

Fernando A. Alvarez-Núñez, Ph.D.
Brief Biography

Dr. Fernando Alvarez-Núñez holds the position of Scientific Senior Director at Amgen where he is the Head of the Late-Stage Synthetics Drug Product group within the Drug Product Technologies department. His responsibilities include the leading of 30+ scientists and engineers during the design, development, and manufacture of scientifically sound formulations and processes for modality independent new molecules in support of late phase clinical trials and launch of commercial products. The execution of technology transfers and generation of relevant data for global regulatory filings are also part of his responsibilities. Doctor Alvarez-Núñez also leads the development and commercialization of Life Cycle Management of synthetic drug products for Amgen. Prior joining Amgen, he worked for Pfizer Global R&D for several years holding positions of increased responsibility.

Dr. Alvarez-Núñez is a member of the Drug Product Leadership Group of the International Consortium for Innovation and Quality for Pharmaceutical Development (IQ), the Editorial Advisory Board of the Journal of Pharmaceutical Sciences and was a member of the Council of Experts of The United States Pharmacopeia. Recently, his group was awarded with the “2022 Prix Galien Award” for the “Best Pharmaceutical Product”. He has been Honorary Professor for Queen's University Belfast (UK), and Adjunct Professor for University of Kansas (USA) and Purdue University (USA). He has published numerous papers on theoretical and industrially approaches for the development of new drug molecules with chemical, physical, and/or development challenges. His current interest focuses on the development of patient friendly dosage forms (eg. pediatrics, geriatrics, special populations) and the rational application of technologies for the enhancement of solubility of poorly soluble drugs. His most recent publications elaborate on the continuous manufacture of pharmaceutical relevant materials (ie. cocrystals, amorphous complex, salts, etc.) by Twin Screw Extrusion technology.

Dr. Alvarez-Núñez earned a Ph.D. degree in Pharmaceutical Sciences with Minor in Material Sciences and Engineering from the University of Arizona. He obtained a M.Sc. degree in Physical Chemistry from Technological Institute of Higher Studies of Monterrey, Mexico and a B.Sc. degree in Pharmacy from the National University of Mexico.