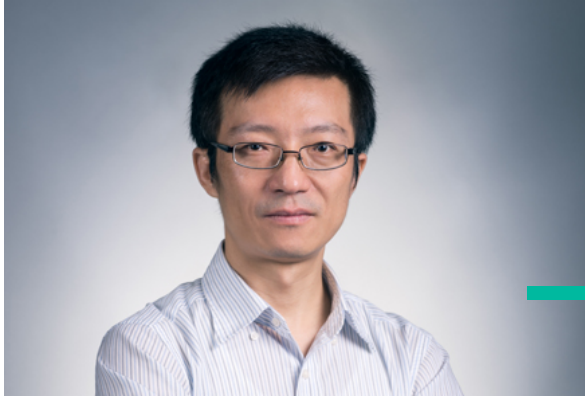


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### 个人简介

王俊琦博士2007年毕业于香港中文大学，获生物学博士学位。2007-2012年继续在香港中文大学从事博士后研究，于2012年加入南方科技大学生物系。王俊琦博士研究领域为植物细胞生物学，主要利用细胞、生化、遗传等方法，解析细胞内蛋白靶向、囊泡运输的分子与细胞机理，以及它们在植物生长发育、环境应答中的生理功能，已在国际高水平期刊发表论文二十多篇。

### 研究领域

**蛋白靶向与囊泡运输**：细胞内合成的蛋白需要运输到细胞内特定空间或分泌到细胞外来发挥作用，蛋白的靶向需要蛋白自身的靶向信号、受体、运输途径、运输囊泡、细胞骨架等因素来调节。分泌途径调节蛋白分泌到细胞膜或细胞外，参与植物的生长发育和逆境应答等生理过程。目前我们对分泌途径的研究主要围绕一个小G蛋白RabE展开。RabE调节蛋白的分泌，参与植物对病原菌的应答反应。我们运用质谱和Y2H的方法筛选RabE互作蛋白，识别调节RabE活性的蛋白与RabE的效应蛋白，以期理解蛋白分泌调节的分子机理，以及分泌途径的具体生理功能。我们运用多种显微镜（包括confocal、超分辨、免疫电镜）在不同尺度上来识别细胞内的信号和动态过程，并研究细胞器和囊泡的生物形成。

**储藏蛋白运输**：种子内储藏有大量的蛋白，它们储存于细胞内的蛋白储藏液泡或蛋白体，对于储藏蛋白运输机制的理解可以帮助我们培育高营养品质的作物。目前我们主要以水稻和豆科植物为对象，研究种子发育过程中储藏蛋白的运输途径、分选信号、分选受体等内容。我们运用CRISPR/CAS9敲除特定的分选受体基因，研究水稻储藏蛋白的运输机理。

### 工作经历

2012年-至今， 南方科技大学生物系，副教授

2007年，获得日本中文八子工物子博士学位；

1998年，获得南开大学微生物学硕士学位；

1995年，获得南开大学生物学学士学位。

## 获奖情况及荣誉

深圳市海外高层次人才引进“孔雀计划”B类专家

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### 科研项目：

- 广东省自然科学基金项目 ( 2015-2018 ) ；
- 深圳市科技计划基础研究项目(2014-2016) ；
- 深圳市高校新引进高端人才科研启动经费

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