

INGENiUM

2019

Number of publications = **12**

Boldfaced names represent Bioengineering undergraduate students

Deep learning for hyperspectral image classification on embedded platforms

Siddharth Balakrishnan, David Langerman, Evan Gretok, and Alan D. George

Modal analysis of human brain dynamics after head impact

Ryan T. Black (BioE Minor), Kaveh Laksari, and Hessam Babae

Evaluating occlusion success of Esophocclude prototypes in comparison to diameter and radial force

Gordon Bryson, Youngjae Chun, and Phillip Carullo

Myocardin-related transcription factor's role in cell migration

Aidan Dadey, Dave Gau, and Partha Roy

In vivo dopamine sensors for basic neuroscience and biomedical research: A review (Invited review)

Noah Freedman and X. Tracy Cui

Diffusion tensor image analysis of stroke damaged brains treated with combined neural stem cell and physical therapy

Lauren Grice, Harman Ghuman, Franziska Nietzsche, Madeline Gerwig, Jeffrey Moorhead, **Nikhita Perry**, Alex Poplawsky, Brendon Wahlberg, Fabrisia Ambrosio, and Michel Modo

Adventitial delivery of therapeutic cells for localization in porcine aortas

Trevor M. Kickliter (BioE Minor), Timothy K. Chung, Aneesh K. Ramaswamy, Justin S. Weinbaum, and David A. Vorp

Combined neural stem cells and physical therapy improve somatosensory cortex activity after stroke

Nikhita Perry, Harman Ghuman, Franziska Nietzsche, Madeline Gerwig, Jeffrey Moorhead, **Lauren Grice**, Alex Poplawsky, Brendon Wahlberg, Fabrisia Ambrosio, and Michel Modo

Angiogenic response to abdominal and vaginal polypropylene mesh implants in a rabbit model

McKenzie Sicke, Aimon Iftikhar, Alexis Nol , **Hannah Geisler**, and Bryan Brown

The effect of pivot-bearing surface roughness on thrombus formation: An in-vitro study
Katherine Stevenson, Alexandra May, Ryan Orizondo, Sang-Ho Ye, Brian Frankowski, William R. Wagner, and William J. Federspiel

Infant feed thickening characterization at UPMC Children's Hospital of Pittsburgh
Kelsey Toplak, Kimberly Kubistek, Kelly Fill, Sheryl Rosen, and Mark Gartner

Analyzing right ventricular response to Sacubitril/Valsartan in pulmonary hypertension
Claire Tushak, Danial Shari Kia, Evan Benza, Kang Kim, and Marc Simon