

Exponent®
Engineering & Scientific Consulting

Amit Kumar

Senior Scientist | User Sciences
Bellevue
+1-425-519-8749 | akumar@exponent.com

Professional Profile

Mr. Kumar offers expertise in spearheading large-scale, multi-site and decentralized clinical trials and studies, having operated on the research side of numerous projects within the field of rheumatology. Trained and certified in Good Clinical Practice (GCP) for clinical investigations on medical devices, he has experience in conceptualizing and executing human participant research studies for wearable technologies and pharmaceuticals. Within this space, he specializes in clinical data management, program development, data collection, administrative support, and process improvement.

Prior to joining Exponent, Mr. Kumar worked as a Program Coordinator for the National Studies on Air Pollution & Health (NSAPH), providing administrative and data management support to a diverse research group that broadly leverages biostatistics and data science methodologies to examine the effects of environmental exposures on health outcomes. He has also published research on a diverse array of medical and public health fields including population health, digital health, as well as learning and memory neuroscience. He earned his MPH from the Harvard T.H. Chan School of Public Health in 2023, specializing in health policy.

Academic Credentials & Professional Honors

M.P.H., Health Policy, Harvard T.H. Chan School of Public Health, 2022

B.S., Physiological Science, University of California, Los Angeles (UCLA), 2018

Prior Experience

Program Coordinator, National Studies on Air Pollution & Health (NSAPH), 2021 – 2023

Clinical Research Coordinator, Attune Health, 2018 – 2021

Co-Founder/President, Morning Sign Out: UCLA Chapter, 2016 – 2018

Publications

Mork D, Puri N, Kumar A, Delaney S, Zanobetti A, Braun D. Racial/Ethnic Disparities in Health Outcomes of Alzheimer's Disease and Related Dementias Among Medicare Beneficiaries: A Systematic Literature Review. Submitted to Neuroepidemiology.

Venuturupalli S, Kumar A, Bunyan A, Davuluri N, Fortune N, Reuter K. Using Patient-Reported Health Data From Social Media to Identify Diverse Lupus Patients and Assess Their Symptom and Medication Expressions: A Feasibility Study. Arthritis Care Res (Hoboken). 2023 Feb;75(2):365-372. doi: 10.1002/acr.24868. Epub 2022 Oct 31. PMID: 35157364; PMCID: PMC9375779.

© 2026 Exponent, Inc. All Rights Reserved

Roberts AC, Alzagatiti JB, Ly DT, Chornak JM, Ma Y, Razee A, Zavradyan G, Khan U, Lewis J, Natarajan A, Baibussinov A, Emtage J, Komaranchath M, Richards J, Hoang M, Alipio J, Laurent E, Kumar A, Campbell CS, Stark R, Carmona J, Hussain A, Scaramella C, Husain J, Buck R, Jafarpour A, Garcia M, Mendoza S, Sandoval G, Agundez B, Fink A, Deutsch E, Hernandez SC, Arisaka K, Glanzman DL. Induction of Short-Term Sensitization by an Aversive Chemical Stimulus in Zebrafish Larvae. eNeuro. 2020 Dec 4;7(6):ENEURO.0336-19.2020. doi: 10.1523/ENEURO.0336-19.2020. Erratum in: eNeuro. 2022 Jan 21;9(1): PMID: 33004417; PMCID: PMC7729299.

Kumar, A (2021). Chapter 1: Epidemiology of COVID-19. Challenges in the Pandemic: A Multidisciplinary Approach. Thieme Medical Publishing Group, Noida, Uttar Pradesh, India.

Yang HH, Chwa WJ, Yuen SB, Huynh JD, Chan JS, Kumar A, Dhanjani SA, Gee GC, Cowgill BO. APA Health CARE: A Student-Led Initiative Addressing Health Care Barriers Faced by the Asian and Pacific Islander American Immigrant Population in Los Angeles. J Community Health. 2021 Apr;46(2):367-379. doi: 10.1007/s10900-020-00915-8. PMID: 32909155.

Venuturupalli RS, Chu T, Vicari M, Kumar A, et al. Virtual Reality-Based Biofeedback and Guided Meditation in Rheumatology: A Pilot Study. ACR Open Rheumatol (2019). Published 2019 Nov 11. doi: 10.1002/acr2.11092. PMID: 31882189.

Presentations

Venuturupalli RS, Ben-Artzi A, Amjad T, Kumar A, Davuluri N, Chu T, Khan U, Parra D, Fortune N, Jeffries C. Assessing the Role of the NLRP3 Inflammasome in Driving Inflammation in Affected Joints of Patients with Inter-critical Gout. Abstract presented at the American College of Rheumatology 2022 Meeting.

Alzagatiti J, Chornak J, Kumar A, Khan U, Garcia M, Jafarpour A, Stark R, Natarajan A, Lewis J, Roberts A, Glanzman DL. Allyl isothiocyanate-induced sensitization of movement in freely swimming larval zebrafish (Danio Rerio). Abstract Presented at Society for Neuroscience Convention in San Diego, California, November 3-7, 2018.