Stanford



Raj Fadadu

Casual - Non-Exempt, Epidemiology and Population Health

Bio

BIO

Raj Fadadu is currently in his final year of medical school at the University of California, San Francisco (UCSF) School of Medicine and interested in pursuing a career in dermatology.

He has experience conducting epidemiology research projects, particularly related to environmental exposures and skin diseases (e.g., atopic dermatitis and psoriasis) and epigenetics (e.g., EWAS and epigenetic age acceleration). He also holds leadership roles in local and national organizations involved in climate change advocacy and education, working to improve community and patient health. In addition, he is a strong advocate for health equity and increasing access to medical care for people experiencing homelessness and has implemented innovative projects to do so while serving as an Albert Schweitzer Fellow and Director of student-run free clinics in Berkeley, CA. For his impactful work, he was named an Environmental Education "30 Under 30" in 2022 and received the Excellence in Climate Leadership Award from the American Public Health Association in 2022 and Emerging Physician Leader Award from Health Care Without Harm in 2021.

He received a M.S. degree in Health and Medical Sciences (with concentrations in Environmental Research and Healthcare Management) from the UC Berkeley School of Public Health and received a B.A. degree in Public Health from UC Berkeley (graduated with Highest Distinction and Research Honors).

Publications

PUBLICATIONS

- Ultraviolet A radiation exposure and melanoma: a review. *Melanoma research* Fadadu, R. P., Wei, M. L. 2022; 32 (6): 405-410
- Increased epigenetic age acceleration in the hidradenitis suppurativa skin. Archives of dermatological research Lukac, D., Pagani, K., Collender, P. A., Fadadu, R. P., Cardenas, A., McGee, J. S. 2022
- Association of Exposure to Wildfire Air Pollution With Exacerbations of Atopic Dermatitis and Itch Among Older Adults. *JAMA network open* Fadadu, R. P., Green, M., Jewell, N. P., Grimes, B., Vargo, J., Wei, M. L. 2022; 5 (10): e2238594
- Dermatology Societies Should Explore Fossil Fuel Divestment. JAMA dermatology Fadadu, R. P., Williams, M. L., Rosenbach, M. 2022; 158 (10): 1121-1122
- Associations between wildfire air pollution and online search interest for skin diseases and symptoms. *JAAD international* Fadadu, R. P., Chen, J. Y., Wei, M. L.

2022; 8: 128-130

- Medical Students as Agents of Change in the Climate Crisis ACADEMIC MEDICINE Fadadu, R. P., Hampshire, K. N., Ndovu, A. M. 2022; 97 (8): 1104-1105
- Disparities in access for melanoma screening by region, specialty, and insurance: A cross-sectional audit study. JAAD international Cortez, J. L., Fadadu, R. P., Konda, S., Grimes, B., Wei, M. L. 2022: 7: 78-85
- Epigenome-wide association study and epigenetic age acceleration associated with cigarette smoking among Costa Rican adults. Scientific reports Cardenas, A., Ecker, S., Fadadu, R. P., Huen, K., Orozco, A., McEwen, L. M., Engelbrecht, H., Gladish, N., Kobor, M. S., Rosero-Bixby, L., Dow, W. H., Rehkopf, D. H. 2022; 12 (1): 4277

• Epigenetic aging biomarkers and occupational exposure to benzene, trichloroethylene and formaldehyde ENVIRONMENT INTERNATIONAL Van der Laan, L., Cardenas, A., Vermeulen, R., Fadadu, R. P., Hubbard, A. E., Phillips, R., Zhang, L., Breeze, C., Hu, W., Wen, C., Huang, Y., Tang, X., Smith, et al

2022; 158: 106871

• Dietary fat intake during early pregnancy is associated with cord blood DNA methylation at IGF2 and H19 genes in newborns ENVIRONMENTAL AND MOLECULAR MUTAGENESIS

Chiu, Y., Fadadu, R. P., Gaskins, A. J., Rifas-Shiman, S. L., Laue, H. E., Moley, K. H., Hivert, M., Baccarelli, A., Oken, E., Chavarro, J. E., Cardenas, A. 2021; 62 (7): 388-398

- Association of Wildfire Air Pollution and Health Care Use for Atopic Dermatitis and Itch. JAMA dermatology Fadadu, R. P., Grimes, B., Jewell, N. P., Vargo, J., Young, A. T., Abuabara, K., Balmes, J. R., Wei, M. L. 2021; 157 (6): 658-666
- Controlled human exposures to diesel exhaust: a human epigenome-wide experiment of target bronchial epithelial cells ENVIRONMENTAL EPIGENETICS Cardenas, A., Fadadu, R. P., Van der Laan, L., Ward-Caviness, C., Granger, L., Diaz-Sanchez, D., Devlin, R. B., Bind, M. 2021; 7 (1): dvab003
- Bridge the Gap: Reducing Inequity in Hospital Readmissions for African American Patients with Heart Failure Through Quality Improvement Initiatives. Health equity

Ornelas, C., Fadadu, R. P., Richardson, M. A., Agboghidi, O. H., Davis, J. D. 2021; 5 (1): 30-34

• Stress testing reveals gaps in clinic readiness of image-based diagnostic artificial intelligence models NPJ DIGITAL MEDICINE Young, A. T., Fernandez, K., Pfau, J., Reddy, R., Cao, N., von Franque, M. Y., Johal, A., Wu, B. V., Wu, R. R., Chen, J. Y., Fadadu, R. P., Vasquez, J. A., Tam, et al

2021; 4 (1): 10

- Climate and health education for medical students CLINICAL TEACHER Fadadu, R. P., Jayaraman, T., Teherani, A. 2021; 18 (4): 362-364
- Differences in the Estimation of Wildfire-Associated Air Pollution by Satellite Mapping of Smoke Plumes and Ground-Level Monitoring. International journal of environmental research and public health

Fadadu, R. P., Balmes, J. R., Holm, S. M. 2020; 17 (21)

- Pediatric Workplace Learning Opportunities for Medical Students: Is Scribing a Win-Win? ACADEMIC PEDIATRICS Bachrach, L., Fadadu, R., Sharp, M., Irby, D. M. 2020; 21 (3): 580-582
- Distinct mechanisms of microRNA sorting into cancer cell-derived extracellular vesicle subtypes. *eLife* Temoche-Diaz, M. M., Shurtleff, M. J., Nottingham, R. M., Yao, J., Fadadu, R. P., Lambowitz, A. M., Schekman, R. 2019:8

Trace Metal Content of Coal Exacerbates Air-Pollution-Related Health Risks: The Case of Lignite Coal in Kosovo. Environmental science & technology

Kittner, N., Fadadu, R. P., Buckley, H. L., Schwarzman, M. R., Kammen, D. M. 2018; 52 (4): 2359-2367

- Renewable Additives that Improve Water Resistance of Cellulose Composite Materials *JOURNAL OF RENEWABLE MATERIALS* Buckley, H. L., Touchberry, C. H., McKinley, J. P., Mathe, Z. S., Muradyan, H., Ling, H., Fadadu, R. P., Mulvihill, M. J., Amrose, S. E. 2017; 5 (1): 1-13
- Electronic cigarette marketers manipulate antitobacco advertisements to promote vaping. *Tobacco control* Ramamurthi, D., Fadadu, R. P., Jackler, R. K. 2015