

Stanford

Danish Khan

Postdoctoral Scholar, Biochemistry

Bio

BIO

Danish is a postdoctoral research associate at the Brandman Lab at the Dept. of Biochemistry. His research focuses on understanding the mechanism of eukaryotic protein quality control and stress response pathways. Before joining Stanford, Danish earned his PhD from Texas A&M University, College Station, TX where he studied chemical inhibition of a lipid signaling protein and discovered a novel heme-binding lipid transfer protein. He also holds a Masters degree in Biotechnology from Banaras Hindu University in India, and a Bachelors degree from Presidency College, Kolkata (University of Calcutta), India. In addition to science, he likes to read about law and intersection of law and technology.

HONORS AND AWARDS

- Mikitani Cancer Research Fellowship, Stanford Cancer Institute (September, 2022)
- Dean's Fellowship, Stanford University (August, 2020)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Member, American Society for Biochemistry and Molecular Biology (2015 - present)

PROFESSIONAL EDUCATION

- Doctor of Philosophy, Texas A&M University College Station (2018)
- Master of Science, Banaras Hindu University (2013)
- Bachelor of Science, University Of Calcutta (2010)

STANFORD ADVISORS

- Onn Brandman, Postdoctoral Faculty Sponsor
- Onn Brandman, Postdoctoral Research Mentor

Publications

PUBLICATIONS

- **ReporterSeq reveals genome-wide dynamic modulators of the heat shock response across diverse stressors.** *eLife*
Alford, B. D., Tassoni-Tsuchida, E., Khan, D., Work, J. J., Valiant, G., Brandman, O.
2021; 10
- **A Sec14-like phosphatidylinositol transfer protein paralog defines a novel class of heme-binding proteins** *ELIFE*
Khan, D., Lee, D., Gulten, G., Aggarwal, A., Wofford, J., Krieger, I., Tripathi, A., Patrick, J. W., Eckert, D. M., Laganowsky, A., Sacchettini, J., Lindahl, P., Bankaitis, et al
2020; 9
- **Biophysical Parameters of the Sec14 Phospholipid Exchange Cycle** *BIOPHYSICAL JOURNAL*
Sugiura, T., Takahashi, C., Chuma, Y., Fukuda, M., Yamada, M., Yoshida, U., Nakao, H., Ikeda, K., Khan, D., Nile, A. H., Bankaitis, V. A., Nakano, M.
2019; 116 (1): 92–103

- **Target Identification and Mechanism of Action of Picolinamide and Benzamide Chemotypes with Antifungal Properties** *CELL CHEMICAL BIOLOGY*
Pries, V., Noecker, C., Khan, D., Johnen, P., Hong, Z., Tripathi, A., Keller, A., Fitz, M., Perruccio, F., Filipuzzi, I., Thavam, S., Aust, T., Riedl, et al
2018; 25 (3): 279-+
- **Structural elements that govern Sec14-like P1TP sensitivities to potent small molecule inhibitors** *JOURNAL OF LIPID RESEARCH*
Khan, D., McGrath, K. R., Dorosheva, O., Bankaitis, V. A., Tripathi, A.
2016; 57 (4): 650-62
- **Phosphatidylinositol transfer proteins and instructive regulation of lipid kinase biology** *BIOCHIMICA ET BIOPHYSICA ACTA-MOLECULAR AND CELL BIOLOGY OF LIPIDS*
Grabon, A., Khan, D., Bankaitis, V. A.
2015; 1851 (6): 724-35
- **Mechanisms by which small molecules of diverse chemotypes arrest Sec14 lipid transfer activity.** *The Journal of biological chemistry*
Chen, X., Poudel, L., Hong, Z., Johnen, P., Katti, S., Tripathi, A., Nile, A. H., Green, S. M., Khan, D., Schaaf, G., Bono, F., Bankaitis, V. A., Igumenova, et al
2023; 299 (2): 102861
- **Sis1 delivers the State of the Union.** *The Journal of cell biology*
Khan, D. n., Brandman, O. n.
2021; 220 (1)