

LAURA ALEJANDRA RAMÍREZ TIRADO

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RESEARCH INTERESTS

My research interests center around designing and evaluating clinical and public health interventions for the prevention of chronic diseases. Particularly, I am interested in molecular epidemiology and statistical methods applied to the study of chronic diseases. My career goal is to become an independently funded research scientist.

EDUCATION

- 2020-Present **University of Pittsburgh Graduate School of Public Health** Pittsburgh, PA, USA
1st year PhD in Epidemiology, Degree Expected Spring 2025
Academic Advisor: Emma Barinas-Mitchell, PhD
Graduate Student Researcher
Relevant Coursework: SAS programming, Clinical Trials, Infectious Disease, Epidemiology, Chronic Disease Epidemiology, Seminar in Cardiovascular diseases, Principles of Epidemiology.
- 2013-2015 **National Autonomous University of Mexico (UNAM)** México City, México
Master of Sciences in Health Sciences, minor in Epidemiology (Honors)
Relevant Coursework: Basic Biostatistics, Epidemiological Methods, Linear Models, Nonlinear and Longitudinal Models, Applied Epidemiology, Management Programs and Health Services, Life Analysis, Introduction to Health Policies.
- 2007-2013 **National Autonomous University of Mexico (UNAM)** México City, México
First degree professional in Medicine (Doctor of Medicine)
Relevant Coursework: Anatomy, Developmental Biology, Biochemistry and Molecular biology, Cell and tissue Biology, Medical Psychology, Pharmacology, Physiology, Microbiology and Parasitology, Immunology, Surgery, Clinical Genetics, Clinical Seminar, Pathology, General Medicine I & II (Include: Cardiology, Endocrinology, Ophthalmology, Neurology, Infectiology, Gynecology and Obstetrics, Surgery, Urology, Neurology, Otorhinolaryngology, Psychiatry, Pediatrics).
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PROFESSIONAL EXPERIENCE

- 2020-Aug 2021 **FUMEC - United States-Mexico Foundation for Science** México City, México
Pan American Health Organization (Regional Office)
General Directorate of Epidemiology (DGE) of Ministry of Health in Mexico
Position: Epidemiology Advisor
Main Responsibilities (Objectives of the consultancy):
1. To assist in the collection and classification of national and international information, for the elaboration of adequate products for prompt and adequate decision making by the area management regarding the COVID-19 pandemic.
 2. Develop products to communicate relevant epidemiological information to health care workers as well as the general population.
 3. Implement strategies for epidemiologic surveillance of COVID-19, including estimation of cases and their evolution, as well as mortality resulting from this pandemic.
 4. Implement strategies for epidemiologic surveillance of COVID-19, including estimation of cases and their evolution, as well as mortality resulting from this pandemic.
 5. Train new staff; direct the work of epidemiological medical resident students.

- 2013-2019 **National Cancer Institute of Mexico (INCan)** México City, México
Functional Unit of Thoracic Oncology and Personalized Medicine.
 Position: Research Physician – Statistical Data analyst
 Main responsibilities:
1. Collaborate with primary investigator, and research staff to plan, conduct and evaluate project protocols by attending to weekly meetings, and by participating regularly in seminars presenting findings of statistical analyses (20%).
 2. Monitor and report project status. Develop and maintain knowledge of research protocol to coordinate the comprehensive and compliant execution of assigned protocols (10%)
 3. Collaborate to develop products to communicate research findings (posters, scientific manuscripts, oral presentations) (20%).
 Submit or assist for the submission of articles as needed.
 Main responsible for writing data analysis plan and results for manuscripts and for coordinating and answering the reviewer letters for submitted articles.
 4. Collect and analyze data (40%).
 Collect or assist in the collection of data from medical records as needed.
 Principal responsible for statistical analyses for most of the projects done at the (Clean and analyze data to evaluate the effect of a new treatment within a clinical trial) (i.e. linear, logistic regression, Survival analyses). Develop statistical programs for publications.
 Monitor research data to maintain quality. Develop or assist for the development and maintenance of research tools, such as spreadsheets, questionnaires and/or brochures
 Train new staff; direct the work of students: Train lower-level research assistants and graduate students for data collection.
 5. Other activities as needed (10%):
 Participate in the conduct and documentation of the informed consent process.
 Contribute to research project budget development
 Complete laboratory/academic or research courses as needed (e.g. get training on cytometry or PCR).
- 2015 **University of Oxford.** Oxford, United Kingdom
Nuffield Department of Population Health (NDPH)
 Advisors: Jonathan Emberson, PhD and Louise Gnatuic, PhD
 Project: Mexico City Prospective Study (MCPS) [\[Link\]](#)
 Position Six-months research Internship, Recognized Visiting Scholar
 Main responsibilities:
1. Analyzed data and do a small scientific report on the interaction between smoking exposure and overall and specific mortality.
 2. Collaborate in translation (Spanish-English or English-Spanish, as needed) of or different materials (e.g., procedure manuals that will be used for the next survey).
 3. Attend seminars and obtain training in the use of R for plotting
- 2012-2013 **National Autonomous University of Mexico (UNAM)** México City, México
Unit of Special Projects Socio-medical Research (UPEIS)
 Advisor: Malaquías López Cervantes, MD, PhD
 Position: Undergraduate Medical Student (Social service)
 Main responsibilities:
1. Attend seminars.
 2. Collaborate in community data collection, carrying out house-to-house surveys and blood sampling in the study population for a community project carried out in a village in Mexico

where I lived for four months.

3. Assist in the revision of questionnaires daily. Train new collaborators and coordinate the teams of surveyors, doctors, and nurses to collect the data and send the blood samples to the city.

2011-2012	General Hospital #32, Mexican Social Security Institute (IMSS) Position: Undergraduate Student (Medical Internship)	México City, México
2007-2010	National Cancer Institute of Mexico (INCan) Faculty of Medicine, National Autonomous University of Mexico (UNAM) Position: Medical Student of the Program for Support and Promotion of Student Research (AFINES)	México City, México
2006	Research Internship-Laboratory of physiochemistry and protein engineering. Position: Medical student of the Educational Quality Nuclei Program (NUCE) Faculty of Medicine (UNAM).	Mexico City, México

PROFESSIONAL ACTIVITIES

COMMITTEES

- Aug 2021 Universidad Nacional Autónoma de México (UNAM)
Member of the admissions commissions for the master's degree in Health Sciences.

MEMBERSHIP IN PROFESSIONAL SOCIETIES

- 2020-Present Member of the Editorial Board of the Mediastinum Journal. Shanghai, China. [\[Link\]](#)
- 2019-Present Member of the International Society for Pharmacoeconomic and Outcomes Research (ISPOR)
- 2019-Present Member of the Mexican Society of Public Health
- 2017-Present Member of the National System of Researchers (S.N.I.), from Mexico awarded by the National Science and Technology Council (CONACyT) of Mexico.

CERTIFICATIONS AND SKILLS

2021

- (1) **Data Analysis with R.** XXII International Summer School of the School of Public Health of the Faculty of Medicine of the University of Chile. Carried out from January 11 to 15, 2021 30 chronological hours (40 teaching hours)
- (2) **Systematization and mapping of data using GIS-web ARCGIS online.** XXII International Summer School of the School of Public Health of the Faculty of Medicine of the University of Chile. Carried out from January 18 to 22, 2021. A total 20 chronological hours (27 pedagogical)

2014

- (3) **Workshop: Quality control in flow cytometry (Cytometric Bead Array)** held on April 29, 2014, in the training center BD Biosciences, Cuautitlán Edo. from Mexico.
- (4) **Molecular Biology Course.** National Cancer Institute, January -March 2014.
- (5) **Training course in handling chemical waste.** National Cancer Institute, Dec 2014.
- (6) **Training course in handling biohazardous waste.** National Cancer Institute, Dec 2014.

2013

- (7) **Theoretical and practical training in the use of the Light Cycler 480 II instrument.** Carried out in institutions of the National Cancer Institute, 19-21 November 2013. (30 hours).

2010

- (8) **MD Certification Course.** National Institute of Pediatrics. (January-August 2012).2010
- (9) **Accreditation of the Workshop Abdominal wall plasty.** National Assembly of Surgeons held in the Juarez Hospital of Mexico from August 31 to September 3, 2010, with 21 hours of theory and 14 practical hours.

SKILLS

- Primary programming languages: SAS, R, Stata, SPSS
- Geospatial Analysis: ArcGIS
- IT: Proficient in the use of Mendeley, Excel, Word, PowerPoint
- Languages: Spanish-Native language; Fluency in English (Toefl IBT score:102).

- Collaborative Institutional Training Initiative (CITI Program) certifications:
 - o Biomedical Human Subjects Research - Biomedical Course (ID 48690) [\[Verify\]](#).
 - o Social and Behavioral Science Human Subjects - Social-Behavioral-Educational Course (ID 48692) [\[Verify\]](#).
 - o CITI Conflicts of Interest - COI PHS Regulated Course (ID 61825) [\[Verify\]](#).
 - o Good Clinical Practice Course - GCP for Clinical Trials with Investigational Drugs and Medical Devices (U.S. FDA Focus) (ID 64768) [\[Verify\]](#).
 - o Responsible Conduct of Research (ID 104590) [\[Verify\]](#).
 - o Information Privacy & Security - Privacy & Information Security (ID 132052) [\[Verify\]](#).
 - o Revised Common Rule (ID 175605) [\[Verify\]](#).
 - o COVID-19: Public Training Series - What You Need to Know About COVID-19 Vaccine (ID 233945) [\[Verify\]](#).

BIBLIOGRAPHY: PUBLICATIONS, PRESENTATIONS, CITATIONS, AWARDS

ORCID: <https://orcid.org/0000-0003-0179-8774>

NCBI: [Link](#)

Scopus: [Link](#)

ResearchGate: [Link](#)

PUBLICATIONS

2021

- (1) Turcott JG, Martinez-Samano JE, Cardona AF, Bassarmal SS, Ramírez-Tirado LA, Zatarain- Barrón ZL, Barrón F, Corrales L, Martín C, Barragán-Castillo PA, Ruiz-Patiño A, Flores-EstradaD, Arrieta O. The Role of a Cachexia Grading System in Patients with Non-Small Cell Lung Cancer Treated with Immunotherapy: Implications for Survival. Nutr Cancer 2021 Jun 1:1-8 doi: 10.1080/01635581.2020.1769691.

2020

- (2) Arrieta O, Barrón F, Ramírez-Tirado LA, Zatarain-Barrón ZL, Cardona AF, Díaz-García D, Yamamoto Ramos M, Mota-Vega B, Carmona A, Peralta Álvarez MP, Bautista Y, Aldaco F, Gerson R, Rolfo C, Rosell R. Efficacy and Safety of Pembrolizumab Plus Docetaxel vs Docetaxel Alone in Patients With Previously Treated Advanced Non-Small Cell Lung Cancer: The PROLUNG Phase 2 Randomized Clinical Trial. JAMA Oncol. 2020 Apr 9. doi: 10.1001/jamaoncol.2020.0409.
- (3) Arrieta O, Ramirez-Tirado LA, Zatarain-Barrón ZL. Metformin Plus Tyrosine Kinase Inhibitors in Epidermal Growth Factor Receptor-Mutated Non-Small Cell Lung Cancer-Reply.JAMA Oncol. 2020 Mar 12. doi: 10.1001/jamaoncol.2020.0062.
- (4) López-Salazar J, Ramírez-Tirado LA, Gómez-Contreras N, Pacheco-Bravo I, Cortés E, Gallardo D, Arrieta O, Cesarman-Maus G. Cancer-associated prothrombotic pathways: leucocytosis, but not thrombocytosis, correlates with venous thromboembolism in women with ovarian cancer. Intern Med J. 2020

Mar;50(3):366-370. doi: 10.1111/imj.14762.

- (5) Arrieta O, Ramírez-Tirado LA, Caballé-Perez E, Mejía-Perez A, Zatarain-Barrón ZL, Cardona AF, Lozano-Ruiz F, Segura-González M, Cruz-Rico G, Maldonado F, Rosell R. Response rate of patients with baseline brain metastases from recently diagnosed non-small cell lung cancer receiving radiotherapy according to EGFR, ALK and KRAS mutation status. *Thorac Cancer*. 2020 Apr;11(4):1026-1037. doi: 10.1111/1759-7714.13359.
- (6) Arrieta O, Aviles-Salas A, Orozco-Morales M, Hernández-Pedro N, Cardona AF, Cabrera- Miranda L, Barrios-Bernal P, Soca-Chafre G, Cruz-Rico G, Peña-Torres ML, Moncada-Claudio G, Ramirez-Tirado LA. Association between CD47 expression, clinical characteristics and prognosis in patients with advanced non-small cell lung cancer. *Cancer Med*. 2020 Feb 11. doi: 10.1002/cam4.2882.

2019

- (7) Arrieta O, Barrón F, Salinas Padilla MA, Avilés-Salas A, Ramírez-Tirado LA, Arguelles-Jimenez MJ, Vergara E, Zatarain-Barrón ZL, Hernández-Pedro N, Cardona AF, Cruz-Rico G, Barrios- Bernal P, Yamamoto Ramos M, Rossell R. Effect of Metformin Plus Tyrosine Kinase Inhibitors Compared with Tyrosine Kinase Inhibitors Alone in Patients With Epidermal Growth Factor Receptor-Mutated Lung Adenocarcinoma: A Phase 2 Randomized Clinical Trial. *JAMA Oncol*. Published online September 5, 2019. doi:10.1001/jamaoncol.2019.2553.
- (8) Rodríguez-Lara V, Ramírez-Tirado LA, Barrón F, Zatarain-Barrón ZL, Flores-Estrada D, Arrieta O. Characteristics of non-small cell lung cancer: differences by sex and hormonal status in a Mexican population. *Salud Publica Mex*. 2019 May-Jun;61(3):265-275. doi: 10.21149/10094.
- (9) Ramírez-Tirado LA, Uribe-Ortiz CE, Arrieta O, Tirado-Gómez LL. Lung cancer mortality and municipal marginalization in Mexico, 1998-2016. *Salud Publica Mex*. 2019 May-Jun;61(3):249-256. doi: 10.21149/10083.
- (10) Arrieta O, Escamilla-López I, Lyra-González I, Barrón F, Ramírez-Tirado LA, Vergara E, Corona- Cruz JF, Maldonado F, Jiménez-Fuentes E. Radical aggressive treatment among non-small cell lung cancer patients with malignant pleural effusion without extra-thoracic disease. *J Thorac Dis*. 2019 Feb ;11(2):595-601. doi: 10.21037/jtd.2019.01.36.
- (11) Arrieta O, Barrón F, Maldonado F, Cabrera L, Corona-Cruz JF, Blake M, Ramírez-Tirado LA, Zatarain-Barrón ZL, Cardona AF, García O, Arén O, De la Garza J Radical consolidative treatment provides a clinical benefit and long-term survival in patients with synchronous oligometastatic non-small cell lung cancer: A phase II study. *Lung Cancer*. 2019 Apr; 130:67-75. doi: 10.1016/j.lungcan.2019.02.006.
- (12) Rojas L, Cardona AF, Trejo-Rosales R, Zatarain-Barrón ZL, Ramírez-Tirado LA, Ruiz-Patiño A, Campos Gómez S, Corrales L, Oblitas G, Bacon L, Martín C, de Lima VCC, Freitas HC, Mas L, Vargas C, Carranza H, Otero J, Pérez MA, González L, Chirinos L, Granados ST, Rodriguez J, Báez R, Remolina Bonilla YA, Núñez Cerrillo G, Archila P, Cuello M, Karachaliou N, Rosell R, Arrieta O; on behalf CLICaP. Characteristics and long-term outcomes of advanced pleural mesothelioma in Latin America (MeSO-CLICaP). *Thorac Cancer*. 2019 Mar;10(3):508-518. doi:10.1111/1759-7714.12967.

2018

- (13) Oscar Arrieta, Andrés F. Cardona, Guillermo Bramuglia , Graciela Cruz-Rico , Luis Corrales- Rodriguez , Claudio Martín , Victoria Imaz-Olguín, Omar Castillo, Mauricio Cuello, Érica Rojas Bilbao, Gabriel Casas, Cristina Fernández, Osvaldo Arén Frontera, Valeria Denninghoff, Gonzalo Recondo, Alejandro Avilés Salas, Luis-Alberto Mas-Lopez, George Oblitas, Leonardo Rojas, Antonio Piottante, Ernesto Jiménez García, Sergio Sánchez Sosa, Julia Saenz, Hernán Lupera, Laura-Alejandra Ramirez-Tirado, Carlos Vargas, Hernán Carranza, Horacio Astudillo, Laura Beatriz Wills, Ernestina Pichelbaur, Luis E. Raez, on behalf of the CLICaP* Molecular epidemiology of ALK rearrangements in advanced lung adenocarcinoma in Latin America; *Oncology*. 2018 Nov 26:1-10. doi: 10.1159/000493733.
- (14) Turcott JG, Oñate-Ocaña LF, Soca-Chafre G, Ramírez-Tirado LA, Flores Estrada D, Zatarain- Barrón ZL, Arrieta O. FAACT-Anorexia Cachexia Scale: Cutoff Value for Anorexia Diagnosis in Advanced Non-Small Cell Lung Cancer Patients. *Nutr Cancer*. 2018 Oct 1:1-9. doi: 10.1080/01635581.2018.1506488. PMID:30273069
- (15) Corona-Cruz JF, López-Saucedo RA, Ramírez-Tirado LA, Pérez-Montiel D, González-Luna JA, Jiménez-Fuentes E, Arrieta O. Extended resections of large thymomas: importance of en bloc thymectomy. *J Thorac Dis*. 2018 Jun;10(6):3473-3481. doi: 10.21037/jtd.2018.05.101. PMID:30069343

- (16) Barrón F., Cardona AF, Corrales L, Ramirez-Tirado LA, Caballe-Perez E, Sanchez G, Flores- Estrada D, Zatarain-Barrón L, Arrieta O; on behalf of Latin American Consortium for the Study of Lung Cancer (CLICAP) Characteristics of progression to tyrosine kinase inhibitors predict overall survival in patients with advanced non-small cell lung cancer harboring an EGFR mutation *J Thorac Dis* 2018;10(4):2166-2178 DOI: doi: 10.21037/jtd.2018.03.106.

2017

- (17) Arrieta O, Garcia-Perez FO, Michel-Tello D, Ramirez-Tirado LA, Pitalua-Cortes Q, Cruz-Rico G, Macedo-Perez EO, Cardona AF, de la Garza-Salazar J. Response assessment of 68Ga- DOTA- E-[c(RGDfK)]₂ PET/CT for lung adenocarcinoma patients treated with nintedanib plus docetaxel. *J Nucl Med*. 2017 Aug 17.
- (18) Avilés-Salas A, Muñiz-Hernández S, Maldonado-Martínez HA, Chanona-Vilchis JG, Ramírez- Tirado LA, Hernández-Pedro N, Dorantes-Heredia R, Ruíz-Morales JM, Motola-Kuba D.

2016

- (19) Arrieta O, Carmona A, Ramírez-Tirado LA, Flores-Estrada D, Macedo-Pérez EO, Martínez- Hernández JN, Corona-Cruz JF, Cardona AF, de la Garza J. Survival of Patients with Advanced Non-Small Cell Lung Cancer Enrolled in Clinical Trials. *Oncology*. 2016 Jul 23.
- (20) Muñiz-Hernández S, Huerta-Yepez S, Hernández-Pedro N, Ramírez-Tirado LA, Aviles-Salas A, Maldonado A, Hernández-Cueto D, Baay-Guzmán G, Arrieta O. Association between nuclear expression of retinoic acid receptor alpha and beta and clinicopathological features and prognosis of advanced non-small cell lung cancer. *Int J Clin Oncol*. 2016 Jun 15.
- (21) Arrieta O, Cruz-Rico G, Soto-Perez-de-Celis E, Ramírez-Tirado LA, Caballe-Perez E, Martínez- Hernández JN, Martínez-Alvarez I, Soca-Chafre G, Macedo-Pérez EO, Astudillo-de la Vega H. Reduction in Hepatocyte Growth Factor Serum Levels is Associated with Improved Prognosis in Advanced Lung Adenocarcinoma Patients Treated with Afatinib: a Phase II Trial. *Target Oncol*. 2016 Apr 1.

2015

- (22) Arrieta O, Ramírez-Tirado LA, Báez-Saldaña R, Peña-Curiel O, Soca-Chafre G, Macedo-Perez EO. Different mutation profiles and clinical characteristics among Hispanic patients with non-small cell lung cancer could explain the "Hispanic paradox". *Journal: Lung Cancer*. 2015 Nov;90(2):161-6. doi: 10.1016/j.lungcan.2015.08.010.
- (23) Arrieta O, Anaya P, Morales-Oyarvide V, Ramírez-Tirado LA, Polanco AC. Cost-effectiveness analysis of EGFR mutation testing in patients with non-small cell lung cancer (NSCLC) with gefitinib or carboplatin-paclitaxel. *Eur J Health Econ*. 2015 Sep 4.
- (24) Cruz-Rico G, Avilés-Salas A, Segura-González M, Espinosa-García AM, Ramírez-Tirado LA, Morales-Oyarvide V, Rojas-Marín C, Cardona AF, Arrieta O. Diagnosis of EML4-ALK Translocation With FISH, Immunohistochemistry, and Real-time Polymerase Chain Reaction in Patients With Non-Small Cell Lung Cancer. *Am J Clin Oncol*. 2015 Aug 11.
- (25) Arrieta O, De la Torre-Vallejo M, López-Macías D, Orta D, Turcott J, Macedo-Pérez EO, Sánchez-Lara K, Ramírez-Tirado LA, Baracos VE. Nutritional Status, Body Surface, and Low Lean Body Mass/Body Mass Index Are Related to Dose Reduction and Severe Gastrointestinal Toxicity Induced by Afatinib in Patients with Non-Small Cell Lung Cancer. *Oncologist*. 2015 Aug;20(8):967-74. doi: 10.1634/theoncologist.2015-0058.
- (26) Arrieta O, Vega-González MT, López-Macías D, Martínez-Hernández JN, Bacon-Fonseca L, Macedo-Pérez EO, Ramírez- Tirado LA, Flores-Estrada D, de la Garza-Salazar J. Lung Cancer. Randomized, open-label trial evaluating the preventive effect of tetracycline on afatinib induced-skin toxicities in non-small cell lung cancer patients. 2015 Jun;88(3):282-8. doi: 10.1016/j.lungcan.2015.03.019. Epub 2015 Mar 28.
- (27) Barrera L, Montes-Servín E, Barrera A, Ramírez-Tirado LA, Salinas-Parra F, Bañales-Méndez JL, Sandoval-Ríos M, Arrieta O. *Ann Oncol*. Cytokine profile determined by data-mining analysis set into clusters of non-small-cell lung cancer patients according to prognosis. 2015 Feb;26(2):428-35. doi: 10.1093/annonc/mdu549. Epub 2014 Dec 1.

2014

- (28) Ramírez- Tirado LA, Tirado-Gómez LL, López-Cervantes M. Inequality in primary care interventions in maternal and child health care in Mexico. *Rev Panam Salud Publica*. 2014 Apr;35(4):235-41. Spanish.
- (29) Arrieta O, Medina LA, Estrada-Lobato E, Ramírez-Tirado LA, Mendoza-García VO, de la Garza-Salazar J. High liposomal doxorubicin tumour tissue distribution, as determined by radiopharmaceutical labelling

with (99m) Tc-LD, is associated with the response and survival of patients with unresectable pleural mesothelioma treated with a combination of liposomal doxorubicin and cisplatin. *Cancer Chemother Pharmacol.* 2014 Jul;74(1):211- 5. doi: 10.1007/s00280-014-2477-x.

Books

2013

- (1) López-Cervantes M, Durán-Arenas LA, Rojas-Rusell ME, Villanueva-Lozano M, Ramírez- Tirado LA. *Citizens Agenda for Science, Technology and Innovation: Public Health First Edition*, 2013 Mexican Academy of Sciences, ISBN: 978-607-96209-1-2.
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CONFERENCES AND ORAL PRESENTATIONS

2019

- (1) ISPOR (International Society for Pharmacoeconomics and Outcomes Research) Europe 2019. Copenhagen, Denmark (2-6 November 2019). Main Author 1 work.
- (2) Latin American Conference on Lung Cancer (LALCA, 2019), International Association for the Study of Lung Cancer (IASLC) in Mexico City, Mexico. Oct 17-19, 2019. Main author 1 project plus co-author 2 works.
- (3) World Conference on Lung Cancer (WCLC, 2019), International Association for the Study of Lung Cancer (IASLC) in Barcelona Spain. Sep 7-10, 2019. Main author 1 project plus co-author 7 works. Available at: [Virtual Library \(WCLC 2019-Ramírez Tirado LA\)](#)

2018

- (4) 20th World Conference on Lung Cancer (WCLC, 2018), International Association for the Study of Lung Cancer (IASLC) in Montreal, Canada. Sep 24-29, 2018. Available at: [Virtual Library \(WCLC 2018-Ramírez Tirado LA\)](#)

2017

- (5) 18th World Conference on Lung Cancer (WCLC, 2017), International Association for the Study of Lung Cancer (IASLC) in Yokohama, Japan. Oct 15-18, 2017. Papers presented (MA.08-10, P1.01-019, P2.01-070, P3.14-012). Available at: [Virtual Library \(WCLC 2017-Ramírez Tirado LA\)](#)

2016

- (6) World Conference on Lung Cancer (WCLC, 2016), International Association for the Study of Lung Cancer (IASLC) in Vienna, Austria. Dec 4-7, 2016. Six papers presented (P1.01-052, P2.03b-003, P2.03b-025, P2.03b-083, P2.03b-088 and P3.02b-125). *Memories: Journal of Thoracic Oncology* (Memories: Journal of Thoracic Oncology Volume 12 Issue S1, S248, S488, S497, S517, S519 and S666 January 2017). Available at: [Virtual Library \(WCLC 2016-Ramírez Tirado LA\)](#)
- (7) Conference of the American Society of Clinical Oncology (ASCO, 2016); *Memories in J Clin Oncol*, Volume: 34, 2016 (suppl, abstract 9096).

2015

- (8) World Lung Cancer Conference (WCLC, 2015), International Association for the Study of Lung Cancer (IASLC) in Denver, Colorado, USA. Four papers presented (MINI02.03, MINI16.11, ORAL30.07 and P3.04-090). *Memories: Journal of Thoracic Oncology* (Volume 10, Number 9, Supplement 2, September 2015, S266, S320 and S232). Verify presented works at: [Virtual Library \(WCLC 2015-Ramírez Tirado LA\)](#)
- (9) XXX Congress of the Latin-American Society of Pathology; XVII Congress of the Latin-American Society of Pediatric Pathology, September 29-October 2, 2015. "Determination of the EML4-ALK translocation with fluorescent in situ hybridization, immunohistochemistry, and real-time polymerase chain reaction in patients with non-small cell lung cancer".
- (10) XXX Congress of the Latin-American Society of Pathology; XVII Congress of the Latin-American Society of Pediatric Pathology, September 29-October 2, 2015 "EGFR score reproducibility by immunohistochemistry, in tissue samples of patients with non-small cell lung cancer".
- (11) XXX Congress of the Latin-American Society of Pathology; XVII Congress of the Latin- American

Society of Pediatric Pathology, September 29-October 2, 2015 "Determination of the EML4-ALK translocation with fluorescent in situ hybridization, immunohistochemistry, and real-time polymerase chain reaction in patients with non-small cell lung cancer".

2014

(12) XXI National Congress of Immunology: 1st. International Symposium on immunity with the Latin American Association of Immunology (ALAI) held from 6 to 10 May 2014, Querétaro, Querétaro.

(13) Research Colloquium of the Master and Doctor of Medicine, Dentistry and Health Program. January 13-16, 2014.

(14) XLVI Medical Surgical Days (INER, 2014)

2010

(15) Research Seminar of the Development to Support Student Research Program. January 22, 2010 (Published in the Gazette of the Faculty of Medicine, February 2010) National University Autonomous of Mexico (UNAM) Mexico City, Mexico. [February, 25th, 2010 \(pp. 5-6\)](#)

2009

(16) Conference on Clinical Pathology conducted at the Hospital of Jesus on May 26/7, 2009.

AWARDS

2019

- **First Place in the Clinical Research Category CANIFARMA Award 2019.**

Issuer: National Chamber of the Pharmaceutical Industry of Mexico (CANIFARMA).

Work: *Effect of the combination of pembrolizumab with docetaxel vs. docetaxel monotherapy in patients with non-small cell lung cancer previously treated in a phase II randomized clinical trial*

- **First Place in the National Research Award in Radiotherapy**

Issuer: Mexican Society of Oncology (SMeO)

Work: *Hypofractionated stereotactic radiotherapy (SBRT) to pulmonary metastatic lesions is associated with a longer progression-free period and overall survival in patients with oligometastatic lung cancer: a prospective study.*

- **First place, Place Clinical Research Award Dr. José Rosenkranz 2019**

Work: *Hypofractionated stereotactic radiotherapy (SBRT) to pulmonary metastatic lesions is associated with a longer progression-free period and overall survival in patients with oligometastatic lung cancer: a prospective study.*

2018

- **First Place in the Clinical Research Category CANIFARMA Award 2019.**

Issuer: National Chamber of the Pharmaceutical Industry of Mexico (CANIFARMA)

Work: *Effect of the combination of Metformin plus TKIs vs. TKIs in patients non small cell lung cancer with EGFR mutated. A Phase II randomized clinical trial.*

2017

- **Distinction as Member of the National System of Researchers Level 1**

National Council of Science and Technology (CONACyT) of Mexico

2015

- **Graduated with Honors in the Master of Science**

- National Autonomous University of Mexico, Mexico City, Mexico

2006

- **Academic Achievement Medal**

- Faculty of Medicine, National Autonomous University of Mexico, Mexico City, Mexico

2005

- **First place, Biology Olympiad, State Level**

National Council of Science and Technology (CONACyT) of Mexico

TEACHING EXPERIENCE

- Aug-Dec 2021 Course: **Principles of Epidemiology (EPIDEM 2021)**
Principal Lecturer(s): Thomas Songer, PhD and Tina Costacou, PhD
Position: Teacher Assistant (TA practicum)
University of Pittsburgh, PA, US
- 2020 Course: **Analysis of Categorical Data**
Position: Principal lecturer
Program: Master's and Doctoral Program in Medical, Dental and Health Sciences (PMDCMOS) at UNAM, Mexico City, Mexico.
- Aug 2017-Present Lecture: **Public Health and Community**
Position: Principal lecturer
Program: Taught Undergraduate Course, Faculty of Medicine,
National Autonomous University of Mexico, México City Mexico
- 2018-2019 Lecture: **Clinical Epidemiology and Evidence -Based Medicine**
Position: Principal lecturer
Program: Taught Undergraduate Course, Faculty of Medicine,
National Autonomous University of Mexico, México City Mexico
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VOLUNTEER AND INTERESTS

- Volunteer delivering lunches and hours of talks to children and adolescents in street situations.
- Volunteer giving sex education talks to adolescents at high school health fairs on an annual basis.
- Classical music (Violin) (School: Ollin Yoliztli, Mexico City, Mexico) (1993-2004).