

Selection Result of UST Young Scientist Research Program 2019

No.	Name of Student	Title of Project
1	안 ○ 수	Biomedical and structural characterization of caspase-4 activation mechanism
2	금 ○ 은	Early detection and control of temporal lobe epilepsy by closed-loop system with low-intensity focused ultrasound brain stimulation and ultra-Thin stretchable ECoG Electrode
3	Aliaks ○ ○ Ihnatsy ○ ○ -Kach ○ ○	Biomimetrics-driven gene-silencing nanoplatfrom for therapy of liver cancer
4	임 ○ 준	Development of high-performance sodium-ion batteries by designing recycled silicone oil based ceramics/sulfide anode composite materials
5	이 ○ 영	Machine learning driven biomarker candidate discovery using large-scale proteome derived from pneumonia liquid biopsy
6	우 ○ 균	Development of synthetic biology-based microbot for non-invasive diagnosis of ulcerative colitis
7	이 ○ 라	Study on the inhibitory mechanism of the <i>Dlk1-Dio3</i> miRNA cluster in muscle aging
8	U m a ○ ○ H a s s ○ ○ B h a t ○ ○	Development of low-cost CO ₂ capture technology using catalytic amine solvent regeneration process
9	이 ○ 훈	Development of advanced AppWrapping technology to enhance security function of Android app by patching security module
10	박 ○ 아	Stellar populations and kinematics of galaxies using integral field spectroscopy
11	최 ○ 영	Quantitative detection of species on mixed fish eggs using shotgun metagenomic sequencing

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University of Science and Technology