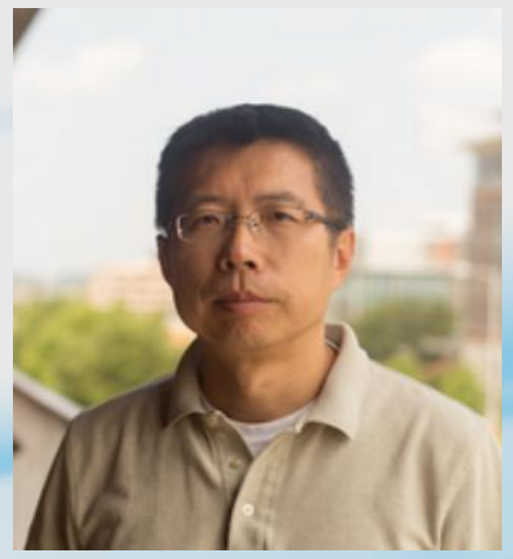
北京理工大學

Beijing Institute of Technology

“21世纪学科前沿”系列学术报告

报告题目：New Reactions for New Applications

报告人：Prof. Pengfei Wang（王鹏飞教授）



报告时间：2017年6月23日 上午10：00

地点：工业生态楼118

报告人简介：

2015-present: Professor, University of Alabama at Birmingham (UAB)
2011-2015: Associate Professor, University of Alabama at Birmingham (UAB)
2005-2011: Assistant Professor, University of Alabama at Birmingham
2003-2005: Postdoctoral Researcher, University of Illinois at Urbana-Champaign
2002-2003: Postdoctoral Researcher, University of Wisconsin-Madison
1997-2002: Ph.D., University of Wisconsin-Madison
1987-1992: B.S., Tsinghua University

报告内容：One of our research interests is to discover novel photochemical reactions and explore their applications such as developing new photolabile protecting groups (PPGs). PPGs constitute a unique class of protecting groups and are useful in various basic and applied research areas in that they can be removed by photo irradiation with a high temporal and spatial resolution under neutral conditions without using any other chemical reagents. Recently, our lab has developed a number of structurally simple and practically useful PPGs for protection of carbonyl, hydroxyl, diol, carboxyl, and amino functionalities. These new PPGs can potentially lead to novel applications in organic synthesis, caging, biomedical science, and materials science. Another research interest is to develop structurally-defined QS saponin-based vaccine adjuvants. Modern subunit vaccines necessitates the use of immune adjuvants to enhance the ability of vaccines to elicit strong, durable, and specific immune responses, and it has emerged as a critical frontline effort in vaccine research. The latent-active glycosylation strategy using allyl glycoside building blocks recently developed in our lab has been employed to simplify and accelerate synthesis of the oligosaccharide domains of the targets.

欢迎各位老师同学参加！

主办：研究生院

承办：化学与化工学院