



生物醫學研究所

Graduate Institute of Biomedical Sciences

博士學位論文公開演講

Doctoral Oral Defence Seminar

演講者Speaker：劉兆秦博士候選人 Ph.D. candidate

主持人Host：陳怡原 教授

指導教授Advisor：林美惠 副教授

題 目 Title：Colony spreading and hitchhiking motility
of *Staphylococcus aureus*

時 間Time：2023/01/03 10:00-12:00

地 點Place：第一醫學大樓 8F 生醫所辦公室會議室

※※※ 歡迎參加 Welcome ※※※

生物醫學研究所

Graduate Institute of
BioMedical Sciences

CURRICULUM VITAE

Name : 劉兆秦 (英文 : Liu, Chao-Chin)

Education :

長庚大學生物醫學系

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Publication :

1. Lin MH, Ke WJ, Liu CC, Yang MW. Modulation of *Staphylococcus aureus* spreading by water. Sci Rep. 2016 Apr 29;6:25233. doi: 10.1038/srep25233. PMID: 27125382; PMCID: PMC4850448.
2. Liu CC, Lin MH. Involvement of Heme in Colony Spreading of *Staphylococcus aureus*. Front Microbiol. 2020 Feb 11;11:170. doi: 10.3389/fmicb.2020.00170. PMID: 32117177; PMCID: PMC7026375.
3. Hitchhiking motility of *Staphylococcus aureus* involves the interaction between its wall teichoic acids and lipopolysaccharide of *Pseudomonas aeruginosa* (accepted: 13 December 2022, Front Microbiol, authoer: Liu, Chao-Chin and Lin, Mei-Hui, IF: 6.06)

Posters:

1. Involvement of heme and iron in colony spreading of *Staphylococcus aureus*, International Symposium on Staphylococci and Staphylococcal Infections (ISSSI), 南韓, 201608
2. FACILITATED MOVEMENT OF *STAPHYLOCOCCUS AUREUS* BY *PSEUDOMONAS AERUGINOSA*, International Symposium on Staphylococci and

Staphylococcal Infections (ISSSI), 丹麥, 201808

3. Involvement of hemes in colony spreading of *Staphylococcus aureus*, 長庚大學生醫所, 台灣, 201906
4. Alternative spreading of *Staphylococcus aureus* by hitchhiking on *Pseudomonas aeruginosa*, 長庚大學生醫所, 台灣, 202007
5. Alternative spreading of *Staphylococcus aureus* by hitchhiking *Pseudomonas aeruginosa*, 細菌學演討會, 台灣, 202208

Oral presentation :

1. Alternative spreading of *Staphylococcus aureus* by hitchhiking on *Pseudomonas aeruginosa*, 長庚大學生醫所, 台灣, 202007