This year, undergraduates from the Perk Lab had 7 papers accepted to the 2018 SPIE Medical Imaging conference, which is among the largest international conferences in the field. The refereed 10-page papers are archived in the SPIE Digital Library and the conference will be held in Houston, Texas in February. The list of papers and students (with year of study at the time of submission) is as follows:

**Towards webcam-based tracking for interventional navigation**
Mark Asselin (2nd year)

**HoloLens in suturing training**
Hillary Lia (2nd year)

**Real-time transverse process detection in ultrasound**
Bryan Travers (2nd year)

**Visual aid for identifying vertebral landmarks in ultrasound**
Zachary Baum (4th year)

**Ultrasound imaging of the posterior skull for neurosurgical registration**
Grace Underwood (4th year)

**Neurosurgical burr hole placement using the Microsoft HoloLens**
Emily Rae (3rd year)

**Real-time workflow detection using webcam video for providing real-time feedback in central venous catheterization training**
Rebecca Hisey (4th year)