

A.F. Yee Group



Research Group Members

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Projects we are working on in the upcoming year

Project/research summary

- Development of a flexible, nanotexture surface to inhibit the growth of disease-causing microbes
- Develop a novel drug delivery method for antifungals to the cornea with a 15 day release
- Investigate the ocular cell-surface interaction by micropatterning collagen to understand mechanisms of ocular disease

Possible areas of collaboration with other groups

- Investigate the biophysical mechanism of growth inhibition of disease causing microbes on nanotexture surfaces
- Develop novel methods to treat dry eye disease
- Synthesis of inorganic particles for drug particle loading