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Research Theme

Biomedical and Biological Materials and Manufacturing

Research Areas

- Antifouling technologies for Medical Devices/Implants
- Ureteral stent associated complications
- Foley Catheter Associated Urinary Tract Infections
- Ureteral Response to Indwelling Devices
- Recovery of Ureteral Function Following Obstruction
- Role of the Intestinal and Urinary Microbiome in Urologic Disease

Research Facilities/Tools

- Biomaterial testing
- Small and large animal models mimicking disease states
- Translational *in vitro* and *ex vivo* models for preclinical device and antifouling technology testing
- Microbiological expertise
- Translational research program with hand-in-hand collaboration with clinicians
- Small and large scale clinical trials (devices, coatings, etc.)

