

Rodrigo Javier Macias Zuñiga, M.D.

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Project Development and Professional Experience

- Massachusetts Institute of Technology (MITx) in Collaboration with Emeritus Institute of Management | Teaching Assistant for the MIT Entrepreneurship Online Bootcamp | October 2017 - Present.

- I'm in charge of managing the overall success of the course by coordinating directly with MIT and Emeritus staff and managing MIT mentors and students to successfully complete the course.

- Massachusetts Institute of Technology (MITx) | Teaching Assistant | March 2017 - Present

Teaching Assistant for the MIT Bootcamp MOOCs:

- -You Can Innovate: User Innovation & Entrepreneurship
- -Entrepreneurship 101: Who is your customer?
- -Entrepreneurship 102: What can you do for your customer?
- -Entrepreneurship 103: Show me the money

Teaching Assistant for the Spanish MIT Bootcamp Spanish MOOCs:

- -Emprendimiento 101: ¿Quién es tu cliente?

- Massachusetts Institute of Technology (MIT Global Entrepreneurship Bootcamp) | Alumni Interviewer | January 2017 - Present.

- Interviewer of candidates for the MIT Global Entrepreneurship Bootcamps.
- Collaborated with MIT staff to coordinate the admission process.

- Massachusetts Institute of Technology | Entrepreneurship Mentor | Nov 2016 - February 2017 MIT-University of Guadalajara - You can Innovate: Workshop and User Innovation & Entrepreneurship CCX.

- Provide mentoring services to UdG Students and Faculty about: Entrepreneurship, User Innovation Methodology, Course Content Inquiries, Project Development and Teamwork.
- Collaborate with UdG faculty and MIT mentors and staff to coordinate the course and workshop.

- Founder | BrainX | 2013 - 2016
 - BrainX was a project aimed to help doctors and health professionals choose optimal treatment plans based on each patient's diagnosis to improve the quality of care and manage human error. We provided medical services in our facilities coupled with an Artificial Intelligence (AI) engine to design person specific therapeutics.

- Collaboration with Jovan Rebolledo, PhD from Okinawa University | Development of an artificial intelligence engine to produce personalized diagnostic tools and treatment proposal for patients with brain disorders. | 2015

- Collaboration with Mark Johnson, PhD from Harvard | Documental proposal for gene therapy for Alzheimer's disease targeting APP, PSEN1 and PSEN2 genes. | 2014

- Collaboration with Daniel Davila PhD, Maitri Shah PhD, Arvind Bambhroliya MSc and Adriana Grebenkova MSc from Houston Methodist Cancer research group | Project to commercialize a molecule effective against tumours with NF1 mutation. | 2013

- Research Volunteer | Research Data Management | Neuroscience Institute UdG | 2012

- Laboratory Technician | Immunology and Molecular Biology | Dermatologist Institute | 2012
 - PCR technique and Immunoassays for Psoriasis patients.

Education

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- New Ventures Leadership: Class 4, MIT Global Entrepreneurship Bootcamp | Massachusetts Institute of Technology | 2016
 - Doctor of Medicine (M.D.) | University of Guadalajara | 2011-2015 | Final Grade: 92.77
 - Biotechnology Engineering | Monterrey Institute of Technology and Higher Education | 2010
 - Hlghschool | Salesian College Anahuac Garibaldi | 2007 - 2009 | Final Grade: 88.85

Certificates and Awards

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- Speaker | International Congress of Medical Innovation, Guadalajara's Civil Hospitals | 2017

- Alzheimer's Disease and other Dementias Certificate | National Institute of Geriatrics | 2016
- Algorithms for DNA Sequencing Certificate. | Johns Hopkins University | 2016
- Genomic Data Science with Galaxy. | Johns Hopkins University | 2016
- Introduction to Genomic Technologies | Johns Hopkins University | 2016
- Python for Genomic Data Science | Johns Hopkins University | 2016
- International Summer Program for Entrepreneurs | Stanford University | august 2015
- Honor Code Certificate for Entrepreneurship 101: Who is your customer? | MITx | april 2015
- Honor Code Certificate for Fundamentals of Neuroscience, Part 1: The Electrical Properties of the Neuron | HarvardX | september 2014
- Startup Bootcamp | Mass Challenge | march 2014.

Skills highlights

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| · Entrepreneurship | · User Innovation |
| · Team leadership | · Design thinking |
| · Medical practice | · Molecular biology |
| · Research and development | · Public speaking |
| · Business model creation | · Genomic data science |

Volunteer work

- Staff & entrepreneurship mentor - Campus Party 2014-2015
- Staff & entrepreneurship mentor - Startup Weekend 2014-2015
- Medical Volunteer - Mexican Red Cross 2015-2016