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簡要學經歷

國立中興大學獸醫系 副教授 2020.02-2023.02

國立中興大學獸醫系 助理教授 2013.08-2020.02

美國康乃爾大學獸醫學院 博士後研究、副研究員 2009.07-2013.08

國立台灣大學生化科學研究所暨中央研究院國際研究生學程 博士 2005.09-2009.06

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榮譽

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李崇道博士基金會臺灣獸醫菁英獎-教學研究獎 (2022年)

國立中興大學優聘教師 (2020.08-2022.07、2022.08-2024.07)

中央研究院國內學人短期來院訪問研究獎勵 (104年第2梯次、109年第2梯次)

研究興趣

新冠肺炎病毒(SARS-CoV-2)、貓冠狀病毒(FCoV)蛋白酶之結構功能分析與抑制劑開發

細菌毒力因子致病機轉之探討

動物病原檢與測試劑開發、伴侶動物腸道菌叢分析與基因檢測

代表著作 (選錄2015年後SCI論文)

1. Ma TY, **Kuo CJ**, Liu PC. From Mutation to Manifestation: Evaluation of a PKLR Gene Truncation Caused by Exon Skipping in a Schnauzer Terrier. *Animals (Basel)*. 2025;15(24):3634
2. Wang Q, Yang Y, He B, Huang JW, **Kuo CJ**#, Chen CC#, Guo RT#. (#corresponding authors) Structural insight of a bi-functional isoprenyl diphosphate synthase Rv0562 from Mycobacterium tuberculosis. *Int J Biol Macromol*. 2025; 318:145171
3. Li CW, Chao TL, Lai CL, Lin CC, Pan MY, Cheng CL, **Kuo CJ**, Wang LH, Chang SY, Liang PH. Systematic Studies on the Anti-SARS-CoV-2 Mechanisms of Tea Polyphenol-Related Natural Products. *ACS Omega*. 2024; 9(22):23984-23997
4. Palla SR, Li CW, Chao TL, Lo HV, Liu JJ, Pan MY, Chiu YT, Lin WC, Hu CW, Yang CM, Chen YY, Fang JT, Lin SW, Lin YT, Lin HC, **Kuo CJ**#, Wang LH#, Chang SY#, Liang PH#. (#corresponding authors) Synthesis, evaluation, and mechanism of 1-(4-(arylethylencarbonyl)phenyl)-4- carboxy-2-pyrrolidinones as potent reversible SARS-CoV-2 entry inhibitors. *Antiviral Res*. 2023; 219:105735
5. Li Y, Xu W, Ren Y, Cheung HC, Huang P, Kaur G, **Kuo CJ**, McDonough SP, Fubini SL, Lipkin SM, Deng X, Chang YF, Huang L. Plakoglobin and High-Mobility Group Box 1 Mediate Intestinal Epithelial Cell Apoptosis Induced by Clostridioides difficile TcdB. *mBio*. 2022;13(5); e0184922.
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- with anti-SARS-CoV-2 capability via multiple targets. *Pharmaceutics*, 2022;14(1),176.
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 11. Chen CC*, Yu X*, **Kuo CJ***, Min J, Chen S, Ma L, Liu K, Guo RT. (*equal contribution) Overview of antiviral drug candidates targeting coronaviral 3C-like main proteases. *FEBS J*. 2021;288(17):5089-5121
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characterization of *Clostridium difficile* isolates from a pig slaughterhouse, pork, and humans in Taiwan. *Int J Food Microbiol.* 2017; 242:37-44

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專書

Ptak CP, **Kuo CJ**, Chang YF. **Moonlighting Proteins: Novel Virulence Factors in Bacterial Infections** Ch. 20 Mycobacterium tuberculosis Antigen 85 Family Proteins: Mycolyl Transferases and Matrix Binding Adhesins.

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Patents

Liang PH, **Kuo CJ**, Shih YP. **Protein expression system involving mutated severe respiratory syndrome-associated coronavirus 3C-like protease.** US patent number: US8053222