



## Sauradeep Sinha

Ph.D. Student in Bioengineering, admitted Autumn 2017

### Publications

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#### PUBLICATIONS

- **Matrix stiffness modulates patient-derived glioblastoma cell fates in 3D hydrogels.** *Tissue engineering. Part A*  
Wang, C. n., Sinha, S. n., Jiang, X. n., Murphy, L. n., Fitch, S. n., Wilson, C. n., Grant, G. n., Yang, F. n.  
2020
- **A comparative study of brain tumor cells from different age and anatomical locations using 3D biomimetic hydrogels.** *Acta biomaterialia*  
Wang, C. n., Sinha, S. n., Jiang, X. n., Fitch, S. n., Wilson, C. n., Caretti, V. n., Ponnuswami, A. n., Monje, M. n., Grant, G. n., Yang, F. n.  
2020
- **Mimicking brain tumor-vasculature microanatomical architecture via co-culture of brain tumor and endothelial cells in 3D hydrogels** *BIOMATERIALS*  
Wang, C., Li, J., Sinha, S., Peterson, A., Grant, G. A., Yang, F.  
2019; 202: 35–44
- **Mimicking brain tumor-vasculature microanatomical architecture via co-culture of brain tumor and endothelial cells in 3D hydrogels.** *Biomaterials*  
Wang, C., Li, J., Sinha, S., Peterson, A., Grant, G. A., Yang, F.  
2019; 202: 35–44
- **Tissue-engineered 3D Models for Elucidating Primary and Metastatic Bone Cancer Progression.** *Acta biomaterialia*  
González Díaz, E. C., Sinha, S. n., Avedian, R. S., Yang, F. n.  
2019
- **Co-coating of receptor-targeted drug nanocarriers with anti-phagocytic moieties enhances specific tissue uptake versus non-specific phagocytic clearance** *BIOMATERIALS*  
Kim, J., Sinha, S., Solomon, M., Perez-Herrero, E., Hsu, J., Tsinas, Z., Muro, S.  
2017; 147: 14–25
- **Investigating aging effects for porous silicon energetic materials** *COMBUSTION AND FLAME*  
Sinha, S., Piekielek, N. W., Smith, G. L., Morris, C. J.  
2017; 181: 164–71