2020 Graduate Student & Post-Doctoral Fellows Research Poster Competition Awards

**Graduate Student Research Awards**

**Clare Jensen** (Behavioral and Social Sciences)
“Effects of Hospital Therapy Dogs and the Human-Animal Bond on Burnout in Pediatric Hospital Personnel”

**Mingmin Liu** (Behavioral and Social Sciences)
“Analysis Of Recreational and Last Mile E-Scooter Utilization in Different Land Use Regions”

**Arkaprabha Bhattacharyya** (Engineering)
“Economic Impact Assessment due to Severe Weather Induced Power Outages in the U.S.”

**Rahul Sakhare** (Engineering)
“Connected Vehicle Data for Interstate Performance Measures”

**Xiaohui Xu** (Engineering)
“TiN@TiO2 Core-Shell Nanoparticles as Potential Photosensitizers for Cancer Therapy”

**Alix Dieterly** (Life and Agricultural Sciences)
“Patterns of Paracellular Permeability and Pathology in Lung Cancer Brain Metastases”

**Nader Abutaleb** (Life and Agricultural Sciences)
“Novel drugs for superbugs: acetazolamide analogs combating vancomycin-resistant enterococci lethal infections”

**Alan Hsu** (Life and Agricultural Sciences)
“Phenotypical microRNA screen reveals a noncanonical role of CDK2 in regulating neutrophil migration.”

**Casey Hooker** (Life and Agricultural Sciences)
“Leveraging epigenetics as a genome engineering tool in anaerobic gut fungi”

**Hong Sun** (Physical Sciences)
“Molecular origins of versatile super-elasticity in organic semiconductor crystals”

**Pei Su** (Physical Sciences)
“Preparative Mass Spectrometry Using a Rotating Wall Mass Analyzer”

**Post-doctoral Fellow Research Awards**

**Gozde Uzunalli** (Physical, Life and Engineering Sciences)
“Blood-Brain Barrier Impairment in Repetitive Blast-Induced Traumatic Brain Injury”

**Haroon Mohammad** (Post-doctoral, Physical, Life and Engineering Sciences)
“Pressure's Up: Can Auranofin Treat Infected Diabetic Pressure Ulcers (PUs)?”