長庚大學
CHANG GUNG UNIVERSITY

生物醫學研究所

Graduate Institute of Biomedical Sciences

博士學位論文口試

Doctoral Oral Defence Seminar

Speaker： 黃絜莘 博士候選人

Jie-Xin Huang Ph.D. Candidate

Host： 余兆松 (Yu, Jau-Song) 教授

Advisor： 游佳融 (Chia-Jung Yu) 教授

Title：Study the regulation and function of oxidative stress-induced KPNA2 nucleocytoplasmic shuttling

探討氧化壓力誘導 KPNA2核質穿梭的調節與功能

Time：2024/10/11 13:00

Place：第一醫學大樓九樓 9B 會議室

※※※ 歡迎參加 Welcome ※※※

生物醫學研究所

Graduate Institute of BioMedical Sciences

CURRICULUM VITAE

Name : 黃絜莘 (Jie-Xin Huang)

Education :

長庚大學 生物醫學研究所生化分生組 碩士

高雄醫學大學 生物醫學暨環境生物學系 學士

Publication :

1. Jie-Xin Huang, Chun-I Wang, Chia-Yu Kuo, Ting-Wei Chang, Yu-Chin Liu, Ting-Feng Hsiao, Chih-Liang Wang, Chia-Jung Yu (2024, Jul). Oxidative stress mediates nucleocytoplasmic shuttling of KPNA2 via AKT1-CDK1 axisregulated S62 phosphorylation. FASEB BioAdvances, 6(8):276-288.
2. Jie-Xin Huang, Yi-Cheng Wu, Ya-Yun Cheng, Chih-Liang Wang, Chia-Jung Yu (2019, Dec). IRF1 Negatively Regulates Oncogenic KPNA2 Expression Under Growth Stimulation and Hypoxia in Lung Cancer Cells. OncoTargets and Therapy, 12:11475-11486..

Posters:

1. Jie-Xin Huang, Chun-I Wang, Chia-Yu Kuo, Ting-Wei Chang, Ting-Feng Hsiao, Chia-Jung Yu (2024, Mar). Oxidative stress regulates phosphorylation and nucleocytoplasmic distribution of import α1 protein complex through AKT1 and CDK1 signaling. 2024 生物醫學聯合學術年會 The 38th Joint Annual Conference of Biomedical Science, Mar 23-24, 2024, Taipei, Taiwan.

2. Jie-Xin Huang, Chun-I Wang, Ting-Wei Chang, Ting-Feng Hsiao, Chia-Jung Yu (2023, Dec). The phosphorylation and differential protein complex of KPNA2 is regulated by AKT and CDK1 signaling under H2O2-induced oxidative stress. Cell Bio 2023-An ASCB|EMBO Meeting, Dec 2-6, 2023, Boston, MA, USA.

3. Jie-Xin Huang, Chun-I Wang, Ting-Wei Chang, Ting-Feng Hsiao, Chia-Jung Yu (2023, Nov). Kinase Screen and Quantitative Proteomics Reveal Oxidative Stress-Induced KPNA2 Phosphorylation and Functional Interactome Through AKT1 and CDK1 Signaling. 2023 多體學與精準醫學聯合會議 Multiomics and Precision Medicine Joint Conference, Nov 11-12, 2023, Taipei, Taiwan.

4. Jie-Xin Huang, Chia-Jung Yu (2022, Nov). Identification of the molecular mechanisms responsible for KPNA2 nuclear import in cancer cells under oxidative stress. 14th International Congress of Cell Biology & 9th Asian Pacific Organization for Cell Biology Joint Meeting, Nov 7-11, 2022, Taipei, Taiwan.

5. Yen-Ying Chu, Jie-Xin Huang, Chia-Jung Yu (2022, Nov). Study The Impact of Oxidative Stress-Induced Nuclear KPNA2 Complexes Formation via Proteomic Approach. Multiomics and Precision Medicine Joint Conference 2022, Nov 19- 20, 2022 , Taipei, Taiwan.

6. Jie-Xin Huang, Chia-Jung Yu (2022, Jan). Identification of the molecular mechanisms responsible for KPNA2 nuclear import in cancer cells under oxidative stress. 細胞及分子生物學會暨癌症醫學會聯合會議 (第28屆細胞及 分子生物新知研討會) 2022, Jan 14-16, 2022, Kaohsiung, Taiwan.

7. Jie-Xin Huang, Yi-Cheng Wu, Ya-Yun Cheng, Chih-Liang Wang, Chia-Jung Yu (2019, Nov). IRF1, a transcription factor reduced by epidermal growth factor and hypoxia treatment, is a novel suppressor of KPNA2 transcription in lung cancer. 台灣生物化學及分子生物學學會秋令營, Nov 15-17, 2022, New Taipei City, Taiwan

Oral presentation :

1. Jie-Xin Huang and Chia-Jung Yu. Oxidative stress-induced reduction of KPNA2 phosphorylation promotes its nuclear import and complex formation through AKT and CDK1 signaling. The annual Research Poster Competition of PhD Theses, Chang Gung University, Taiwan (2023).

Awards :

1. 2023 MOPM 多體學及精準醫學聯合會議 海報競賽特優
2. 2023 年長庚大學生醫所博士論文競賽 口頭論文競賽優選
3. 2022 MOPM 多體學及精準醫學聯合會議 海報競賽佳作