**Department of Surgery**

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| **Faculty by Division** | | **Title** | **Research Focus** |
| **Abdominal Transplantation** | | | |
| **Clinical Anatomy** | | | |
|  | John Gosling | Professor | Urogenital system; the morphology of the urethral sphincter mechanism particularly in relation to its functional significance in female urinary continence |
| **General Surgery** | | | |
|  | Dan Azagury | Assistant Professor | Gender disparities in the medical technology industry |
|  | Carl Bertelsen | Clinical Professor | Surgical treatment of breast cancer |
|  | Frederick M. Dirbas | Associate Professor | Minimizing the impact of breast cancer from a diagnostic and therapuetic standpoint. |
|  | Brooke Gurland | Clinical Professor | Pelvic floor and functional bowel disorders in men and women; Intestinal and rectal fistula |
|  | Stefanie S. Jeffrey | Professor | Factors influencing decision-making about the use of chemoprevention in women at increased risk for breast cancer; Molecular analysis of breast cancer; Temsirolimus to reverse androgen insensitivity for castration-resistant prostate cancer |
|  | Mardi Karin | Clinical Associate Professor | Diagnosis and treatment of breast diseases and cancer |
|  | Cindy Kin | Assistant Professor | *PI 2019 WHSDM seed grant:* Effect of sex on peri-operative immune function and surgical outcomes in patients with inflammatory bowel disease undergoing major colorectal operations: a pilot study  *PI 2017 WHSDM seed grant:* The effect of sex on differences in treatment strategy and decision-making in patients with inflammatory bowel disease  *Co-I 2018 WHSDM seed grant:* The effect of sex in psychological distress and opioid use in the treatment of chronic temporomandibular joint, lumbar, and anorectal pain |
|  | James Korndorffer | Clinical Professor | Patients, families, and healthcare workers biases toward surgical trainees. |
|  | Arden Morris | Professor | Sex differences in treatment strategies among patients with ulcerative colitis; effect of sex in psychological distress and opioid use in the treatment of chronic temporomandibular joint, foot/ankle, and anorectal pain  *Co-I 2018 WHSDM seed grant:* The effect of sex in psychological distress and opioid use in the treatment of chronic temporomandibular joint, lumbar, and anorectal pain  *Co-I 2017 WHSDM seed grant:* The effect of sex on differences in treatment strategy and decision-making in patients with inflammatory bowel disease |
|  | Samuel So | Professor | Pregnant women and mothers’ knowledge, attitudes, and practices concerning hepatitis B transmission, prevention and immunization in Asia; global elimination of mother-to-child transmission of hepatitis B |
|  | Kimberly Sue Stone | Clinical Assistant Professor | Surgical treatment of conditions related to breast health—breast cancer, high risk prevention and screening, benign breast disease, and conditions related to lactation |
|  | Jacqueline Tsai | Clinical Assistant Professor | Breast cancer |
|  | Irene Wapnir | Professor | Clinical treatment trials in breast cancer, especially locally recurrent breast cancer; improving surgical outcomes mastectomies and breast cancer surgery; exploring the activity of breast sodium-iodide transporter (NIS) in breast cancer; elucidating the potential application of NIS-based therapies; morphological and physiologic variations in the nipple areolar complex; neoradiation of ductal carcinoma in situ (NORDIS); reinnervation of the nipple in women and men undergoing nipple sparing mastectomies |
|  | Sherry M. Wren | Professor | Global gender disparity in surgical care utilization; gender differences in effect of CHF on perioperative outcomes |
| **Pediatric General Surgery** | | | |
| **Plastic & Reconstructive Surgery** | | | |
|  | Charles Chan | Assistant Professor | Sexual dimorphism in skeletal stem cell niches and skeletal regeneration |
|  | Sabine Girod | Professor | *PI 2018 WHSDM seed grant:* The effect of sex in psychological distress and opioid use in the treatment of chronic temporomandibular joint, lumbar, and anorectal pain |
|  | Geoffrey Gurtner | Professor | Breast reconstruction surgery |
|  | David Kahn | Clinical Associate Professor | Evaluation of optimal techniques for aesthetic and reconstructive breast surgery |
|  | Gordon Lee | Professor | Novel techniques and surgery outcomes for breast reconstruction and perineal and genital reconstruction |
|  | Michael Longaker | Professor | Cellular and molecular biology of extracellular matrix with specific applications to the differences between fetal and post-natal wound healing |
|  | Arash Momeni | Assistant Professor | Determining changes in venous flow pattern in patients undergoing microsurgical breast reconstruction |
|  | Rahim Nazerali | Clinical Assistant Professor | Breast reconstruction including DIEP flap reconstruction |
|  | Dung Nguyen | Clinical Associate Professor | Breast reconstruction surgery; reinnervation of the nipple in women and men undergoing nipple sparing mastectomies; sensory restoration after mastectomy in female to male gender affirming surgery |
| **Vascular Surgery** | | | |
|  | Venita Chandra | Clinical Associate Professor | Women’s vascular health; Gender-related differences in iliofemoral anatomy |
|  | Ronald L. Dalman | Professor | *Co-I 2019 WHSDM seed grant:* Sex differences in E-cigarette-induced aortic aneurysm |
|  | Nicholas Leeper | Associate Professor | Sex differences in macrophage activation: Role of miR-204 |