



## Shih-Cheng CHEN, Ph.D.

1. Project Assistant Investigator, National Institute of Cancer Research, National Health Research Institutes, Taiwan
2. Adjunct Assistant Professor, Department of Biochemistry and Molecular Biology, College of Medicine, National Cheng-Kung University, Taiwan

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### Education

B.S., Department of Agricultural Chemistry, National Taiwan University, Taiwan

M.Sc., Department of Pharmacognosy, LACDR/Leiden University, The Netherlands

Ph.D., Department of Molecular Genetics, Leiden University, The Netherlands

### Professional Experiences

1. Project Assistant Professor, Department of Biochemistry and Molecular Biology, College of Medicine, National Cheng-Kung University, Taiwan (2021-2022)
2. Assistant Research Fellow, Department of Biochemistry and Molecular Biology, College of Medicine, National Cheng-Kung University, Taiwan (2020-2021)
3. Senior Officer/Secretary, Office of Research and Development, Kaohsiung Medical University, Taiwan (2016- 2020)
4. RD manager, AAE Europe B.V., The Netherlands (2012-2015)
5. Postdoctoral Research Fellow, Netherlands Cancer Institute-AVL Hospital, The Netherlands (2010-2011)

### Research Interests and Expertise

Medical RNA biology and related health data science

### Selected Publications

1. **Chen SC**, Xu CT, Chang CF, Chao TY, Lin CC, Fu PW, Yu CH\*. Optimization of 5'UTR to evade SARS-CoV-2 Nonstructural protein 1-directed inhibition of protein synthesis in cells. *Appl Microbiol Biotechnol*. 2023, 107(7-8):2451-2468
2. Ku YC, Lin PH, Huang CY, Lee CW, Yu CH, **Chen SC\***, Liu WM\*. An iminocoumarin based covalent-assembly red-emitting fluorescent probe for detection of  $\beta$ -galactosidase activity in ovarian cancer cells. *Dyes and Pigments*, 2023, 210:111004
3. Huang SH, **Chen SC**, Wu TY, Chen CY, Yu CH. Programmable modulation of ribosomal frameshifting by mRNA targeting CRISPR-Cas12a system. *iScience*, 2023, 26(12):108492