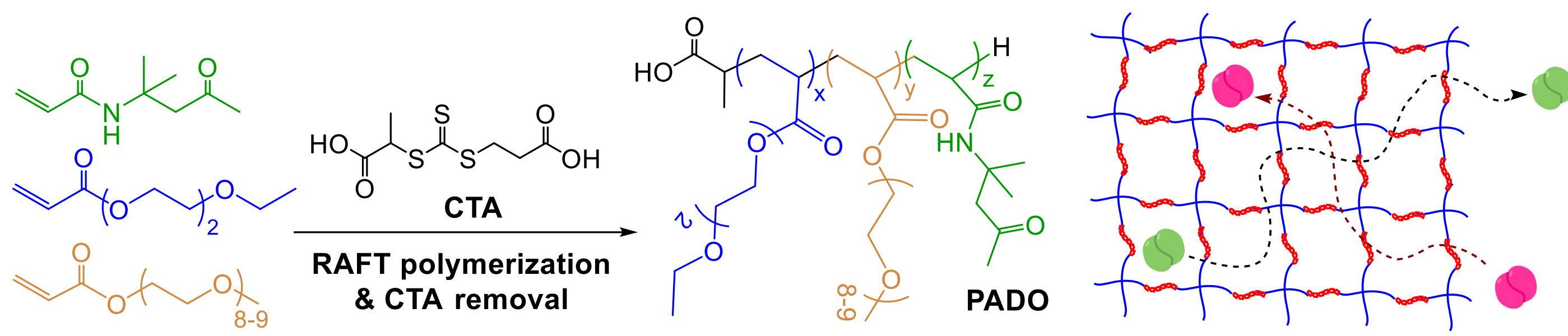
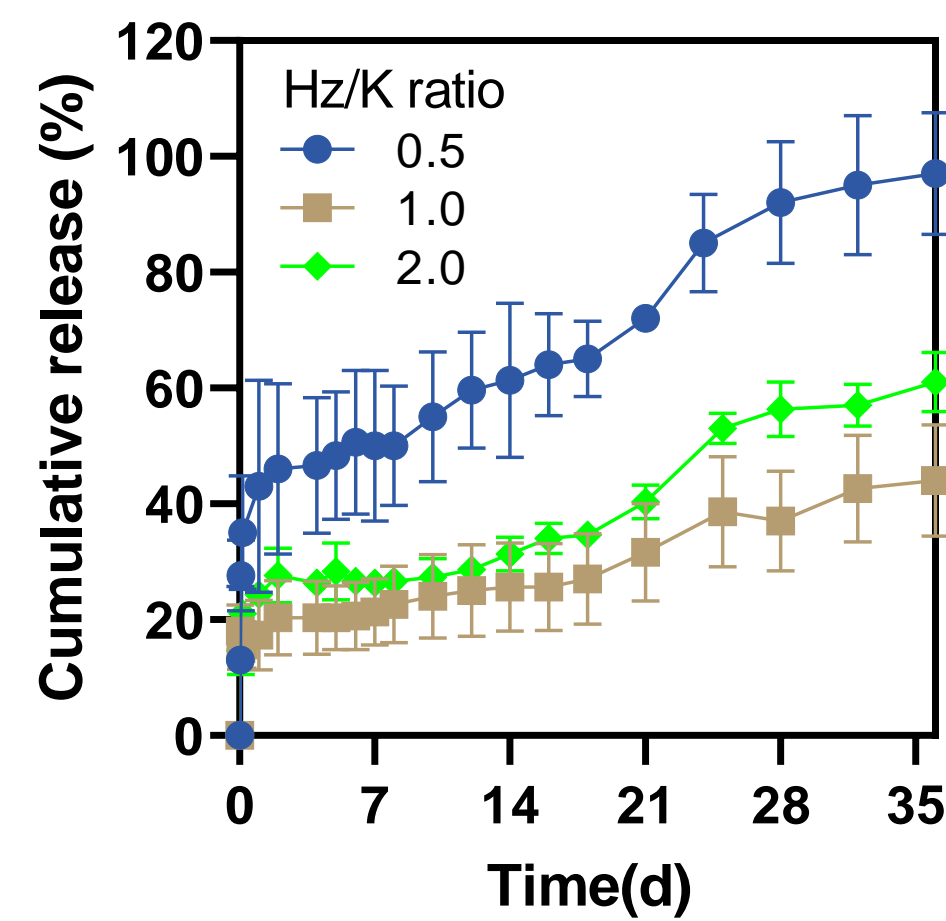
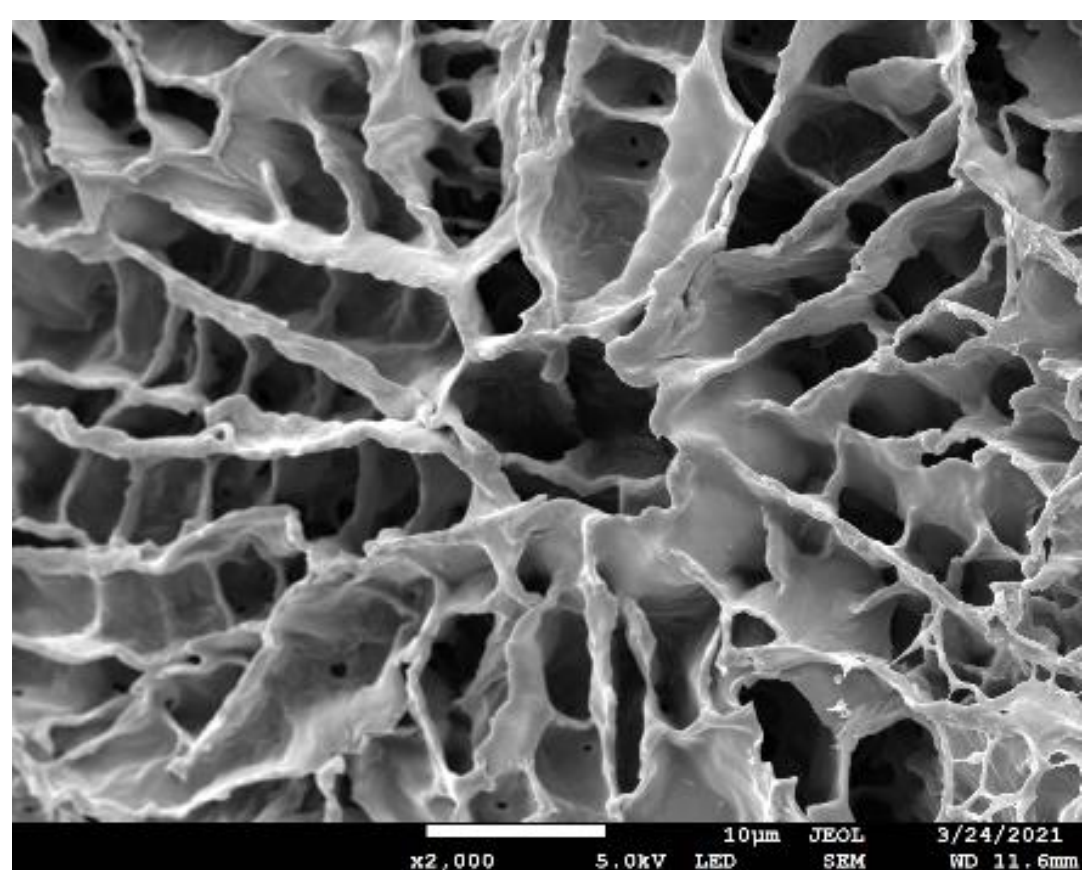
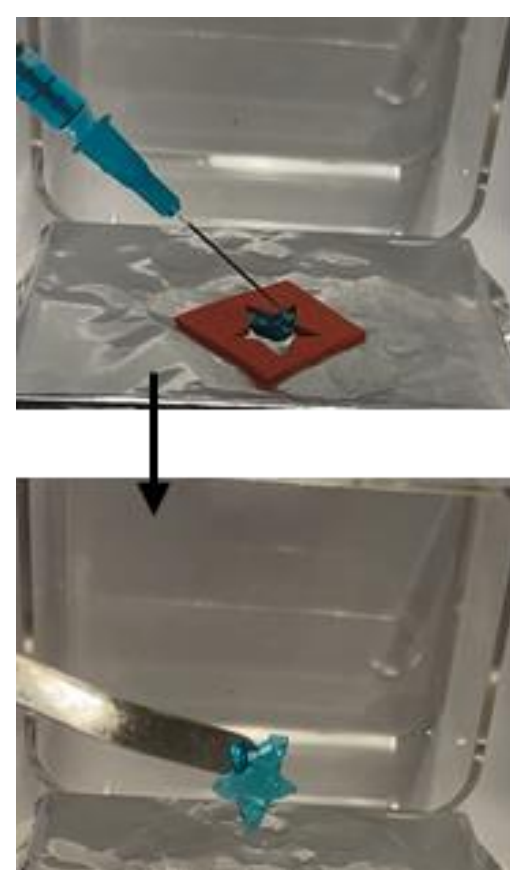


Welcome to Dr. Chien-Chi Lin's Research Group in the Department of Biomedical Engineering at Indiana University-Purdue University Indianapolis (IUPUI). Our research focuses on designing multifunctional biomaterials, including hydrogels, nanoparticles, and cell surface coatings, for studying cell-matrix interactions in cancers, for directing differentiation of pluripotent and multipotent stem cells, and for releasing therapeutically relevant agents for disease treatment and tissue regeneration.

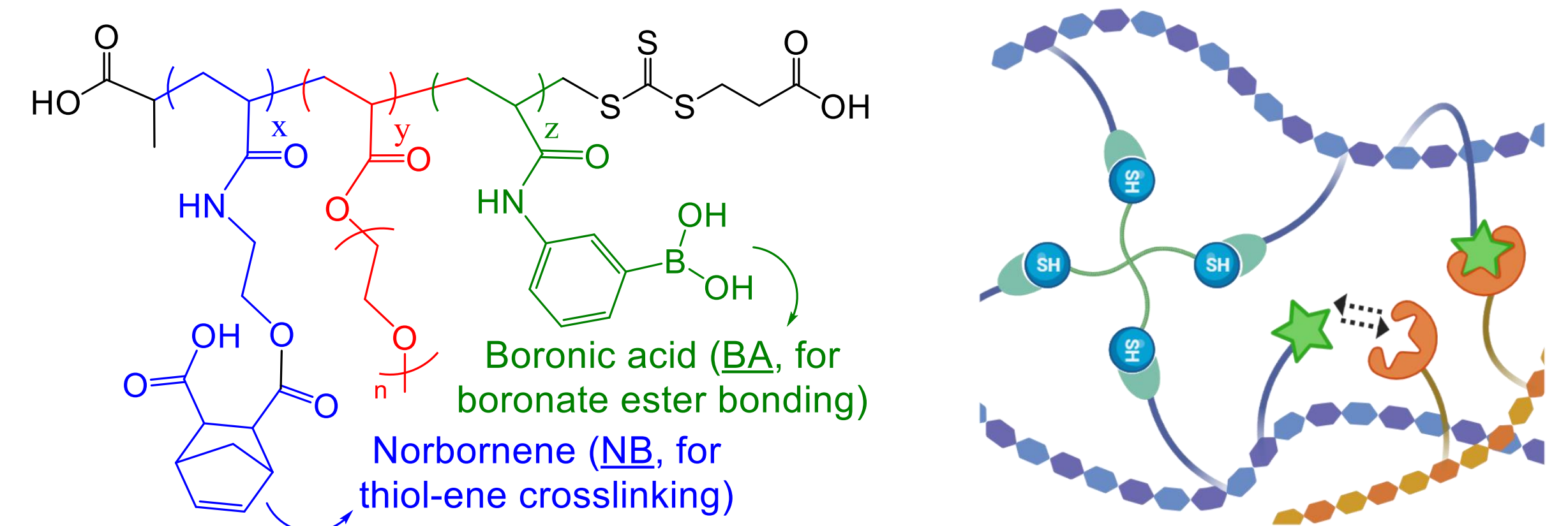
Responsive polymers for protein delivery



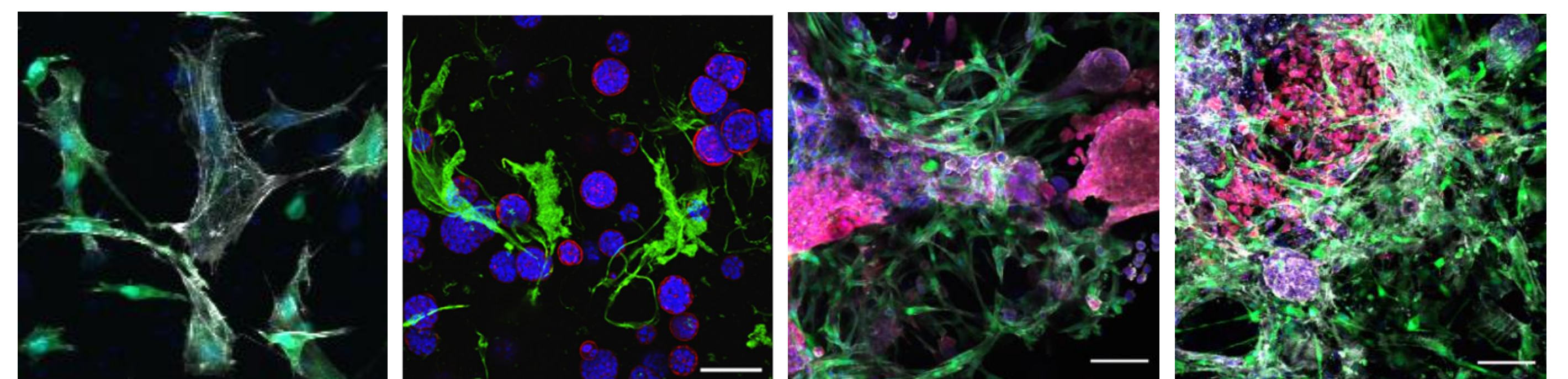
Injectable porous hydrogels for sustained protein delivery



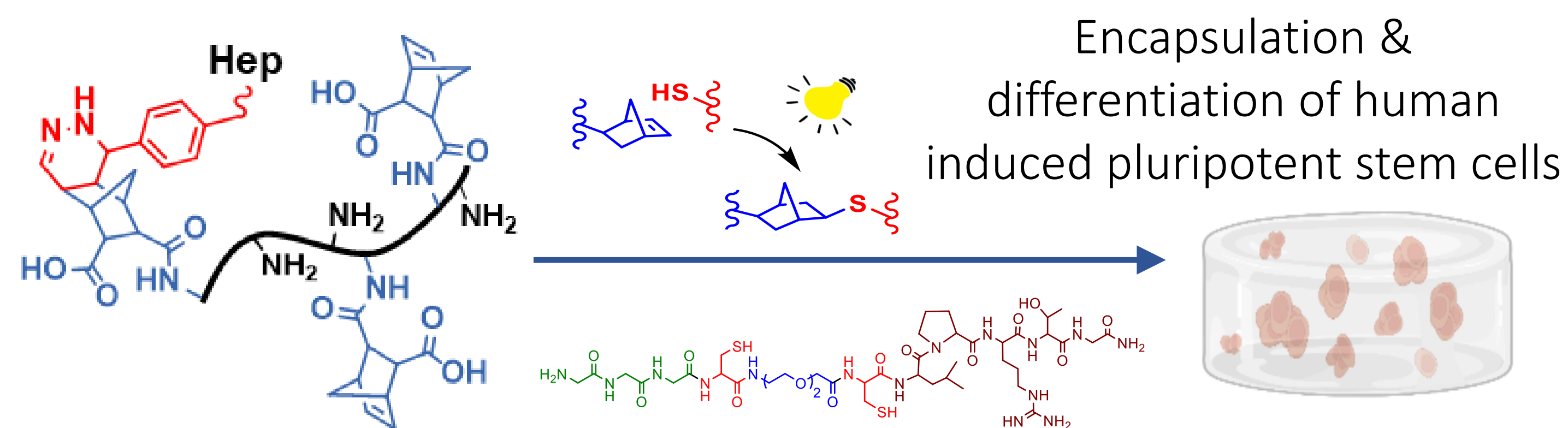
Dynamic hydrogels for studying cancer



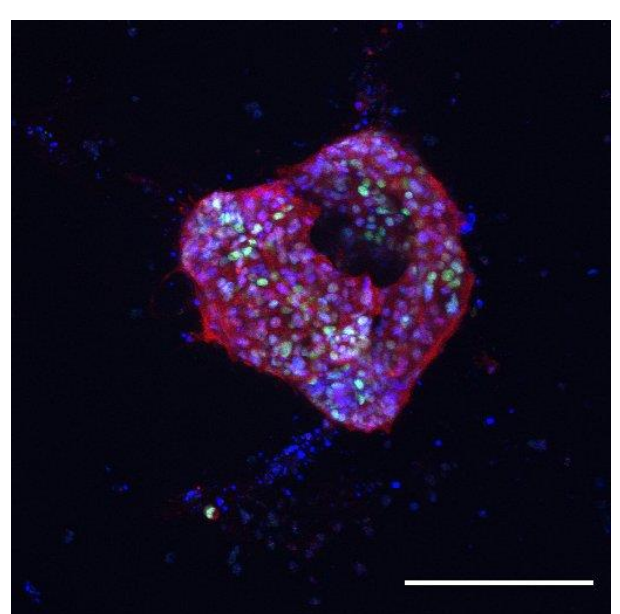
Cancer and stromal cells in modular & dynamic hydrogels



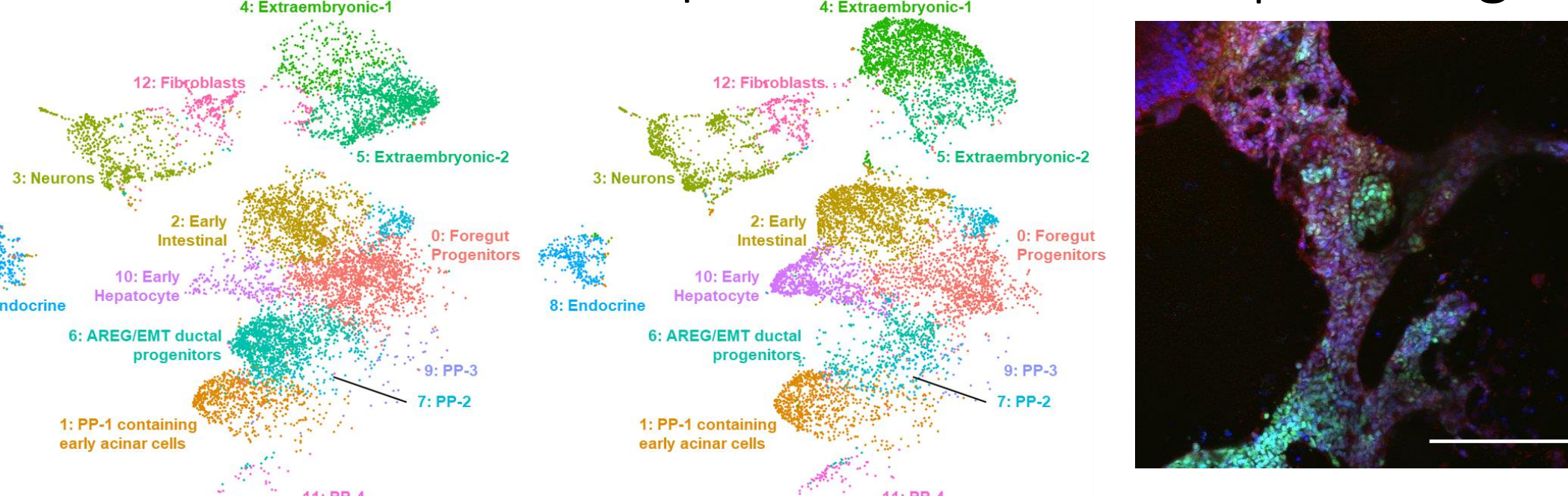
Differentiation of pluripotent stem cells



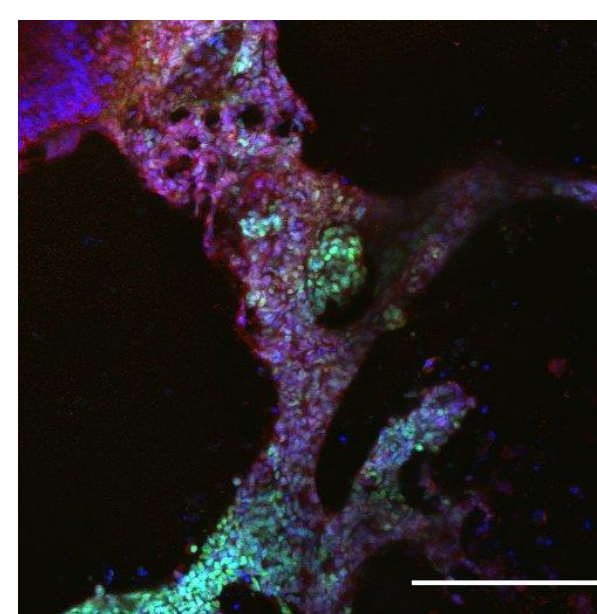
In synthetic gel



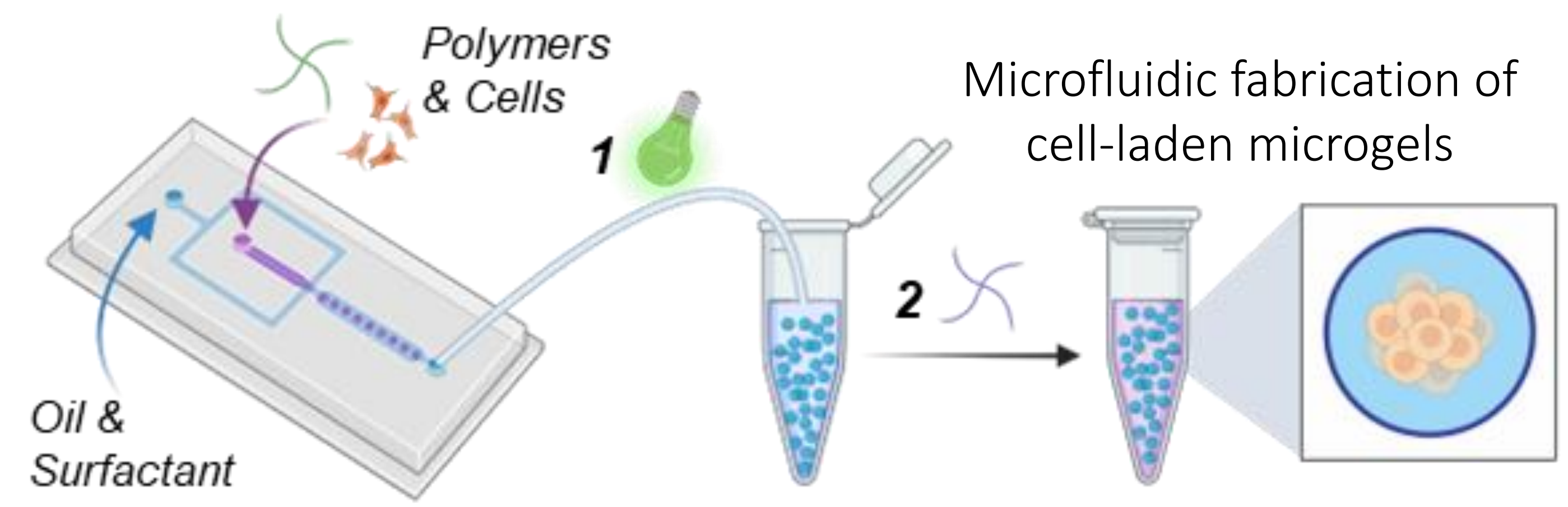
scRNA-seq



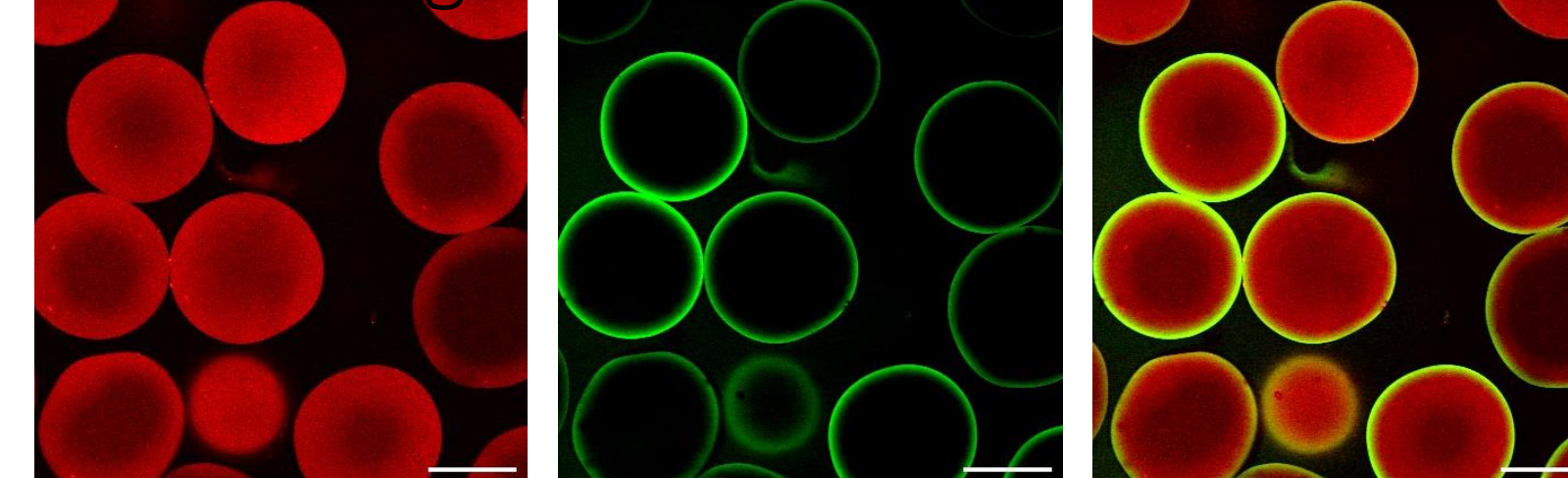
In protein gel



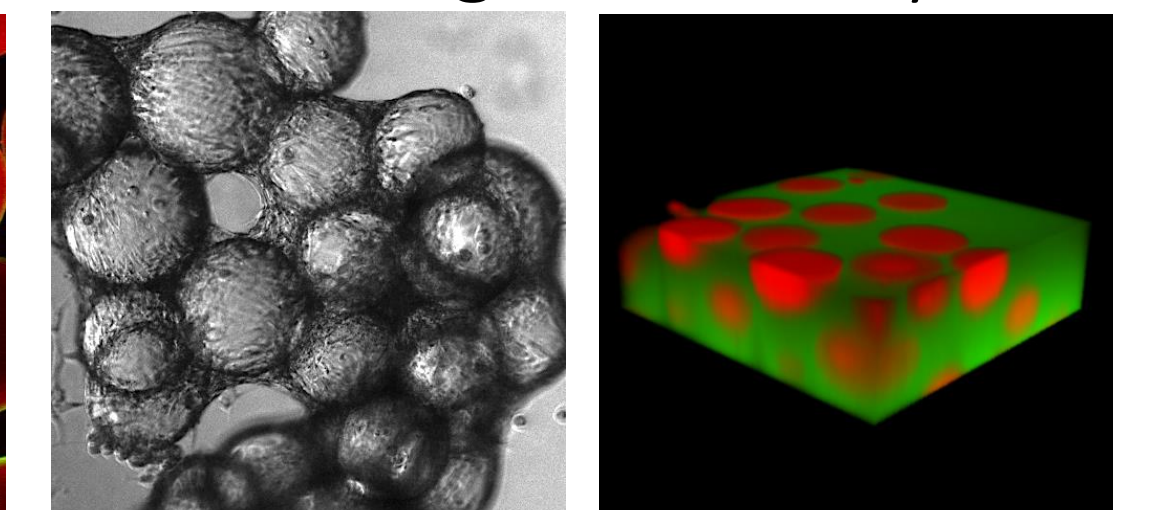
Building blocks for biofabrication



Microgels with core-shell structure



Microgel assembly



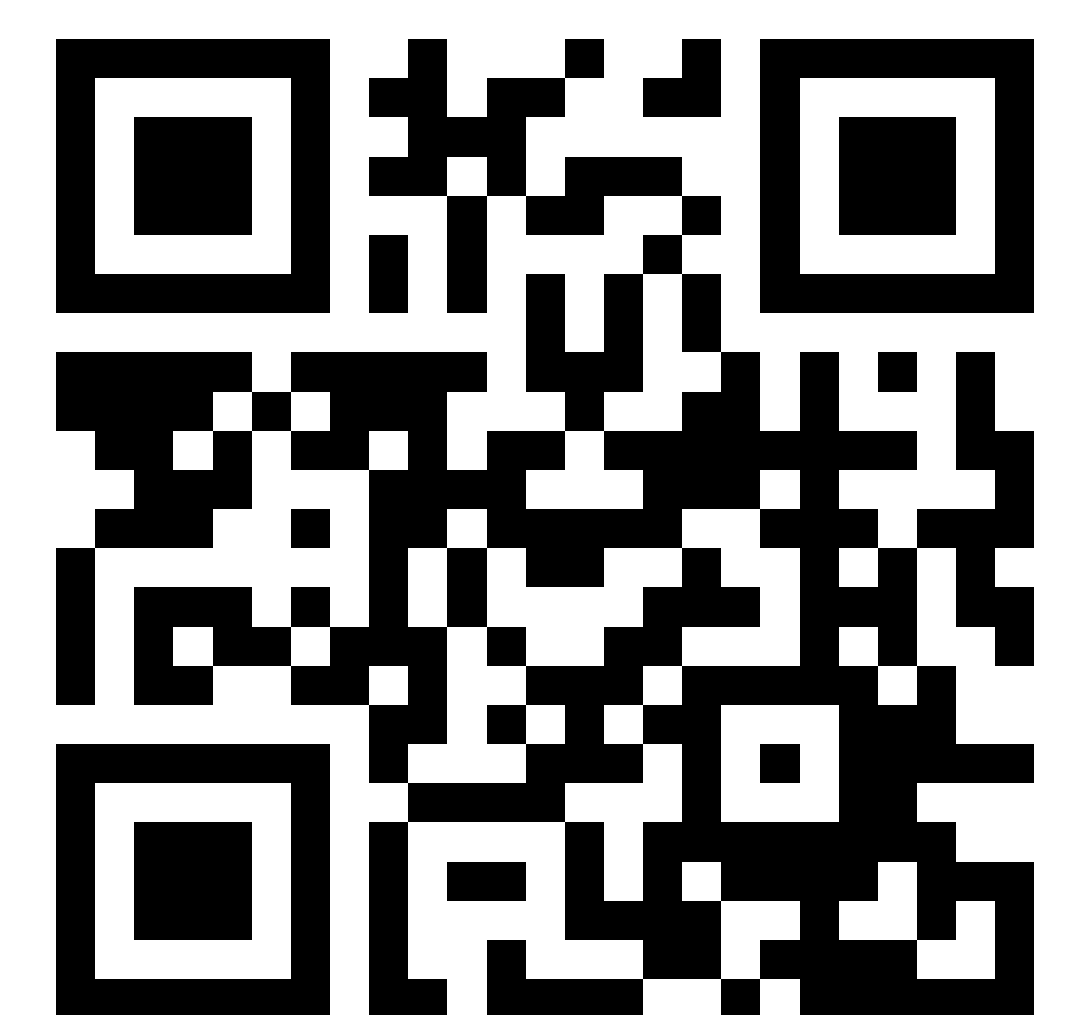
Contact for research opportunities

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