

数学与系统科学研究院

计算数学所学术报告

报告人: **Prof. Chen Song**

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报告题目:

**Multi-scale Computational Studies  
on Membrane Proteins**

邀请人: 卢本卓 研究员

报告时间: 2016 年 11 月 16 日 (周三)

上午 10:00-11:00

报告地点: 数学院南楼七层

702 教室

## **Abstract:**

**Multi-scale computer simulations are playing more and more important roles in revealing the microscopic mechanisms of biological systems. Membrane proteins, embedded in cell membranes and crucial for many biological functions such as signal transduction and ion permeation, are of particular interest to us. I will introduce our recent multi-scale computational studies of two membrane proteins, an ion channel and an antimicrobial peptide respectively, to show how these proteins function at atomistic scale as revealed in our simulations. Some ongoing ion channel research in our group and the relevant challenges will be discussed as well.**

**欢迎大家参加！**