

**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 Bhattyacharyya (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)?”