| Chang Gung University TEEP Program | Field |
|---|---|
| AI Chip IC design | Engineering |
| Analysis of Medical Images Data with Deep Learning Approach | Engineering |
| Biological Cell Culture in Micro-Systems | Engineering |
| Biosensor, Electrochemical, Nanomaterials | Engineering |
| Biosensor, nanomaterials, smart synthesis | Engineering |
| Deep Learning Modeling of Empty Nose Syndrome | Engineering |
| Emergency Brain Stroke Patients Image Data Analysis with Deep Learning Approach for Disease Prediction | Engineering |
| Impedimetric monitor of cancer cellular response | Engineering |
| Lithium battery, Membrane, Energy | Engineering |
| Massive MIMO Detector (Algorithm/IC) Design, Generalized Spatial Modulation and Spatial Multiplexing (Algorithm/IC) Design, Automotive Ethernet PHY (Algorithm/IC) Design, Deep-Learning-Aided Signal Processing Algorithm Design, High-Speed Arithmetic Computation Block | Engineering |
| Microwave and Millimeter-Wave Antenna and Circuit Design | Engineering |
| Multi round chatbot with emotion recognition | Engineering |
| Nano and semiconductor-based biosensor developement | Engineering |
| Photoenhanced Multimodal Electrochemical-Optical Sensing Systems For Determination Of B-Amyloid And Asynuclein – Early Markers Of Nds | Engineering |
| Practice program of digital and analog integrated circuits design | Engineering |
| Semiconductor TCAD Program | Engineering |
| Solid-state chemical sensors, Si-based semiconductor device and technology, HfO2–ZrO2 Ferroelectric films | Engineering |
| The development of high-density piezoresistive pressure sensing array system | Engineering |
| Workflow Vistualization for Biomedical Imaging and Informatics - Using Snakemake workflow as the example | Engineering |
| Allergy, Mesenchymal stem cells, Nature compound | Medicine & Public Health |
| Anti-inflammatory activity of natural compounds for treating skin-related diseases | Medicine & Public Health |
| Applications of funtional genomics in cancers | Medicine & Public Health |
| Biomedical Sciences, Oncology, Endocrinology | Medicine & Public Health |
| Biosynthesis and function of phosphoinositides during enteroviral infection | Medicine & Public Health |
| Cancer cell biology | Medicine & Public Health |
| Characterization of Novel Regulators in Neural Development and Brain Tumors | Medicine & Public Health |
| Clinical utility of urinary sediment examination in the disease diagnosis and management | Medicine & Public Health |
| Discovery of drug leads for neutrophil-associated inflammatory diseases | Medicine & Public Health |
| Enterovirus Cell Culture Aaimal Experiments | Medicine & Public Health |
| Evolutionary Data Science in Pathogen Phylodynamics | Medicine & Public Health |
| Exploration of cancer metabolism under nutrition stress | Medicine & Public Health |
| Exploring RNA Biology Through the Interaction of Emerging RNA Viruses with Hosts | Medicine & Public Health |
| Identification and characterization of lung cancer biomarkers using the proteomics approaches | Medicine & Public Health |
| Live-cell imaging and its applications | Medicine & Public Health |
| Proton Therapy and Imaging | Medicine & Public Health |
| Spark on Virus-Host Interaction: A New Perspective on Analysis and Response Strategies | Medicine & Public Health |
| Stem cell biology, virology, exosome | Medicine & Public Health |
| To develop an image based biomarker for neurodegenerative diseases | Medicine & Public Health |
| Uncovering the functional role of lactate in the regulation of hepatic mitophagy. (Autophagy/Selective autophagy/ Mitophagy) | Medicine & Public Health |
| Virology | Medicine & Public Health |
| Virus and host interaction | Medicine & Public Health |
| Virus-Protozoa Interactome | Medicine & Public Health |
| Enhancing the anti-cancer cell activity of paclitaxel using cell-penetrating D-amino acid peptides derived from the Anaphase-Promoting Complex/Cyclosome co-factor Cell Division Cycle 20 | Natural Science |
| Identification and functional characterization of tumor-associated non-coding RNAs | Natural Science |
| Roles of Redox Homeostasis and Metabolism in Human Health and Diseases. | Natural Science |
| Plastic Biodegradation | Others |