**报告题目：A Personal Account on the Total Synthesis for Structural Validation of Natural Glycans and Glycoconjugates**

​ 本报告首先简单介绍天然产物（特别是糖）化学（结构）和生物学（功能）的早期历史性事件；随后，着重讲解报告人在30多年研究生涯中亲历的糖类分子结构鉴定问题和错误，并通过化学合成加以更正的故事。在分析技术和手段高度发达的今天，有机分子结构解析中错误的发生仍不鲜见。虽然产生错误的客观原因不一而同，研究者的疏忽总是原因之一。前沿科学研究既面对未知的挑战，也面对错误认知的挑战。

**【**报告人简介**】**俞飚，本科毕业于北京大学技术物理系(1989)；于中科院上海有机所获硕士和博士学位(1995)；纽约大学博士后(1996)。历任中科院上海有机所助理研究员、副研究员、研究员(1999)、副所长(2011-2019)。现任中科院上海有机所研究员、生命有机化学国家重点实验室主任，兼任中国化学会糖化学专业委员会主任、国际碳水化合物组织中国代表、国际期刊Adv. Carbohydr. Chem. Biol.等编委和《中国化学》副主编等。主要从事聚糖和糖缀合物的化学合成、合成方法学和化学生物学研究。已发表论文300余篇、专利30余项；培养研究生和博士后百余人。曾获国家自然科学奖二等奖、Humboldt Research Award、Roy L. Whistler Award等；2021年当选中科院院士。



Biao Yu is a Professor at the Shanghai Institute of Organic Chemistry (SIOC), Chinese Academy of Sciences. He is serving as Director of the State Key Laboratory of Bio-organic and Natural Products Chemistry and currently Dean of the School of Chemistry and Materials Science at Hangzhou Institute for Advanced Study, University of Chinese Academy of Sciences. He received BS (1989) and PhD (1995) degrees from Peking University and SIOC, respectively, and conducted postdoctoral research at New York University. He returned to SIOC in 1996. His research interests include total synthesis, synthetic methodology, and chemical biology of complex glycans and glycoconjugates. He has published over 300 papers and over 30 patents. Prof. Yu has received the State Natural Science Award (2nd Class) from the Chinese Government, the Humboldt Research Award from the Alexander von Humboldt Foundation, and the Roy L. Whistler Award from the International Carbohydrate Organization. In 2021, he was elected to be an academician of the Chinese Academy of Sciences.