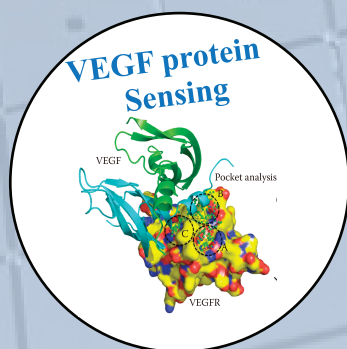
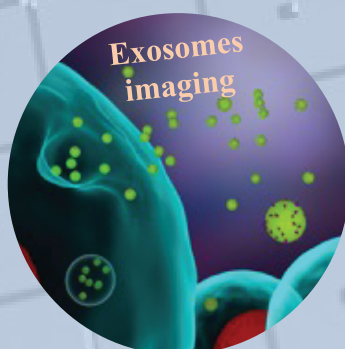


The Single Molecule Biophysics & Bio-Nano Technology Laboratory is looking for excellent and motivated graduate students (MSc and PhD) for interdisciplinary research!

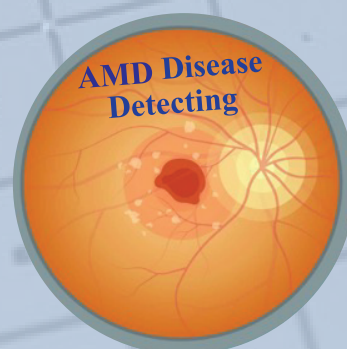
Biomedical applications:



Cytokines sensing as disease biomarkers in liquid biopsies

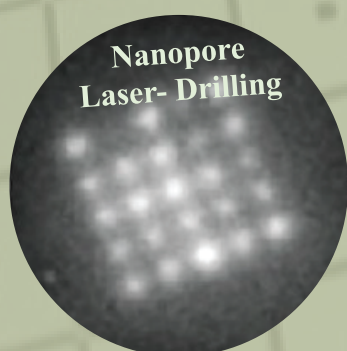


Single exosome separation and imaging for advanced diagnostics

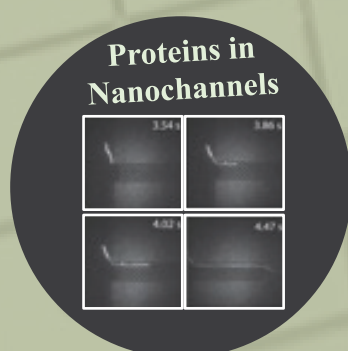


Early disease diagnostics using molecular biomarkers applied to Age-related macular degeneration and other diseases.

Technologies that we develop:



A novel method for drilling nanopores in thin membranes.



DNA and Protein imaging and single molecule tracking in nanochannels



Optical analysis of single molecules threaded through the pore

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