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## Nunez, Francisco

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POSITION TITLE & INSTITUTION: Postdoctoral Research Associate, Chapman University

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### A. PROFESSIONAL PREPARATION

INSTITUTION	LOCATION	MAJOR / AREA OF STUDY	DEGREE	YEAR
Chapman University	Irvine, CA	Pharmaceutical Science	Ph.D.	2022
Chapman University	Irvine, CA	Pharmaceutical Sciences	M.Sc.	2018
University of California, Davis	Davis, CA	Molecular Biology	B.Sc.	2013

### B. POSITIONS

2022 - present Postdoctoral Research Associate, Chapman University, Irvine, CA  
2021 - 2022 Graduate Research Assistant II, Chapman University, Irvine, CA  
2020 - 2021 Graduate Research Assistant I, Chapman University, Irvine, CA  
2018 - 2020 Graduate Course Assistant, Chapman University, Irvine, CA  
2013 - 2015 Research Assistant, Affymetrix, Santa Clara, CA

### C. SELECTED PEER-REVIEWED PUBLICATIONS

1. Nunez FJ, Schulte NA, Fogel DM, Michalski J, Rennard SI, Penn RB, Toews ML, Ostrom RS. Agonist-specific desensitization of PGE<sub>2</sub>-stimulated cAMP signaling due to upregulated phosphodiesterase expression in human lung fibroblasts. *Naunyn Schmiedebergs Arch Pharmacol.* 2020 May;393(5):843-856. PubMed Central PMCID: [PMC7328663](#).
2. Nuñez FJ, Johnstone TB, Corpuz ML, Kazarian AG, Mohajer NN, Tliba O, Panettieri RA Jr, Koziol-White C, Roosan MR, Ostrom RS. Glucocorticoids rapidly activate cAMP production via G<sub>αs</sub> to initiate non-genomic signaling that contributes to one-third of their canonical genomic effects. *FASEB J.* 2020 Feb;34(2):2882-2895. PubMed Central PMCID: [PMC7027561](#).
3. Ojiaku CA, Chung E, Parikh V, Williams JK, Schwab A, Fuentes AL, Corpuz ML, Lui V, Paek S, Bexiga NM, Narayan S, Nunez FJ, Ahn K, Ostrom RS, An SS, Panettieri RA Jr. Transforming Growth Factor-β1 Decreases β<sub>2</sub>-Agonist-induced Relaxation in Human Airway Smooth Muscle. *Am J Respir Cell Mol Biol.* 2019 Aug;61(2):209-218. PubMed Central PMCID: [PMC6670035](#).
4. Riahifard N, Mozaffari S, Aldakhil T, Nunez F, Alshammari Q, Alshammari S, Yamaki J, Parang K, Tiwari RK. Design, Synthesis, and Evaluation of Amphiphilic Cyclic and Linear Peptides Composed of Hydrophobic and Positively-Charged Amino Acids as Antibacterial Agents. *Molecules.* 2018 Oct 22;23(10) PubMed Central PMCID: [PMC6222377](#).
5. Schmidt M, Cattani-Cavaliere I, Nuñez FJ, Ostrom RS. Phosphodiesterase isoforms and cAMP compartments in the development of new therapies for obstructive pulmonary diseases. *Curr Opin Pharmacol.* 2020 Apr;51:34-42. PubMed Central PMCID: PMC7529846.