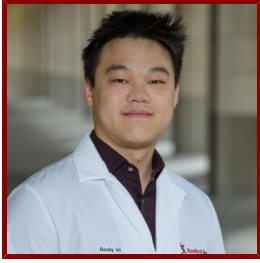


Stanford



Rocky An

- Ph.D. Student in Bioengineering, admitted Summer 2023
- Ph.D. Minor, Electrical Engineering

Bio

EDUCATION AND CERTIFICATIONS

- BS, Cornell University , Mechanical Engineering, Biological Engineering (2023)

Research & Scholarship

LAB AFFILIATIONS

- Manu Prakash, Prakash Lab (6/26/2023)

Publications

PUBLICATIONS

- **Simple low-cost Synthesis of crosslinker DHEBA (N,N'-(1,2-dihydroxyethylene)bis-acrylamide)**
An, R., Prakash, M.
protocols.io.
2026 doi.org/10.17504/protocols.io.36wgqx8b3lk5/v1
- **Novel requirements for HAP2/GCS1-mediated gamete fusion in Tetrahymena.** *iScience*
Pinello, J. F., Loidl, J., Seltzer, E. S., Cassidy-Hanley, D., Kolbin, D., Abdelatif, A., Rey, F. A., An, R., Newberger, N. J., Bisharyan, Y., Papoyan, H., Byun, H., Aguilar, et al
2024; 27 (6): 110146
- **Influence of the spaceflight environment on macrophage lineages.** *NPJ microgravity*
An, R., Blackwell, V. K., Harandi, B., Gibbons, A. C., Siu, O., Irby, I., Rees, A., Cornejal, N., Sattler, K. M., Sheng, T., Syracuse, N. C., Loftus, D., Santa Maria, et al
2024; 10 (1): 63
- **Neutrophils bearing adhesive polymer micropatches as a drug-free cancer immunotherapy.** *Nature biomedical engineering*
Kumbhojkar, N., Prakash, S., Fukuta, T., Adu-Berchie, K., Kapate, N., An, R., Darko, S., Chandran Suja, V., Park, K. S., Gottlieb, A. P., Bibbey, M. G., Mukherji, M., Wang, et al
2024
- **Single Cells Signal Non-self from Self via 'XOR' and 'NOT EQUALS' Logic in a Dimer of Dimers** *bioRxiv : the preprint server for biology*
An, R., Prakash, M.
2024; 10.01
- **MRTF may be the missing link in a multiscale mechanobiology approach toward macrophage dysfunction in space** *FRONTIERS IN CELL AND DEVELOPMENTAL BIOLOGY*
An, R.
2022; 10

- **CAMDLES: CFD-DEM Simulation of Microbial Communities in Spaceflight and Artificial Microgravity** *LIFE-BASEL*
An, R., Lee, J.
2022; 12 (5)