



生物工程国家重点实验室

特邀学术报告

- ◆ 报告人 ◆ Qiang Li (李强), Ph.D
University College London, UK
- ◆ 报告题目 ◆ Developing ultra scale-down platforms to accelerate bioprocess development
- ◆ 报告时间 ◆ 2011年11月9日 (周三) 10:30-11:10
- ◆ 报告地点 ◆ 中科院过程大厦 [312](#) 会议室

报告摘要:

The earlier stage of process development is often restricted by the low availability of biomaterials to trial. Process development time and cost could be greatly reduced by developing scale-down models that only requires millilitres of materials but accurately predict large scale operations. In a collaborative project with UCB Pharma (Slough, UK), we developed a series of ultra scale-down models to mimic large scale bioprocessing of an antibody fragment (Fab') from rec *E. coli*. The ability to predict process performance at small scale, is important if whole bioprocesses are to be transferred successfully and at speed to the industrial operation.

报告人简介:

李强博士于2003年本科毕业于清华大学, 2008年毕业于英国斯特拉思克莱德大学 (University of Strathclyde, UK) 获得博士学位。随后受EPSRC项目资助在牛津大学开展严格厌氧菌生物转化木质纤维素生产琥珀酸的研究。

目前李强博士在EPSRC基金IMRC (创新制造研究中心, Innovative Manufacturing Research Centre) 项目资助下, 在英国伦敦大学学院 (University College London, UK) 开展关于生化过程和生化制药过程缩小模拟技术平台方面的研究工作。