

# 2018 The 3<sup>rd</sup> ACS Taiwan Chapter Graduate Student Conference

## Oral Presentations

| Organic Chemistry    |                          |                               |             |   |
|----------------------|--------------------------|-------------------------------|-------------|---|
| 1-07                 | Li-Yun Hsu<br>(徐立昀)      | National Taiwan University    | Outstanding | Multicolor Crystal and Powder Patterning Based on Photodimerization Induced Monomer-Excimer Switching                               |
| 1-01                 | Rou-Jie Huang<br>(黃柔潔)   | National Central University   | Excellent   | Total synthesis of pikrosalvin, simplexene C, D and synthetic studies toward swartziarboreol G and simplexene B                     |
| 1-05                 | Wei Ting Chang<br>(張瑋庭)  | National Taiwan University    | Excellent   | Dual functional fluorogenic probes for selectively tracking and labeling resistant bacteria inside hosts                            |
| Inorganic Chemistry  |                          |                               |             |   |
| 2-05                 | Shih-Yu Wang<br>(王斯瑜)    | National Taiwan University    | Outstanding | Heteroleptic terpyridine complexation: construction of supramolecular structures and self-sorting behavior                          |
| 2-06                 | Hsi-Ching Tseng<br>(曾喜青) | National Taiwan University    | Excellent   | Reactivity Studies of Cp*-Substituted Boron Cations   |
| 2-08                 | Yu-Che Chang<br>(張彧喆)    | National Tsing Hua University | Excellent   | Rhenium(I)-Catalyzed Hydroarylation with Alkynes and Bicyclic Alkenes into Heterocycles Using Directed C-H Bond Activation Strategy |
| Analytical Chemistry |                          |                               |             |   |
| 3-07                 | Pei-Ying Lin<br>(林佩穎)    | National Taiwan University    | Outstanding | Detection of Bladder Cancer Specific MicroRNA Biomarkers Using Surface Plasmon Resonance  |
| 3-03                 | Kai-Hung Huang<br>(黃凱鴻)  | National Taiwan University    | Excellent   | Micelles Protect Intact Supramolecular Block Copolymer Complexes from Solution to Gas Phase during Electrospray Ionization          |

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| 3-05                      | Chong-You Chen<br>(陳重佑) | National Taiwan University | Excellent   | Self-Standing Aptamers by an Artificial Defect-Rich Matrix   |
| <b>Physical Chemistry</b> |                         |                            |             |  |
| 4-05                      | Petra Shih<br>(施欣妤)     | National Taiwan University | Outstanding | A Theoretical Study on the Q <sub>x</sub> → Q <sub>y</sub> Internal Conversion in Chlorophylls                                   |
| 4-01                      | Jen-Hao Ou<br>(歐人豪)     | National Taiwan University | Excellent   | Band Structure of the Incommensurate Quasi-One-Dimensional Chromium Extended Metal Atom Chain                                    |
| 4-07                      | Deng-Gao Chen<br>(陳登高)  | National Taiwan University | Excellent   | Optically Triggered Planarization of Boryl Substituted Phenoxazine: Another Horizon of TADF Molecules and High Performance OLEDs |

## Poster Presentations

|                            |                         |                                |             |   |
|----------------------------|-------------------------|--------------------------------|-------------|---|
| <b>Organic Chemistry</b>   |                         |                                |             |   |
| P1-05                      | Tsung-Han Chao<br>(趙崇瀚) | National Taiwan University     | Outstanding | Design and Synthesis of Phosphoglycerate Derivatives Incorporating Azacycle Moiety as Bacterial Transglycosylase Inhibitors |
| P1-06                      | Hsuan Yu Lin<br>(林軒宇)   | National Taiwan University     | Excellent   | Mechanistic Studies on the Fluorescence Properties of m-amino Substituted GFPc in Solutions                                 |
| P1-10                      | Hsin-Ju Huang<br>(黃歆茹)  | National Chiao Tung University | Excellent   | Palladium/Light induced Radical Allylation of Alkyl Iodides Using Allylic Sulfones.   |
| <b>Inorganic Chemistry</b> |                         |                                |             |   |
| P2-01                      | Hsin-Hung Kuo<br>(郭信宏)  | National Tsing Hua University  | Outstanding | Bis-Tridentate Ir(III) Metal Phosphors for Efficient Deep-Blue Organic Light-Emitting Diodes                                |
| P2-17                      | Chia-Shuo Hsu<br>(許家碩)  | National Taiwan University     | Outstanding | The gate-open behavior of water insertion toward heterogeneous catalysis  |

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| P2-06                       | Tzung-En Hsieh<br>(謝宗恩)  | National Taiwan Normal University | Excellent   | Structural Resolutions of Magic-Size (CdSe) <sub>13</sub> Twin Clusters                            |
| P2-07                       | Yen-Tzu Huang<br>(黃研慈)   | National Taiwan University        | Excellent   | Borinium Cations for Hydrosilylation   |
| P2-10                       | Hsueh-Jen Chang<br>(張學仁) | National Taiwan Normal University | Excellent   | Synthesis, Identification and Application of Hybrid Mesoporous Films with Semiconductor Properties |
| <b>Analytical Chemistry</b> |                          |                                   |             |  |
| P3-01                       | Hsiang-Hua Li<br>(李香樺)   | National Taiwan University        | Outstanding | Microdroplet Array Fabrication by Chemical Lift-Off Lithography                                    |
| P3-05                       | Yi-Jey Tsai<br>(蔡沂傑)     | National Taiwan University        | Excellent   | Flexible PEDOT-Ag NPs-Paper Electronics for Human Motion Detection                                 |
| P3-07                       | Shou-Ting Hsieh<br>(謝守庭) | National Taiwan University        | Excellent   | An effective model for energy transfer dynamics in the PSII core complex                           |

## The Most Popular Poster Presentations

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|-------|-------------------------|----------------------------|---------------------|---|
| P2-11 | Min-Hua Lin<br>(林旻樺)    | National Taiwan University | Inorganic Chemistry | N-Heterocyclic CarbeneBoryl Radical with Intramolecular Coordination                        |
| P1-06 | Hsuan Yu Lin<br>(林軒宇)   | National Taiwan University | Organic Chemistry   | Mechanistic Studies on the Fluorescence Properties of m-amino Substituted GFPc in Solutions |
| P2-04 | Chia Jui Chang<br>(張家睿) | National Taiwan University | Inorganic Chemistry | Probing the selectivity toward Ethanol on Ag@Cu <sub>2</sub> O nanowire catalyst            |