**报告人情况介绍**

**1. 报告题目：像差校正透射电镜****下的原子级物理化学过程**

 **报告人：曹克诚**

**个人介绍：** 2012年获得四川大学应用化学专业学士学位，2015年获得四川大学无机化学专业硕士学位，于2015年10月起于德国乌尔姆大学（Ulm University）电子显微镜中心攻读博士学位（导师：Ute Kaiser教授）。课题组主导国际亚埃级低电压电子显微镜项目 ‘SALVE Project’ (Sub Angstrom Low Voltage Electron Microscopy Project)，于2017年联合FEI和CEOS公司打造世界唯一一台低电压（20-80 kV）色差球差校正透射电镜。

在攻博期间利用低电压球差与色差校正透射电子显微镜与合作者地提出和发展‘使用透射电镜中电子束同时激发和观察原子级物理化学过程’的方法学（*ChemTEM*）。他使用该方法学结合碳纳米试管技术系统地研究了金属相关的多种物理化学过程，为在原子尺度实现激发、观察、分析和控制物理化学过程提出了一种全新的研究方法。他已在*Nature Communications*、*Nano Letters* 和*Nanoscale* 等期刊发表多篇论文，在包括国际显微大会（IMC）等国际会议上多次做口头报告并在EMAG2018国际会议获得最佳口头报告奖。

**2. 报告题目： Development of Novel Nickel-Catalyzed Transformations by Unreactive Chemical Bonds Cleavage**

**报告人：郭林**

**个人介绍**：2011年本科毕业于南开大学药学系； 2013年硕士毕业于哈尔滨工业大学应用化学专业，导师为夏吾炯教授； 同年10月进入德国亚琛工业大学攻读博士学位，师从Magnus Rueping教授研究惰性化学键的断裂活化和官能团化，实现了对醚、酯、酰胺及醛基的直接碳氧键或碳碳键活化，博士期间发表SCI论文16篇，其中第一作者7篇，并以最高荣誉（Summa cumme laude）获得博士学位。2018年10月进入英国布里斯托大学开始博士后研究，师从Varinder Aggarwal教授，研究方向为不对称的锂化-硼基化反应和分子的构象控制。

**3. 报告题目：From sustainable catalysis to total synthesis**

 **报告人：Hsuan-Hung Liao(廖轩宏)**

**个人介绍：**Currently I am a Marie Skłodowska-Curie IF fellow working at the University of Bristol. Prior to joining University of Bristol, I have worked as a postdoctoral fellow and acted as a subgroup leader at the RWTH Aachen University, where I also received my doctorate degree in 2016.

I have a broad academic training that covers a wide range of subjects within the field of organic chemistry. During my postdoctoral training, I was selected to lead an international team with the topic of “Decarbonylative cross-couplings”. The focus of my doctoral research has been directed on the application of chiral Brønsted acids and photocatalysis for the synthesis of enantiomerically enriched molecules. My master’s work mainly dealt with gold-catalyzed organic transformations via activation of alkynes. Prior to that I completed my Bachelor of Chemistry at the National Tsing Hua University, where I received a distinction.

During the past years I acquired broad knowledge in organic chemistry and experience in carrying out a wide range of chemical transformations. My scientific achievements have been recognized by the chemistry community and have been published in 16 articles, which appeared in prestigious international journals. These results prove that I have worked enthusiastically and effectively toward my scientific career. Thereby, I developed advanced skills to tackle demanding scientific problems and successfully complete challenging projects. Furthermore, I have been awarded many prizes and scholarships during my career so far. As an active member of an international group, I closely collaborated with many researchers of different nationalities. This increased my confidence in communicating my research and finding practical solutions together with fellow coworkers. Additionally, I have also assisted and guided graduate students in their education, e.g. master studies and internship projects.

**4. 报告题目： New Developments in Carbonylative Coupling Reactions via Palladium Catalysis**

**报告人：殷宏飞**

**个人介绍**：Hongfei grew up in Huludao, China. He received his undergraduate degree in pharmaceutical engineering (2010) from Shenyang Pharmaceutical University. With extensive and indepth knowledge about various experimental as well as instrumental techniques, he continued pursuing master study in medicinal chemistry (2010-2013) from Shenyang Pharmaceutical University with Prof. Xiaojing Zhang. During his master study, he joined Prof. Dawei Ma’s group as an exchange student for 2 years in Shanghai Institute of Organic Chemistry (SIOC). His master study was focused on copper-catalyzed cross coupling reactions and synthesis of N,N-(Me)­2-Dmt-Tic-OH derivatives, which are potent Opioid Receptor antagonists. In January 2014, he moved to Denmark, joining Prof. Troels Skrydstrup’s group in Aarhus University, as a PhD student. His PhD study was focusing on the palladium-catalyzed carbonylative reactions. In Febuary 2017, he received his PhD degree in nanoscience. Afterwards, he continued working with Prof. Skrydstrup as a postdoc researcher, shifting his research topic to the water splitting reaction with diboron reagents. During his PhD studies, Hongfei has been involved in a number of transition metal catalyzed reactions with the major focus on the use of Palladium and gaseous carbon monoxide or isotope labelled carbon monoxide (13CO) for the synthesis of carbonyl containing compounds (with 12CO or 13CO). His research results have led to the publication of 9 papers in internationally leading chemistry journals, such as Chemistry, A European Journal, Angewandte Chemie International Edition, ACS Catalysis, Organic Letters, etc.

During his PhD study, he spent 4 months in the research group of Prof. Melanie Sanford at the University of Michigan working on the application of carbon dioxide as a C1 reagent in transition metal catalysis.

In May 2018, he left Denmark, joining the group of Prof Rubén Martín at ICIQ, working on C-H functionalization of ethers to the discovery of new synthetic ingredients for fragrances and flavors. This project is in collaboration with the world-renowned fragrance company Firmenich.

**5. 报告题目：铂基氧还原催化剂和锂空气电池正极催化剂的研究**

**报告人：马忠**

**个人介绍：**就职于加拿大滑铁卢大学化工系，博士后。2016年3月毕业于上海交通大学，获得工学博士学位，期间于美国布鲁克海文国家实验室访学一年。目前主要研究方向包括贵金属氧还原催化剂，二次锂电池电极材料和电解水催化剂，近年来，共发表SCI论文18篇，其中以第一作者在Energy & Environmental Science, Nano Letters，Chemical Communications，Journal of Power Sources等国际知名期刊发表SCI论文9篇（其中1篇入选“ESI高被引论文”，1篇被选为封面文章）。同时以第一发明人获得3项授权中国专利。

**6. 报告题目：**大气捕捉二氧化碳：水循环CO2吸附剂的研究

**报告人：时笑阳**

**个人介绍：** 2009年本科毕业于华中科技大学能源与动力工程学院，2011年哥伦比亚大学能源专业硕士，2015年哥伦比亚大学环境与化工学院博士。现在哥伦比亚大学从事博士后的研究。跟从博士导师Klaus Lackner指导，长期从事空气捕捉二氧化碳吸附剂设计的研究工作，以及分子动力学力场开发，储能材料的研究。