

## **Appendix**

### **About the research team**

The research team is devoted to the development of microrobotic platforms for biofilm eradication. Following the earlier successful development of a magnetic helical microrobot for biofilm eradication in ear tubes, and a magnetic microswarm for biofilm eradication in biliary stents, this marks a breakthrough in related research. The team is currently collaborating with teams from CU Medicine, Lee Kong Chian School of Medicine, Nanyang Technological University and Singapore Centre for Environmental Life Sciences Engineering (SCELSE) to explore the potential applications of the micromachines in different clinical scenarios, and to transform the microrobotic technology into a clinically available option for patients.

### **Previous research:**

<https://www.cpr.cuhk.edu.hk/en/press/cuhk-develops-a-novel-magnetic-helical-microrobot-with-endoscope-assisted-delivery-for-biofilm-eradication-in-ear-tubes/>

## **附件**

### **有關研究團隊**

研究團隊一直致力於研發用於菌膜治療的磁性微型機械人和相關的平台。繼早前成功開發用於消除中耳導管中菌膜感染的磁性螺旋微型機械人，和用於根除膽道支架內菌膜的磁性微型集群機械人後，這是相關研究的又一突破。該團隊目前正在與來自中大醫學院、新加坡南洋理工大學李光前醫學院和新加坡環境生物工程中心的團隊合作，致力於探索微型機械人在不同醫療領域的應用，並使微型機械人成為臨床治療菌膜感染的可行方案。

### **早前相關研究：**

<https://www.cpr.cuhk.edu.hk/tc/press/cuhk-develops-a-novel-magnetic-helical-microrobot-with-endoscope-assisted-delivery-for-biofilm-eradication-in-ear-tubes/>