Rochester, Minnesota                              | 09/17/2021 |
| Breast Cancer Updates: Focus on Triple Negative Breast Cancer<br>Mayo Clinic, MN   | 10/05/2021 |
| Systemic Therapy for Triple Negative Breast Cancer<br>Radiation Oncology Residency Program, Mayo Clinic, MN  | 11/09/2021 |
| Breast Cancer Updates: Focus on HER2+ Breast Cancer<br>Mayo Clinic, MN   | 03/15/2022 |
| Oral   |            |
| A B-wildering Case of Paraplegia<br>Awarded the 1st place among 27 clinical vignette presentations<br>American College of Physicians (ACP) Clinical Vignette Competition, Iowa Chapter<br>Iowa | 02/2012    |
| "Pretty in Pink": Hypereosinophilic syndrome.<br>Internal Medicine Grand Rounds, University of Iowa Hospitals and Clinics  | 05/2014    |
| Best of ASCO, Hematology Updates<br>Hematology Clinical CME Conference, Mayo Clinic<br>Rochester, MN   | 07/20/2016 |
| 2019 Breast Cancer Updates: Focus on Triple-Negative Breast Cancer and Metastatic HER2-Positive Breast Cancer Oncology CME Conference, Mayo Clinic Rochester, Minnesota                        | 09/03/2019 |

01/2021 - 01/2023

02/2021 - 01/2023

03/2022 - 02/2024

12/2021 – 11/2025

Updates from the 2020 Virtual San Antonio breast Cancer Symposium Multidisciplinary Breast Cancer Conference, Mayo Clinic, Rochester, MN

12/18/2020

# **Research Grants Awarded**

## **Active Grants**

| <b>Federal</b> |
|----------------|
|----------------|

KL2 Scholar Institutional Career Development Core (CCaTS KL2). Funded by 09/2017 - 06/2022 National Center for Advancing Translational Sciences. (KL2 TR 02379)

# Industry

Program Amend 1- IMMU-132-05: Phase III Study of Sacituzumab Govitecan in 04/2018 - 04/2020 Director / Relapsed/Refractory Triple-Negative Breast Cancer. Funded by Immunomedics. (IMMU-132-05)

Investigator

Program CBYL719H12301: Phase III, multicenter, randomized, double-blind, 10/2020 - 10/2023 Director / placebo-controlled study to assess the efficacy and safety of alpelisib (BYL719) in combination with nab-paclitaxel in patients with advanced

Investigator TNBC. Funded by Novartis. (CBYL719H12301)

Program MCR (Lead) GS-US-586-6144, A Phase 2, Randomized, Open-Label Director / Study Evaluating the Safety and Efficacy of Magrolimab in Combination with Nab-Paclitaxel or Paclitaxel versus Nab-Paclitaxel or Paclitaxel in Previously Untreated Patients with Metastatic TNBC. Funded by Gilead

Sciences. (GS-US-586-6144)

Program MCR\_AL-TNBC-01: TENACITY: A Phase 2, Multicenter, Open-label, Director / Single-arm Study of AL101 Monotherapy in Patients with Notch-activated

Principal Triple Negative Breast Cancer. Funded by Ayala. (AL-TNBC-01)

Investigator

Program TBCRC056: A phase II study of niraparib with dostarlimab therapy as Director / neoadjuvant treatment for patients with BRCA-mutated breast cancer.

Principal Funded by Dana Farber/Harvard Cancer Institute. (TBCRC056) Investigator

**Mayo Clinic** 

Program Targeting DNA methyltransferases in metastatic DNMT3A(+) triple 01/2021 - 12/2021 Director / negative breast cancer. Funded by the Mayo Clinic Research Pipeline

Principal K2R Award.

Investigator

Program S2007 A Phase II Trial of Sacituzumab Govitecan for Patients with

Director / HER2-Negative Breast Cancer and Brain Metastases. Funded by Hybrid

Principal Intramural Proposal for Cancer Center

Investigator

# **Completed Grants**

# **Mayo Clinic**

Prgoram Development of a Multiplexed Proteomics Panel for the Identification of 01/2021 – 12/2021 Director / Tissue of Origin in Patients with Cancer of Unknown Primary. Funded by

Principal CCaTS Office of Translation to Practice – Advance the Practice

Investigator Research Award

Co-Program Utility of PET/CT for routine surveillance of asymptomatic patients with 07/2015 - 07/2017 Director / resected stage III or IV melanoma. Funded by SGP - Small Grants

Principal Program <\$10K

Investigator

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- 12. **Leon-Ferre RA**, Polley MY, Liu H, Gilbert JA, Cafourek V, Hillman DW, Elkhanany A, Akinhanmi M, Lilyquist J, Thomas A, Negron V, Boughey JC, Liu MC, Ingle JN, Kalari KR, Couch FJ, Visscher DW, Goetz MP. Impact of histopathology, tumor-infiltrating lymphocytes, and adjuvant chemotherapy on prognosis of triple-negative breast cancer. Breast Cancer Res Treat. 2018 Jan; 167 (1):89-99 Epub 2017 Sept 14 PMID: 28913760 PMCID: 5790598 DOI: 10.1007/s10549-017-4499-7
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- Leon-Ferre RA, Giridhar KV, Hieken TJ, Mutter RW, Couch FJ, Jimenez RE, Hawse JR, Boughey JC, Ruddy KJ. A contemporary review of male breast cancer: current evidence and unanswered questions. Cancer Metastasis Rev. 2018 Dec; 37 (4):599-614 PMID: 30232577 DOI: 10.1007/s10555-018-9761-x
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#### **Non-Peer-reviewed Articles**

Leon Ferre RA. Thriving at Your First ASCO Annual Meeting ASCO Connection. 2018.

# **Book Chapters**

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#### **Editorials**

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- 2. Yadav S, Giridhar KV, Taraba J, **Leon-Ferre R**, Ruddy KJ. Safety, efficacy, and tolerability of systemic therapies in male breast cancer: are there sex-specific differences? Expert Opin Drug Saf 2020 Aug; 19 (8):923-926 Epub 2020 July 27
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#### **Commentaries**

#### **Abstracts**

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- 5. **Leon-Ferre RA**, Kottschade LA, Lowe VJ, Markovic S. Utility of pet/ct for surveillance of asymptomatic patients with resected stage iii or iv melanoma. J Clin Oncol. 2015 May 20; 33(15).
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- 8. **Leon-Ferre RA**, Polley M-Y, Liu H, Gilbert J, Cafourek V, Hillman D, Negron V, Boughey JC, Liu MC, Ingle JN, Kalari K, Couch FJ, Visscher DW, Goetz MP. Prognostic value of the neutrophil-to-lymphocyte ratio (NLR) and its relation to stromal tumor-infiltrating lymphocytes (sTILs) in triple-negative breast cancer (TNBC) San Antonio Breast Cancer Symposium.2017;
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- 11. \* Andrade Gonzalez XA, Fuentes Bayne HE, Mann H, Mendez Hernandez A, Tafur AJ, **Leon-Ferre RA**. Current trends and inpatient outcomes of venous thromboembolism-related admissions among patients with diffuse large B-cell lymphoma: A Nationwide Inpatient Sample Database analysis. Journal of Clinical Oncology. 2018; 36(15 suppl):e19546-e19546.
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- 15. **Leon-Ferre RA**, Polley, Liu H, Kalari KR, Boughey JC, Liu MC, Cafourek V, Negron V, Ingle JN, Thompson KJ, Tang X, Barman P, Carlson E, Visscher DW, Carter JM, Couch FJ, Goetz MP. Characteristics, outcomes and prognostic factors of luminal androgen receptor (LAR) triple-negative breast cancer (TNBC) San Antonio Breast Cancer Symposium. 2018; Abstract no. P3-08-01.
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## Letters

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<sup>\*</sup> Indicates that the primary author was a mentee of this author.