

# Antonio Olivas-Martinez

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## Education

**University of Washington, Seattle, WA**

PhD, Biostatistics

Expected degree date: Autumn 2024

**Universidad Nacional Autónoma de México, Mexico City, Mexico**

MD, Internal Medicine

January, 2019

**Universidad de Sonora, Hermosillo, Mexico**

BM, Medicine, Graduated with Highest Honors

June, 2014

**Universidad de Sonora, Hermosillo, Mexico**

BMath, Mathematics

February, 2008

## Work Experience

**University of Washington, Seattle, WA**

Research Assistant

Summer 2020 – Present

**National Institute of Health Sciences and Nutrition Salvador Zubirán, Mexico City, Mexico**

Statistic Analyst, Medical doctor

2015 – 2019

**Instituto Mexicano del Seguro Social, Hermosillo, Mexico**

General Practitioner

2013 – 2015

**Universidad de Sonora, Hermosillo, Mexico**

Research Assistant

2007 – 2009

## Teaching Experience

### Teaching Assistant

- National Institute of Health Sciences and Nutrition Salvador Zubirán, Biostatistics for Medical Residents

Fall 2018

### Lecturer

- Mexican Mathematical Olympiad, Algebra; Number Theory

2004 – 2008

- Sonora Mathematical Olympiad, Algebra; Number Theory; Combinatorics; Modern Geometry

2003 – 2014

## Publications

- Martínez-Gamboa A, Niembro-Ortega MD, Torres-González P, Santiago-Cruz J, Velázquez-Zavala NG, Rangel-Cordero A, Crabtree-Ramírez B, Gamboa-Domínguez A, Reyes-Gutiérrez E, Reyes-Terán G, Lozano-Fernandez VH, Ahumada-Topete VH, Martínez-Ayala P, Manríquez-Reyes M, Ramírez-Hinojosa JP, Rodríguez-Zulueta P, Hernández-León C, Ruíz-Quiñones J, Rivera-Martínez NE, Chaparro-Sánchez A, Andrade-Villanueva J, González-Hernández LA, Cruz-Martínez S, Flores-Barrientos O, Gaytán-Martínez JE, Magaña-Aquino M, Cervantes-Sánchez A, **Olivas-Martínez A**, et al. Diagnostic accuracy of antigen detection in urine and molecular assays testing in different clinical samples for the diagnosis of progressive disseminated histoplasmosis in patients living with HIV/AIDS: A prospective multicenter study in Mexico. *PLoS Negl Trop Dis*. 2021 Mar 8;15(3): e0009215. doi: 10.1371/journal.pntd.0009215.
- Moctezuma-Velázquez O, Miranda-Zazueta G, Ortiz-Brizuela E, González-Lara MF, Tamez-Torres KM, Román-Montes CM, Díaz-Mejía BA, Pérez-García E, Villanueva-Reza M, Tovar-Méndez VH, Medrano-Borromeo C, Martínez-Valenzuela A, Jandete-Medina MA, Martínez-Guerra BA, Uscanga-Domínguez L, Sifuentes-Osornio J, Ponce-de-León A, **Olivas-Martínez A**, Moctezuma-Velázquez C. Low thoracic skeletal muscle area is not associated with negative outcomes in patients with COVID-19. *American Journal of Physical Medicine & Rehabilitation*: February 10, 2021 - Ahead of Print - Issue - doi: 10.1097/PHM.0000000000001716

- **Olivas-Martínez A**, Cárdenas-Fragoso JL, Jiménez JV, et al. In-hospital mortality from severe COVID-19 in a tertiary care center in Mexico City; causes of death, risk factors and the impact of hospital saturation. *PLoS One*. 2021 Feb 3;16(2):e0245772. doi: 10.1371/journal.pone.0245772. eCollection 2021.
- Kauffman-Ortega E, Ruiz-Manriquez J, **Olivas-Martínez A**, et al. Liver Transplantation and Inflammatory Bowel Disease: Breaking Barriers in a Low-Income Country. *Liver Transpl*. 2020 Oct 28. doi: 10.1002/lt.25928. Online ahead of print.
- Aguado-Vázquez T, **Olivas-Martínez A**, Cancino-Ramos U, et al. 18f-Fluorodeoxyglucose Positron Emission Tomography Versus Bone Marrow Biopsy for the Evaluation of Bone Marrow Infiltration in Newly Diagnosed Lymphoma Patients. *Rev Invest Clin*. 2020 May 7;73(5). doi: 10.24875/RIC.20000239. Online ahead of print.
- Ortiz-Brizuela E, Caro-Vega Y, Bobadilla-del-Valle M, Leal-Vega F, Criollo-Mora E, López-Luis BA, Esteban-Kenel V, Torres-Ventimilla E, Galindo-Fraga A, **Olivas-Martínez A**, et al. The Influence of Hospital Antimicrobial Use on Carbapenem Non-Susceptible Enterobacteriales Incidence Rates According to Their Mechanism of Resistance: A Time-Series Analysis. *J Hosp Infect*. 2020 Jun 18; S0195-6701(20): 30304-2.
- Ortiz-Brizuela E, Villanueva-Reza M, González-Lara MF, Tamez-Torres KM, Román-Montes C, Díaz-Mejía B, Pérez-García E, **Olivas-Martínez A**, et al. Clinical and epidemiological characteristics of patients diagnosed with COVID-19 in a tertiary care center in Mexico City: a prospective cohort study. *Rev Invest Clin*. 2020; 72(3): 165-177.
- **Olivas-Martínez A**, Barrales-Benítez O, Montante-Montes-de-Oca D, et al. Epidemiology of polycythemia vera in a Mexican population. *memo* 13, 111–117 (2020). <https://doi.org/10.1007/s12254-019-00537-4>
- Martínez-Rueda AJ, **Olivas-Martínez A**, Vega-Vega O, Fonseca-Correa JI, Correa-Rotter R. New 2017 American College of Cardiology/American Heart Association High Blood Pressure Guideline Healthcare Impact in Mexico and Other Developing Countries. *Hypertension*. 2019; 73(1): 142-147.
- Vidal-Mayo JJ, **Olivas-Martínez A**, Pérez-Díaz I, López-Navarro JM, Sánchez-Landa E, Carrillo-Maravilla E, et al. Calculated Versus Measured Urine Osmolarity: Accuracy of Estimated Urine Density. *Rev Invest Clin*. 2018; 70(6): 310-318.
- **Olivas-Martínez A**, Omel'yanov GA. Uniform in Time Description for Weak Solutions of the Hopf Equation with Nonconvex Nonlinearity. *International Journal of Mathematics and Mathematical Sciences*. 2009; 1-16.

## Presentations

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National Congress of the Mexican College of Internal Medicine, <i>Merida, Mexico</i>	<i>November 2018</i>
Kidney Week Meeting of the American Society of Nephrology, <i>San Diego, CA</i>	<i>October 2018</i>
National Congress of Mexican Association for the Study of Hematology, <i>Nuevo Vallarta, Mexico</i>	<i>April 2018</i>
National Congress of the Mexican College of Internal Medicine, <i>Leon, Mexico</i>	<i>November 2017</i>
National Week of Teaching and Research in Mathematics, <i>Hermosillo, Mexico</i>	<i>March 2008</i>

## Technical Skills

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**Advanced:** R

**Intermediate:** SPSS, LaTeX

**Basic:** Stata, Connecting R with SQL and C++

## Service

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**UW Biostatistics Department**

Alumni Relations Committee, member

*2019 – 2020*

**24<sup>th</sup> Iberoamerican Mathematical Olympiad**

Jury Committee, member

*September 2009*

### **46th International Mathematical Olympiad**

Jury Committee, member; Short-list Committee, member; Organizer

*June – July 2005*

### **Mexican Mathematical Olympiad**

Organizer Committee, member

*2004 – 2008*

## **Scholarships and Awards**

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### **University of Washington International Student Tuition Award**

UW Graduate School, *Seattle, WA*.

*September 2019 –  
June 2020*

### **School of Public Health Excellence Award**

UW School of Public Health, *Seattle, WA*.

Recruitment award for students demonstrating excellence and commitment to public health.

*2019*

### **Pat Wahl Endowed Fellowship Award in Biostatistics**

UW Department of Biostatistics, *Seattle, WA*.

Award for students with promise to make significant contributions to public health.

*2019*

### **José Antonio Martín Mora Award to the Best Graduate Thesis Dissertation**

National Institute of Nutrition and Health Sciences Salvador Zubirán, *Mexico City, Mexico*

*2019*

### **First place in the 2005 Pierre Fermat National Contest of Mathematics (Undergraduate)**

Instituto Politécnico Nacional, *Mexico City, Mexico*

*2005*

### **Silver Medal**

17th Iberoamerican Mathematical Olympiad, *Mar del Plata, Argentina*

*2003*

### **Bronze medal**

44th International Mathematical Olympiad, *Tokyo, Japan*

*2003*

### **Gold Medal**

16<sup>th</sup> Mexican Mathematical Olympiad (National Contest), *Colima, Mexico*

*2002*

### **Silver Medal**

15<sup>th</sup> Mexican Mathematical Olympiad (National Contest), *Oaxtepec, Mexico*

*2001*

## **Additional Information**

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- Spanish (native), English (Fluent)
- Enjoy running, reading novels and playing board games