Research Symposium

	First name	Last name	Title of the abstract	Thrust
1	Avni	Bafna	EEG Controlled Robotic Arm	3
2	Gregory	Bales	An Investigation of EEG-Network-Based Dynamic Trust Metrics in Human Autonomy Teaming	2
3			Withdrawn	1
4	Kate	Foray	Understanding the effect of tremor on short-term motor adaptation to physical and visual perturbations	1
5	Renzhi	He	Explicit Neural Fields for 3D Refractive Index Reconstruction using Fluorescence Images	1
6	Kihun	Hong	Multi-Limb Coordination with the Integration of Haptic Feedback	3
7	Xianda	Hou	Characterizing language-related error signals using intracortical arrays in inferior frontal gyrus and ventral precentral gyrus	3
8	Hyehyun	Kim	Primary cortical cell tri-culture to study effects of amyloid-beta on microglia function	1
9	Hayley	Kumagai	Motion Capture System Comparisons to Determine Accuracy and Precision Between Tracker and Trackerless Software In Tracking Hand Movements	4
10	Yucheng	Li	Scattering Correction through Fourier-Domain Open-Channel Coupling in Two-Photon Microscopy	1
11	Ben	Mattison	High-speed Miniaturized Two-photon Microscopy with Elliptical Beam Excitation	1
12	Ariana	Moghbel	Temporal Boundaries of a Specific Pre-Seizure Network Connectivity State	3
13	Logan	Peters	Non-linear neural dynamics reveal deliberation strategies that explain risky behavior	2
14	Yimin	Qin	Real-time EEG-based Trust Inference in Human Autonomy Teaming by Using Dynamic State-space Models	2
15	Jack	Reynolds	A Data-Driven Tool for Optimizing Neuropsychological Test Paradigm Selection	2
16	Alec	Roadarmel	Linear Decoding of Choice	2
17	Ilona	Ruotsalainen	GABAB-mediated Inhibition in Plantarflexors is Related to Walking Function in Low-functioning Stroke Survivors	4
18	Giancarlo	Sagastume	Comparative Analysis of FSR Circuit Designs in Force Myography	3
19	Joshua	Siegel	A Performance Evaluation of Commercially Available and 3D-Printable Prosthetic Hands using the Anthropomorphic Hand Assessment Protocol	3
20	Tyler	Singer-Clark	Brain-computer interface cursor control driven by speech motor cortex	3
21	Adam	Weiner	Biophysical Computational Models of 2D Neuronal Network Dynamics	1
22	Eden	Winslow	AFFECTED MUSCLES RETAIN DEXTROUS MOTOR CAPABILITIES IN CHILDREN BORN WITH UPPER-LIMB DEFICIENCIES	3
23	Peyton	Young	The Effects of Limb Position and Applied Load on Hand Gesture Recognition Classification Accuracy using Electromyography and Force Myography	3