

CV Form

Name(中/英文)	饒梓明/Tzu-Ming Jao	
Affiliation(s)(中/英文)	臺灣大學/National Taiwan University	
Current Position Title	助理教授	
E-mail/Phone Number	tmjao@ntu.edu.tw	
Personal Website	https://scholars.lib.ntu.edu.tw/entities/person/0a4d489a-9547-486e-a118-cfb2922e4c7b	

個人簡歷 (No more than an A4 size paper)

Education/Training:

National Taiwan University, Taiwan	2008/09 – 2014/06
Ph.D. in Science, Department of Clinical Laboratory Sciences and Medical Biotechnology, College of Medicine	
National Dong Hwa University, Taiwan	1998/09 – 2000/06
M.S. in Science, Department of Life Science, College of Sciences and Engineering	
Tamkang University, Taiwan	1993/09 – 1998/06
B.S. in Engineering, Department of Chemical Engineering, College of Engineering	

Professional and Research Experience:

Assistant Professor

Global Innovation Joint-Degree Program International Joint Degree Master's Program in Agro-Biomedical Science in Food and Health, National Taiwan University, Taipei, Taiwan	2022/08 – Present
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Senior Assistant Research Fellow

Department of Medical Education and Research, Kaohsiung Veterans General Hospital, Kaohsiung, Taiwan	2020/03 – 2022/07
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Adjunct Assistant Professor

Institute of Precision Medicine, National Sun Yat-sen University, Kaohsiung, Taiwan	2020/08 – 2022/07
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Postdoctoral Fellow

Graduate Institute of Toxicology, National Taiwan University, College of Medicine, Taipei, Taiwan	2018/04 – 2020/02
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Assistant Professor

Division of Chronic Kidney Disease (CKD) Pathophysiology, The University of Tokyo, Graduate School of Medicine, Tokyo, Japan	2015/10 – 2018/03
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Postdoctoral Fellow

Department of Clinical Laboratory Sciences and Medical Biotechnology, National Taiwan University, College of Medicine, Taipei, Taiwan	2014/07 – 2015/09
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Awards and Honors:

Outstanding Teaching Award

2025 EMI outstanding Teaching Award in the academic year 2025, National Taiwan University

2024 Outstanding Teaching Award in the academic year 2024, National Taiwan University

Publication Awards

2019 MOST Postdoctoral Publication Award, Taiwan

2015/2017 CLSMB Alumni Prize of Academic Publication, Taiwan

Oral Presentation Awards

2025 The top ten Abstract Award, The 62nd ERA-EDTA Congress, Austria

2025 Champion Award, The 39th Joint Annual Conference of Biomedical Science, Taiwan

2024 Champion Award, The 38th Joint Annual Conference of Biomedical Science, Taiwan

2023 Outstanding Award, The 37th Joint Annual Conference of Biomedical Science, Taiwan

2022 Outstanding Award, The 36th Joint Annual Conference of Biomedical Science, Taiwan

2018 Top 10% Abstract Award, International Society of Nephrology Frontiers Meeting, Japan

2017 Highest Asian Session Oral Award, The 60th Annual Meeting of the Japan Society of Nephrology, Japan

2017 Investigators Award, The 6th Chronic Kidney Disease Frontier Meeting, Japan

2017 Outstanding Award, The 31st Joint Annual Conference of Biomedical Science, Taiwan

Poster Awards

2024 Tien-Te Lee Biomedical Award, The 38th Joint Annual Conference of Biomedical Science, Taiwan

2021 The Best Poster Award, 5th Congress of Asian Pacific Society of Dialysis Access in conjunction with 2021 Annual Meeting of Taiwan Society of Nephrology

2018 Excellence Award, The 15th Taiwan Society of Laboratory Medicine Symposium, Taiwan

2018 Outstanding Award, The 33rd Joint Annual Conference of Biomedical Science, Taiwan

2017 Outstanding Research Award, Nagoya Chronic Kidney Disease Frontier, Japan

2014 Excellence Award, The 29th Joint Annual Conference of Biomedical Science, Taiwan

2013 Champion Award, The 10th Taiwan Society of Laboratory Medicine Symposium, Taiwan

2013 Excellence Award, The 6th Asia-Pacific Medical Laboratory Science Forum, Taiwan

2012 Outstanding Research Award, The 17th annual Taiwan Joint Cancer Conference, Taiwan

2012 Outstanding Research Award, The Biomarkers and Translational Medicine Symposium, Taiwan

2011 Excellence Award, The 10th Chinese Laboratory Medicine Conference Translational medicine, Taiwan

2011 Outstanding Research Award, The 8th Taiwan Society of Laboratory Medicine Symposium, Taiwan

Scholarship and Traveling Awards

2015 Postdoctoral Research Abroad Program, Ministry of Science and Technology, Taiwan

2011-2019 Traveling Awards, Ministry of Science and Technology, Taiwan (2011, 2014, 2015, and 2019)

2011-2012 Traveling Awards, Ministry of Education (2011 and 2012)

Selected Publications:

Peer-reviewed publications

1. **Tzu-Ming Jao**, Shih-Ci Ciou, Woei-Horng Fang, Shao-Yu Chiang, Jing-Xing Lee, Yu-Hsuan Tang, Yu-Xin Xiao, Po-Lin Chen, Cheng-Hsueh Lin, Shih-Syun Hong, Sung-Liang Yu, Ming-Hong Tsai, and Ya-Chien Yang. Tumor suppression through the interaction between CNTN4 and PTPRG attenuates EGFR signaling in colorectal cancer. *Cell Death & Disease*. In Revision.
2. Chi-Ting Su, Daniel H W See, Yue-Jhu Huang, **Tzu-Ming Jao**, Shin-Yun Liu, Chih-Yi Chou, Chun-Fu Lai, Wei-Chou Lin, Chih-Yuan Wang, Jenq-Wen Huang and Kuan-Yu Hung. LTBP4 protects against renal fibrosis via mitochondrial and vascular impacts. *Circulation Research*. 2023 Jun 23;133(1):71-85.
3. **Tzu-Ming Jao**, Chung-Ze Wu, Chao-Wen Cheng, Chian-Huei Guo, Chia-Yu Bai, Li-Chien Chang, Te-Chao Fang and Jin-Shuen Chen. Urokinase plasminogen activator deficiency aggravates cBSA-induced membranous nephropathy through Th2-prone immune response in mice. *Laboratory Investigation*. 2023 Mar 31;103(7):100146.
4. Yan-Hua Chen, **Tzu-Ming Jao**, Yow-Ling Shiue, I-Jung Feng, Ping-I Hsu. Prevalence and risk factors for *Candida* esophagitis among human immunodeficiency virus-negative individuals. *World Journal of Clinical Cases*. 2022 Oct 26;10(30):10896-10905.
5. En-Shao Liu, Nai-Ching Chen, **Tzu-Ming Jao** and Chien-Liang Chen. Dextromethorphan reduces oxidative stress and inhibits uremic artery calcification. *International Journal of Molecular Sciences*. 2021 Nov 13;22(22):12277.
6. Chi-Ting Su, **Tzu-Ming Jao**, Zsolt Urban, Yue-Jhu Huang, Daniel H W See, Yao-Chou Tsai, Wei-Chou Lin and Jenq-Wen Huang. LTBP4 affects renal fibrosis by influencing angiogenesis and altering mitochondrial structure. *Cell Death & Disease*. 2021 Oct 13;12(10):943.
7. **Tzu-Ming Jao**, Woei-Horng Fang, Shih-Ci Ciou, Sung-Liang Yu, Yu-Lin Hung, Wei-Ting Weng, Tsai-Yi Lin, Ming-Hong Tsai and Ya-Chien Yang. PCDH10 exerts tumor-suppressor functions through modulation of EGFR/AKT axis in colorectal cancer. *Cancer Letters*. 2021 Feb 28;499:290-300.
8. Hiroshi Maekawa, Tsuyoshi Inoue, **Tzu-Ming Jao**, Reiko Inoue, Hiroshi Nishi, Rie Fujii, Fumiyoshi Ishidate, Tetsuhiro Tanaka, Yosuke Tanaka, Nobutaka Hirokawa, Masaomi Nangaku, Reiko Inagi. Mitochondrial DNA leakage causes inflammation via cGAS-STING signaling in cisplatin-induced acute kidney injury. *Cell Reports*. 2019 Oct 29;29(5):1261-1273.e6.

9. **Tzu-Ming Jao**, Masaomi Nangaku, Chia-Hsien Wu, Mai Sugahara, Hisako Saito, Hiroshi Maekawa, Mari Aoe, Yu Ishimoto, Tetsuhiro Tanaka, Bart Staels, Kazutoshi Mori and Reiko Inagi. ATF6 α downregulation of PPAR α promotes lipotoxicity-induced tubulointerstitial fibrosis. *Kidney International*. 2019 Mar; 95(3):577-589.
10. Thitinun Anusornvongchai, Masaomi Nangaku, **Tzu-Ming Jao**, Chia-Hsien Wu, Yu Ishimoto, Hiroshi Maekawa, Tetsuhiro Tanaka, Akira Shimizu, Masayuki Yamamoto, Norio Suzuki, Ryoji Sassa and Reiko Inagi. Palmitate deranges erythropoietin production via ATF4 activation of unfolded protein response. *Kidney International*. 2018 Sep; 94(3):536-550.
11. Yosuke Hirakawa, **Tzu-Ming Jao** and Reiko Inagi. Pathophysiology and therapeutics of premature ageing in chronic kidney disease, with a focus on glycative stress. *Clin Exp Pharmacol Physiol*. 2017 Dec;44 Suppl 1:70-77.
12. Akira Okada, Masaomi Nangaku, **Tzu-Ming Jao**, Hiroshi Maekawa, Yu Ishimono, Takahisa Kawakami and Reiko Inagi. D-serine, a novel uremic toxin, induces senescence in human renal tubular cells via GCN2 activation. *Scientific Reports*. 2017 Sep; 11;7(1):11168.
13. Sho Hasegawa, **Tzu-Ming Jao** and Reiko Inagi. Dietary metabolites and chronic kidney disease. *Nutrients*. 2017 Apr 4;9(4):358.
14. Reiko Inagi, Yu Ishimoto and **Tzu-Ming Jao**. Foreseeing the future of glomerular disease through slits: miR-NPNT axis. *Kidney International*. 2017 Oct;92(4):782-784.
15. **Tzu-Ming Jao**, Ya-Lin Li, Shu-Wha Lin, Sheng-Tai Tzeng, I-Shing Yu, Sou-Jhy Yen, Ming-Hong Tsai and Ya-Chien Yang. Alteration of colonic epithelial cell differentiation in mice deficient for glucosaminyl N-deacetylase/N-sulfotransferase 4. *Oncotarget*. 2016 Dec 20; 7(51): 84938-84950.
16. **Tzu-Ming Jao** and Reiko Inagi. The gut-kidney connection in advanced chronic kidney disease. *Health and Nutrition*. 2016 Oct 1; (1): 17-28.
17. Ming-Hong Tsai, Wen-Chi Chen, Sung-Liang Yu, Chun-Chieh Chen, **Tzu-Ming Jao**, Chi-Yen Huang, Sheng-Tai Tzeng, Sou-Jhy Yen and Ya-Chien Yang. DNA hypermethylation of SHISA3 in colorectal cancer: An independent predictor of poor prognosis. *Annals of Surgical Oncology*. 2015 Dec; 22 Suppl 3:S1481-9.
18. **Tzu-Ming Jao**, Ming-Hong Tsai, Wei-Ting Weng, Hoi-Yan Lio, Chia-Yun Chang, Yen-Chun La and Ya-Chien Yang. Protocadherin 10 suppresses tumorigenesis and metastasis in colorectal cancer and its genetic loss predicts a poor prognosis. *International Journal of Cancer*. 2014; 135(11): 2593-2603.

19. Sheng-Tai Tzeng, Ming-Hong Tsai, Chi-Long Chen, Jing-Xing Lee, **Tzu-Ming Jao**, Sung-Liang Yu, Sou-Jhy Yen and Ya-Chien Yang. NDST4 is a novel candidate tumor suppressor gene at chromosome 4q26 and its genetic loss predicts adverse prognosis in colorectal cancer. *PLoS One* 2013; 8(6): e67040.
20. Szu-Yuan Pu, Ren-Huang Wu, Chi-Chen Yang, **Tzu-Ming Jao**, Ming-Han Tsai, Jing-Chyi Wang, Hui-Mei Lin, Yu-Sheng Chao and Andrew Yueh. Successful propagation of flavivirus infectious cDNAs by a novel method to reduce the cryptic bacterial promoter activity of virus genomes. *Journal of Virology*. 2011; 85: 2927-2941.

International conference proceedings

Oral presentation

1. Pin-Hsuan Chen, Jenq-Wen Huang, Chia-Hsien Wu, **Tzu-Ming Jao**. Single-Cell Transcriptomic Analysis Identifies Prognostic Markers for Peritoneal Dialysis Longevity. 2025 Taiwan Medical Week – Joint Scientific Meeting of the Formosa Medical Associations, 2025, Nov 8, Taipei, Taiwan. (Corresponding author)
2. Chi-An Hsieh, Ruo-Jie Liu, Cheng-Hsueh Lin, Sheng-Chu Chou, Shu-Wei Chang, Ya-Chien Yang, **Tzu-Ming Jao**. NPT2b Deficiency Mitigates Tubulointerstitial Fibrosis via Mitochondrial Restoration and Suppression of Partial Epithelial-Mesenchymal Transition in Renal Tubular Cells. The 62nd ERA-EDTA Congress, 2025, June 4-7, Vienna, Austria. (The top ten abstracts, a total of 2,106 abstracts in the competition, Corresponding author)
3. Chi-An Hsieh, Ruo-Jie Liu, Cheng-Hsueh Lin, Shu-Wei Chang, Ya-Chien Yang, **Tzu-Ming Jao**. NPT2b deficiency mitigated renal fibrosis through amelioration of mitochondrial dysfunction and partial epithelial-mesenchymal transition. The 39th Joint Annual Conference of Biomedical Science, 2025, Mar 22-23, Taipei, Taiwan. (The First Prize in the Oral Presentation, Corresponding author)
4. Cheng-Hsueh Lin, Chi-An Hsieh, **Tzu-Ming Jao*** and Tsai-Kun Li*. Pathological R-loop Accumulation Drives Mitochondrial Dysfunction and Tubular Cell Death via NAD⁺-PGC1 α Axis Dysregulation in Acute Kidney Injury. The 39th Joint Annual Conference of Biomedical Science, 2025, Mar 22-23, Taipei, Taiwan. (Co-corresponding author)
5. Cheng-Hsueh Lin, Chi-An Hsieh, **Tzu-Ming Jao*** and Tsai-Kun Li*. The R-loop Sensing Pathway Orchestrates Inflammatory Responses Driving Cisplatin-Induced Acute Kidney Injury. The 21st International Joint Mini-symposium on Molecular and Cell Biology, 2024, June 8th, Kyoto, Japan. (The First Prize in the Oral Presentation, Co-corresponding author)
6. Cheng-Hsueh Lin, Chi-An Hsieh, **Tzu-Ming Jao*** and Tsai-Kun Li*. The R-loop Sensing Pathway Orchestrates Inflammatory Responses Driving Cisplatin-Induced Acute Kidney Injury. The 38th Joint Annual Conference of Biomedical Science, 2024, Mar 23-24, Taipei, Taiwan. (The First Prize in the Oral Presentation, Co-corresponding author)

7. Hsin-Hung Chen, **Tzu-Ming Jao**, Chia-Jung Li, and Jin-Shuen Chen. Impact of irisin deficiency on podocytopathy and diabetic kidney disease in a murine model. 2023 Annual Meeting of Taiwan Society of Nephrology, 2023, Dec 9-10, Taipei, Taiwan.
8. Liang-Shuan Hu, Sheng-Cheng Zhang, Chia-Hui Tsai, Chun-Ching Wu, Hoang Nguyen Phuong Thao, Wei-Che Chang, Wei-Ya Chang, Ya-Chien Yang and **Tzu-Ming Jao**. SLC34A2 exacerbates tubular interstitial fibrosis via induction of apoptosis and cell cycle arrest in S phase. The 60th ERA-EDTA Congress, 2023, June 15-18, Milan, Italy. Nephrology Dialysis Transplantation, Volume 38, Issue Supplement_1, June 2023, gfad063c_2685. (Corresponding author)
9. Liang-Shuan Hu, Sheng-Cheng Zhang, Chia-Hui Tsai, Chun-Ching Wu, Hoang Nguyen Phuong Thao, Wei-Che Chang, Wei-Ya Chang, Ya-Chien Yang and **Tzu-Ming Jao**. SLC34A2 exacerbates tubular interstitial fibrosis via induction of apoptosis and cell cycle arrest in S phase. The 37th Joint Annual Conference of Biomedical Science, 2023, Mar 18-19, Taipei, Taiwan. (Outstanding Award, Corresponding author)
10. Chung-Ze Wu#, **Tzu-Ming Jao**#, Chian-Huei Guo, Chia-Yu Bai and Jin-Shuen Chen. Gender differences in metabolic disorders in irisin-deficient mice. Annual Meeting of Taiwan Society of Nephrology, 2022, Dec 10, Taipei, Taiwan. (#Co-first author)
11. **Tzu-Ming Jao**, Chia-Yu Bai, Chian-Huei Guo, Jin-Shuen Chen. Deficiency of urokinase-type plasminogen activator exacerbates cBSA-induced membranous nephropathy in mice. The 59th ERA-EDTA Congress, 2022, May 19-22, Paris, France. (Top 20% Abstract)
12. **Tzu-Ming Jao**, Shih-Ci Ciou, Shao-Yu Chiang, Jing-Xing Lee, Yu-Xin Xiao, Ming-Hong Tsai and Ya-Chien Yang. CNTN4 inhibits tumorigenesis via reduction of uPA-mediated angiogenesis in colorectal cancer: its allelic loss predicts adverse survival. The 36th Joint Annual Conference of Biomedical Science, 2022, Mar 26 – 27, Taipei, Taiwan. (Outstanding Award)
13. Hiroshi Maekawa, **Tzu-Ming Jao**, Reiko Inoue, Hiroshi Nishi, Tsuyoshi Inoue, Masaomi Nangaku and Reiko Inagi. Mitochondrial DNA Leakage Causes Inflammation via the cGAS-STING Axis in Cisplatin-Mediated Tubular Damage. American Society of Nephrology Annual Meeting, 2018, Oct 23 – 28, San Diego, USA.
14. **Tzu-Ming Jao**, Chia-Hsien Wu, Hiroshi Maekawa, Mari Aoe, Akira Okada, Yu Ishimoto, Masaomi Nangaku, Reiko Inagi. ATF6 and PPAR α crosstalk provides a new insight in lipotoxicity-induced tubulointerstitial fibrosis. The 61th Annual Meeting of the Japanese Society of Nephrology, 2018, Jun 8 – Jun 10, Nigata, Japan.
15. **Tzu-Ming Jao**, Chia-Hsien Wu, Hiroshi Maekawa, Mari Aoe, Yu Ishimoto, Masaomi Nangaku, Reiko Inagi. UPR deranges lipid metabolism and accelerates tubulointerstitial fibrosis: ATF6-PPAR α axis. Japanese Society of Kidney and Lipids, 2018, Mar 17, Tokyo,

Japan.

16. **Tzu-Ming Jao**, Chia-Hsien Wu, Hiroshi Maekawa, Mari Aoe, Akira Okada, Yu Ishimoto, Masaomi Nangaku, Reiko Inagi. ATF6 activation drives lipotoxicity and tubulointerstitial fibrosis in renal ischemia-reperfusion injury. International Society of Nephrology Frontiers Meeting, 2018, Feb 22 – Feb 25, Tokyo, Japan. (The top 10% Abstract Award)
17. **Tzu-Ming Jao**, Chia-Hsien Wu, Hiroshi Maekawa, Mari Aoe, Yu Ishimoto, Masaomi Nangaku, Reiko Inagi. ATF6 Activation Drives Lipotoxicity and Tubulointerstitial Fibrosis in Mice with Ischemia-Reperfusion. The 8th Japan Society of Pathophysiology in Kidney Failure, 2017, Dec 9, Tokyo, Japan.
18. **Tzu-Ming Jao**, Yu Ishimoto, Akira Okada, Hiroshi Maekawa, Masaomi Nangaku, Reiko Inagi. ATF6 deranges tubular homeostasis via mitochondrial fatty acid metabolism: a role for ATF6-PPARalpha axis. The 60th Annual Meeting of the Japanese Society of Nephrology, 2017, May 26-28, Sendai, Japan. (The First Prize in the Oral Presentation)
19. Yu-Xin Xiao, Shih-Ci Ciou, **Tzu-Ming Jao**, Shao-Yu Chiang, Jing-Xing Lee, Chen-Syuan Huang, Ming-Hong Tsai, Ya-Chien Yang. Contactin 4 Suppresses Tumor Growth through Inhibition of Angiogenesis Pathway in Colorectal Cancer. The 32th Joint Annual Conference of Biomedical Science, 2017, Mar, Taipei, Taiwan. (Outstanding Award)

Poster presentation

1. Tzu-Lin Hung, Chia-Hui Tsai, Liang-Shuan Hu, Jenq-Wen Huang, Ya-Chien Yang, **Tzu-Ming Jao**. TRPM8 mitigates tubular apoptosis and cystogenesis in ADPKD through BAG2 inhibition. Symposium on Endolysosomal Ion Channels and Diseases, 2025, Oct 25, Taipei, Taiwan. (Corresponding author)
2. Pin-Hsuan Chen, Jenq-Wen Huang, Chia-Hsien Wu, **Tzu-Ming Jao**. Single-Cell Transcriptomic Analysis Reveals Cellular and Molecular Mechanisms Underlying Peritoneal Dialysis Longevity and Complications. The 39th Joint Annual Conference of Biomedical Science, 2025, Mar 22-23, Taipei, Taiwan. (Corresponding author)
3. Jenq-Wen Huang, Chia-Hui Tsai, Liang-Shuan Hu, Chi-An Hsieh and **Tzu-Ming Jao**. Mitigation of Tubular Apoptosis and Cystogenesis in ADPKD: The Impact of TRPM8 through Restriction of Mitochondrial Function. The 61st ERA-EDTA Congress, 2024, May 23-26, Stockholm, Sweden. Nephrology Dialysis Transplantation, Volume 39, Issue Supplement_1, May 2024, gfae069-1192-788. (Corresponding author)
4. Chia-Hui Tsai, Hua-Chang Fang, Kang-Ju Chou, Liang-Shuan Hu, Chun-Ching Wu, Jenq-Wen Huang, **Tzu-Ming Jao**. TRPM8 Mitigates Tubular Apoptosis and Cyst Growth via Mitochondrial Dysfunction in Mice with Autosomal Dominant Polycystic Kidney Disease. The 38th Joint Annual Conference of Biomedical Science, 2024, Mar 23-24, Taipei, Taiwan. (2024年永信李天德醫藥基金會壁報論文獎, Corresponding author)

5. Chi-An Hsieh, Ruo-Jie Liu, Liang-Shuan Hu, Chia-Hui Tsai, Cheng-Hsueh Lin, Shu-Wei Chang, Ya-Chien Yang, **Tzu-Ming Jao**. SLC34A2 Gene: Unveiling Its Significance in Chronic Kidney Disease and the Altered Metabolism of Proximal Tubular Cells through Metabolomic Analysis. The 38th Joint Annual Conference of Biomedical Science, 2024, Mar 23-24, Taipei, Taiwan. (Corresponding author)
6. Chia-Ling Tsai, Shi-Rou Hsiao, Sheng-Tai Tzeng, **Tzu-Ming Jao**, Ming-Hong Tsai and Ya-Chien Yang. Pathway enrichment analyses of N-deacetylase/N-sulfotransferase 4-mediated tumor suppression in colorectal cancer. The 38th Joint Annual Conference of Biomedical Science, 2024, Mar 23-24, Taipei, Taiwan.
7. Yu-Hsuan Tang, Hsin-Ting Lee, I-Chien Lin, Po-Lin Chen, Jing-Xing Lee, Shao-Yu Chiang, **Tzu-Ming Jao**, Ming-Hong Tsai, Ya-Chien Yang. Molecular Mechanisms of Contactin 4-mediated Tumor Suppressor Functions in Colorectal Cancer. The 38th Joint Annual Conference of Biomedical Science, 2024, Mar 23-24, Taipei, Taiwan.
8. Ruo-Jie Liu, Chi-An Hsieh, Liang-Shuan Hu, Chia-Hui Tsai, Cheng-Hsueh Lin, Shu-Wei Chang, Ya-Chien Yang, Chih-Kang Chiang, **Tzu-Ming Jao**. Modulation of Mitochondrial Function and Tubulointerstitial Fibrosis by SLC34A2 in the Context of Chronic Kidney Disease. The 38th Joint Annual Conference of Biomedical Science, 2024, Mar 23-24, Taipei, Taiwan. (Corresponding author)
9. Chia-Hui Tsai, Hua-Chang Fang, Kang-Ju Chou, Liang-Shuan Hu, Chun-Ching Wu, Hoang Nguyen Phuong Thao, Wei-Zhe Zhang and **Tzu-Ming Jao**. Activation of TRPM8 ameliorates progression of autosomal dominant polycystic kidney disease through suppression of tubular apoptosis and cyst growth in mice. The 37th Joint Annual Conference of Biomedical Science, 2023, Mar 18-19, Taipei, Taiwan. (Corresponding author)
10. **Tzu-Ming Jao**, Chia-Yu Bai, Chian-Huei Guo, Jin-Shuen Chen. uPA deficiency aggravates primary membranous nephropathy in mice. 5th congress of Asian Pacific Society of Dialysis Access, 2021, Dec 10-12, Kaohsiung City, Taiwan. (The First Prize in the Poster Presentation)
11. **Tzu-Ming Jao**, Chia-Ter Chao, Chih-Kang Chiang, Shing-Hwa Liu, Jenq-Wen Huang, Kuan-Yu Hung. Targeting interleukin 6 and interleukin 8: a novel strategy for preventing the progression of peritoneal calcification. The 56th ERA-EDTA Congress, 2019, Jun 13-16, Budapest, Hungary.
12. Po-Lin Chen, Jing-Xing Lee, Shao-Yu Chiang, **Tzu-Ming Jao**, Ming-Hong Tsai, Ya-Chien Yang. Contactin 4 acts as a potential tumor suppressor in colorectal cancer through its inhibitory effect on the ERK1/2-CREB pathway. The 34th Joint Annual Conference of Biomedical Science, 2019, Mar, Taipei, Taiwan.
13. Po-Lin Chen, Jing-Xing Lee, Shao-Yu Chiang, **Tzu-Ming Jao**, Ming-Hong Tsai, Ya-Chien Yang. Contactin 4 is a novel tumor suppressor gene in colorectal cancer and its genetic loss predicts adverse prognosis and tumor metastasis. Taiwan Society of Laboratory Medicine

Annual meeting, 2018, Nov, Taipei, Taiwan. (Outstanding Poster Award)

14. **Tzu-Ming Jao**, Chia-Hsien Wu, Hiroshi Maekawa, Mari Aoe, Akira Okada, Yu Ishimoto, Masaomi Nangaku, Reiko Inagi. ATF6 mediated lipotoxicity drives tubulointerstitial fibrosis in mice with ischemia-reperfusion injury. Asian Pacific Society of Nephrology, 2018, Mar 27 – Mar 31, Beijing, China.
15. Yi-Hsuan Hsu, Shih-Ci Ciou, **Tzu-Ming Jao**, Yu-Xin Xiao, Shao-Yu Chiang, Jing-Xing Lee, Chen-Syuan Huang, Ming-Hong Tsai, Ya-Chien Yang. Identification of Contactin 4 as a novel tumor suppressor and the antitumor potential of soluble Contactin 4 in colorectal cancer. The 33rd Joint Annual Conference of Biomedical Science, 2018, Mar, Taipei, Taiwan. (Outstanding Poster Award)
16. **Tzu-Ming Jao**, Chia-Hsien Wu, Mai Sugahara, Saito Hisako, Yu Ishimoto, Akira Okada, Hiroshi Maekawa, Mari Aoe, Tetsuhiro Tanaka, Masaomi Nangaku, Reiko Inagi. ATF6 knockout mice revealed that ER stress links lipotoxicity and kidney fibrosis. American Society of Nephrology Annual Meeting, 2017, Oct 31 – Nov 5, New Orleans, USA.
17. Ya-Chien Yang, **Tzu-Ming Jao**, Wei-Ting Weng, Yu-Lin Hung, Ming-Hong Tsai. Protocadherin 10 suppresses colorectal cancer progression through modulating cell cycle and β -catenin signaling and its genetic loss predicts poor prognosis. The 5th Congress of Asia Association of Medical Laboratory Scientists (AAMLS), 2017, Sep, Busan, Korea. (Outstanding Poster Award)
18. **Tzu-Ming Jao**, Yu Ishimoto, Akira Okada, Hiroshi Maekawa, Masaomi Nangaku, Reiko Inagi. ATF6 activation promotes renal fibrosis through exacerbation of energy metabolism by downregulating fatty acid oxidation. Nagoya Chronic Kidney Disease Frontier, 2017, Feb 25, Nagoya, Japan. (Outstanding Investigator Award)
19. Akira Okada, **Tzu-Ming Jao**, Hiroshi Maekawa, Yu Ishimoto, Masaomi Nangaku and Reiko Inagi. D-Serine, a novel emerging uremic toxin candidate, induces cell cycle arrest and apoptosis through up-regulation of er stress and oxidative stress in proximal tubular cells. American Society of Nephrology Annual Meeting, 2016, Nov. 15-20, Chicago, USA.
20. **Tzu-Ming Jao**, Ming-Hong Tsai, Wei-Ting Weng, Hoi-Yan Lio and Ya-Chien Yang. Protocadherin 10 suppresses tumorigenesis and metastasis via down-regulation of AKT/GSK3 β and up-regulation of p53/p21 signaling pathways in colorectal cancer. 20th annual Taiwan Joint Cancer Conference, 2015, May 2-3, Taipei, Taiwan.
21. **Tzu-Ming Jao**, Ming-Hong Tsai, Sheng-Tai Tzeng and Ya-Chien Yang. N-deacetylase/N-sulfotransferase (heparan glucosaminyl) 4, a novel tumor suppressor, suppresses tumorigenesis and liver metastasis of colorectal cancer cells in mice. AACR Annual Meeting, 2015, Apr 18-22, Philadelphia, Pennsylvania, USA.

22. Yu-Lin Hung, **Tzu-Ming Jao**, Ming-Hong Tsai, Wei-Ting Weng and Ya-Chien Yang. Protocadherin 10-mediated suppression of tumorigenesis and metastasis in colorectal cancer. AACR Annual Meeting, 2015, Apr 18-22, Philadelphia, Pennsylvania, USA.
23. Pi-Han Lin, **Tzu-Ming Jao**, Hsing-Pang Hsieh and Sui-Yuan-Chang. BPR2P001S0, a Coumarin derivative, induced cell cycle arrest in A549 through inhibiting PDPK1 activity. AACR Annual Meeting, 2015, Apr 18-22, Philadelphia, Pennsylvania, USA.
24. Ya-Chien Yang, Shao-Yu Chiang, Jing-Xing Lee, **Tzu-Ming Jao**, Chen-Syuan Huang and Ming-Hong Tsai. Identification of contactin 4 as a novel tumor suppressor in colorectal cancer. The 31th World Congress of Biomedical Laboratory Science, 2014, Oct 3-7, Taipei, Taiwan.
25. Ya-Lin Li, Ming-Hong Tsai, Sheng-Tai Tzeng, Jing-Xing Lee, Chi-Yen Huang, Wei-Chen Lo, **Tzu-Ming Jao** and Ya-Chien Yang. Generation and phenotypic analysis of *ndst4* knockout mice. The 29th Joint Annual Conference of Biomedical Science, 2014, Mar 15-16, Taipei, Taiwan.
26. Che-Wei Chang, Chi-Yen Huang, Ming-Hong Tsai, **Tzu-Ming Jao** and Ya-Chien Yang. *Ndst4* deficiency enhances acute colitis in mice. The 29th Joint Annual Conference of Biomedical Science, 2014, Mar 15-16, Taipei, Taiwan.
27. **Tzu-Ming Jao**, Ming-Hong Tsai, Chi-Yen Huang, Sheng-Tai Tzeng, Jing-Xing Lee, Wei-Chen Lo, Che-Wei Chang and Ya-Chien Yang. Acute colitis and colitis-associated cancer are exacerbated in mice deficient N-deacetylase/N-sulfotransferase-4. AACR Annual Meeting, 2014, Apr 4-9, San Diego, California, USA.
28. Chi-Yen Huang, Ming-Hong Tsai, **Tzu-Ming Jao**, Sheng-Tai Tzeng, Jing-Xing Lee, Wei-Chen Lo, Che-Wei Chang and Ya-Chien Yang. *Ndst4* deficiency enhances acute colitis and colitis-associated tumor progression in mice. The 10th Taiwan Society of Laboratory Medicine Symposium, 2013, Nov 2-3, Taipei, Taiwan.
29. Chi-Yen Huang, Ming-Hong Tsai, **Tzu-Ming Jao**, Sheng-Tai Tzeng, Jing-Xing Lee, Wei-Chen Lo, Che-Wei Chang and Ya-Chien Yang. *Ndst4* deficiency enhances acute colitis and colitis-associated tumor progression in mice. The 15th International Congress of Immunology, 2013, Aug 22-27, Milan, Italy.
30. **Tzu-Ming Jao**, Ming-Hong Tsai, Wei-Ting Weng, Hoi-Yan Lio, Chia-Yun Chang, Yen-Chun La and Ya-Chien Yang. Protocadherin 10 suppresses tumorigenesis and metastasis in colorectal cancer and its genetic loss predicts a poor prognosis. The 6th World Cancer Congress, 2013, 384, May 23-25, Xi'an, China.