



中国科学院生物物理研究所

## 贝时璋讲座

### Control of Pathogen Colonization by Host Immunity and the Microbiota in the Gut

报告人：Prof. Gabriel Núñez

报告时间：2017年9月11日(周一)9:30

报告地点：9501会议室

主持人：刘志华研究员



### 报告人简介

Gabriel Núñez, M.D., Paul de Kruif Professor of Pathology, University of Michigan Medical School.

Dr. Nuñez是天然免疫受体Nod1与Nod2的发现者，Nod1与Nod2是Nod样受体家族最早的蛋白，开启了一类天然免疫受体家族的研究。Dr. Nuñez近期的研究关注于天然免疫、肠道菌群。Dr. Nuñez发表过担任通讯作者或第一作者的300多篇论文，包括*Cell*、*Nature*、*Science*、*Immunity*等。

### 代表成果

1. 2017 Neonatal Acquisition of Clostridia Species Protects Against Colonization by Bacterial Pathogens. **Science**.
2. 2016 Nek7 is an essential mediator of NLRP3 activation downstream of potassium efflux. **Nature**.
3. 2016 Nod2-mediated recognition of the microbiota is critical for mucosal adjuvant activity of cholera toxin. **Nature Medicine**.
4. 2016 Gut microbiota-induced IgG controls systemic infection by symbiotic bacteria and pathogens. **Immunity**.
5. 2013 Staphylococcus  $\delta$ -toxin induces allergic skin disease by activating mast cells. **Nature**.
6. 2012 Regulated virulence controls the ability of a pathogen to compete with the gut microbiota. **Science**.