



## 學歷與經歷簡介

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### 獎項：

- 1) 科技部傑出獎
- 2) 科技部傑出特約研究獎
- 3) 中央研究院研究學者獎 Academia Sinica Investigator Award
- 4) 教育部學術獎
- 5) 王民寧學術研究傑出貢獻獎

### 研究興趣：中心粒複製，纖毛形成，神經幹細胞與癌細胞分裂之研究

細胞中心體含有母、子二顆中心粒，主要是促成細胞纖毛，鞭毛的形成及參與細胞有絲分裂。畸型小頭症是一種人類遺傳疾病，主要症狀是病人腦容量小，並伴隨中，重度智力障礙。本研究室主要是利用分子，細胞，遺傳，小鼠基因剔除，及 hiPSC-derived 神經幹細胞所誘發類人腦器官之技術，來探討中心體/中心粒及纖毛形成機轉，並探討干擾此機轉所可能誘發人類畸型小頭症，纖毛病變，及癌症之原因。

### REVIEWER OF PAPERS FOR:

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Nature Genetics

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