



Manish Ayushman

Ph.D. Student in Bioengineering, admitted Autumn 2019

Bio

EDUCATION AND CERTIFICATIONS

- Master of Science, Stanford University , BIOE-MS (2021)
- M.Tech., Indian Institute of Technology (IIT), Kharagpur , Chemical Engineering (2019)
- B.Tech., Indian Institute of Technology (IIT), Kharagpur , Chemical Engineering (2019)

Research & Scholarship

LAB AFFILIATIONS

- Fan Yang, Stem Cells and Biomaterials Engineering Laboratory (8/26/2019 - 12/12/2019)

Professional

WORK EXPERIENCE

- Undergraduate Research Fellow (Khorana Scholar) - Johns Hopkins University (May 15, 2018 - July 31, 2018)
- Undergraduate Research Assistant - Indian Institute of Technology (IIT), Kharagpur (November 10, 2015 - May 15, 2019)
- Undergraduate Summer Research Fellow - Indian Institute of Science (IISc), Bangalore (May 4, 2017 - July 28, 2017)

Publications

PUBLICATIONS

- **Dynamically Crosslinked PEG Hydrogels Reveal a Critical Role of Viscoelasticity in Modulating Glioblastoma Fates and Drug Responses in 3D.** *Advanced healthcare materials*
Sinha, S., Ayushman, M., Tong, X., Yang, F.
2022: e2202147
- **Sliding hydrogels enhance MSC chondrogenesis by facilitating early stage cytoskeletal/nuclear dynamics and mechanical loading**
Ayushman, M., Tong, X., Yang, F.
CELL PRESS.2022: 265A
- **Interfacial energy driven distinctive pattern formation during the drying of blood droplets.** *Journal of colloid and interface science*
Mukhopadhyay, M., Ray, R., Ayushman, M., Sood, P., Bhattacharyya, M., Sarkar, D., DasGupta, S.
2020; 573: 307-316
- **DCTN5 mutant mice reveal a role for dynactin in lens biogenesis**
Yeh, T., Zion, E., Caverts, A., Ayushman, M., Dong, F., Zhao, H., Schroer, T.
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2019

- **Analysis of the Distinct Pattern Formation of Globular Proteins in the Presence of Micro- and Nanoparticles.** *The journal of physical chemistry. B*
Sett, A., Ayushman, M., Dasgupta, S., DasGupta, S.
2018; 122 (38): 8972-8984