**Department of Cardiothoracic Surgery**

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| **Faculty by Division** | **Title** | **Research Focus** |
| **Adult Cardiac Surgery** |
|  | Edward Bender | Clinical Associate Professor | The effect of gender on resident autonomy in the operating room |
|  | Jack Boyd | Clinical Associate Professor | Gender disparities in career profession and academic productivity in academic cardiothoracic surgery (with Leah Backhus) |
|  | Michael Fischbein | Associate Professor | *PI 2019 WHSDM seed grant:* Impact of sex hormones on thoracic aortic aneurysm formation of Marfan syndrome |
|   | Ngan Huang | Associate Professor | *PI 2017 WHSDM seed grant:* Sex differences in insulin resistance: probing the contribution of hormones to the endothelial dysfunction using stem cell-derived endothelial cell; Gender and hormone effects on adipose stromal cells derived from lipedema patients |
|  | Yasushi Tashima | Visiting Assistant Professor | *Co-I 2019 WHSDM seed grant:* Impact of sex hormones on thoracic aortic aneurysm formation of Marfan syndrome |
|  | Amelia Claire Watkins | Assistant Professor | The effect of gender on frailty and risk assessment in patients underoing transcatheter aortic valve replacement |
|  | Joseph Woo | Professor | *Co-I 2018 WHSDM seed grant:* Sex-dependent contribution of endothelial progenitor cells to fibrosis in calcific aortic valve disease |
| **Thoracic Surgery** |
|  | Leah Backhus | Associate Professor | Exploration of hormonal status and hormone replacement therapy on the development and outcomes of lung cancer in women; Screening mammography as a missed opportunity for lung cancer screening among high risk women; Multimodal intervention strategies to improve lung cancer screening for women undergoing breast screening |
| **Pediatric Cardiac Surgery** |