Stanford

James Regun Karmoker

Postdoctoral Scholar, Ophthalmology

Bio

BIO

Dr. James Regun Karmoker started his career as a Lecturer at the University of Asia Pacific, Bangladesh, after completing his B. Pharm and MS Pharm Tech from the same university. He obtained a doctorate degree in Vision Science from the University of Oklahoma, USA, where he studied immune cell activation in the context of retinal pigment epithelium injury. Currently, he is a postdoctoral scholar in Prof. Mary Elizabeth Hartnett's lab studying age-related macular degeneration.

HONORS AND AWARDS

- Qais Farjo, MD Memorial Travel Grant, Association for Research in Vision and Ophthalmology (2021)
- Travel Grant from Bangladesh-Sweden Trust Fund (BSTF) - 2019 Session, Ministry of Finance, Government of the People's Republic of Bangladesh (2021)
- Vice Chancellor's List of Meritorious Students Award, University of Asia Pacific (2013-2015)
- Deans's List of Meritorious Students Award, University of Asia Pacific (2012)

PROFESSIONAL EDUCATION

- Doctor of Philosophy, University of Oklahoma (2025)
- MS in Pharmaceutical Technology, University of Asia Pacific (2016)
- Bachelor of Pharmacy (Honours), University of Asia Pacific (2015)

STANFORD ADVISORS

- Mary Elizabeth Hartnett, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **Mouse and Rat Oxygen-Induced Retinopathy Models to Study Vascular Features Seen in Retinopathy of Prematurity.** *Bio-protocol*
  Tankersley, M. P., Beri, S., Ramshekar, A., Asare-Bediako, B., Shah, N. S., Karmoker, J. R., Huang, H. C., Hartnett, E. M.
  2026; 16 (15): e5771
- **Aryl hydrocarbon receptor (AhR)-mediated immune responses to degeneration of the retinal pigment epithelium** *BIOCHIMICA ET BIOPHYSICA ACTA-MOLECULAR BASIS OF DISEASE*
  Karmoker, J., Bounds, S. E., Cai, J.
  2024; 1870 (7): 167351
- **Interleukin-17-mediated protective cytokine signaling against degeneration of the retinal pigment epithelium** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
  Chen, Y., Bounds, S. E., Ma, X., Karmoker, J., Liu, Y., Ma, J., Cai, J.
  2023; 120 (51): e2311647120
- **A comprehensive analysis of selected medicines collected from private drug outlets of Dhaka city, Bangladesh in a simple random survey** *SCIENTIFIC REPORTS*

Rahman, M., Yoshida, N., Tsuboi, H., Karmoker, J., Kabir, N., Schaefermann, S., Akimoto, Y., Bhuiyan, M., Reza, M., Kimura, K.
2022; 12 (1): 234

- **Evaluation of serum amino acids and non-enzymatic antioxidants in drug-naive first-episode major depressive disorder** *BMC PSYCHIATRY*
  Islam, M., Ali, S., Karmoker, J., Kadir, M., Ahmed, M., Nahar, Z., Islam, S., Islam, M., Hasnat, A., Islam, M.
  2020; 20 (1): 333

- **Evaluation of Serum Interleukin-6 and C-reactive Protein Levels in Drug-naive Major Depressive Disorder Patients** *CUREUS JOURNAL OF MEDICAL SCIENCE*
  Nishuty, N., Khandoker, M., Karmoker, T., Ferdous, S., Shahriar, M., Qusar, M., Islam, M., Kadir, M., Islam, M.
  2019; 11 (1): e3868