

# HARVARD MEDICAL SCHOOL

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RE: Dr. JAIME ARVIZU

Dear Sir/Madam,

August 6 2016

I am pleased to write a letter of recommendation for Dr. Jaime Arvizu. I highly recommend Jaime to your organization for the position of Vice President of medical affairs. I am the Chief of the Immunology Division at Boston Children's Hospital and the James Gamble Professor of Pediatrics at Harvard Medical School. The clinical programs in our Division include Immunology, Allergy, Rheumatology and Dermatology and are the largest in the USA. They and see about 30, 000 outpatients a year and are a magnet for patients from all over the globe. My own research is centered on Primary immunodeficiency Diseases (PIDs) and atopic dermatitis. Over the past 40 years I have served on a large number of governmental and industrial advisory boards, trained more than 120 fellows in allergy/immunology and run a research laboratory with uninterrupted NIH funding. I chair the International Consortium on Immune Deficiency (ICID), a network focused on PIDs that include 25 centers and more than 80 collaborators mostly in the Middle East, North Africa, and Turkey

I have had the privilege of knowing Dr. Arvizu for the past two years in his capacity as Vice President for Baxalta, now Shire. We have worked together on projects aimed to facilitate the diagnosis and optimize the management of PIDs in emerging countries. I have been deeply impressed by Dr. Arvizu's passion for rare diseases and his commitment to build collaborative partnerships between academia and the industry in order to improve the standards of care of PIDs. Dr. Arvizu has effectively lobbied Baxalta to partner with ICID to provide state-of-the art education to immunologists around the world, access to genetic testing and, more importantly, a forum for consultation, collaboration and partnership with our center at Boston Children's Hospital and Harvard Medical School. Solely through his efforts, ICID has expanded recently to South America to include Argentina Chile, Brazil, Colombia Peru and Colombia. The partnership between ICID and Baxalta that Dr. Arvizu has nurtured has been of tremendous benefits to physicians and patients in emerging counties by providing opportunities for clinical case discussion, access to sophisticated diagnostic tests, assistance in the management of difficult cases and research collaborations. The numerous collaborative publications that resulted have been instrumental in promoting the careers of ICID network participants.

Throughout our interactions, Dr. Arvizu has demonstrated strong leadership, strategic thinking, and a genuine heartfelt desire to help patients have a better quality of life. Over 40 years in academia I have interacted with numerous individual from the industry as advisor, research collaborator and partner in education. I can say without hesitation that Dr. Arvizu is

at the very top of the list of individuals I have come to know. Our interactions have not only been fruitful, but also pleasurable, stimulating, respectful and warm.

I am honored to recommend Dr. Arvizu to any patient centric organization as part of their leadership team. As a dedicated and knowledgeable physician and an accomplished and warm person, he will be a highly beneficial and extremely valuable addition to a pharmaceutical medical affairs leadership organization. He brings exceptional professional and personal skills that will enrich any company fortunate enough to recruit him. I recommend him with the highest degree of enthusiasm possible.

Sincerely,

A handwritten signature in black ink, appearing to read 'Raif Geha', positioned below a horizontal line.

Raif Geha