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EDUCATION			
INSTITUTION AND LOCATION	DEGREE	YEAR(S)	FIELD OF STUDY
National Yang Ming University	Ph.D.	2001-	Microbiology and Immunology
National Taiwan University	B.S.	1991	Plant Pathology

Positions and Employment (含現職，由最近者往前追溯)

National Health Research
Institutes: Zhunan, Taiwan, TW
2009- to present |

Associate Investigator (Institute of Infectious Disease and
Vaccinology)

California Institute of
Technology: Pasadena
2003 to 2009

Postdoc (Division of Biology)

Academia Sinica:
2001-10 to 2003-

Postdoc (Institute of Molecular Biology)

Selected publications (*corresponding author) (請擇代表著作，時間先後順序由最近者往前追溯)

2024-2020

Deshpande P , Chen CY , Chimata AV , Li JC , Sarkar A , Yeates C **Chen CH** , Kango-Singh M , Singh A miR-277 targets the proapoptotic gene-hid to ameliorate A β 42-mediated neurodegeneration in Alzheimer's model. **Cell Death & Disease**, 18 Jan 2024, 15(1):71

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Liu WL, Wang Y, Chen YX, Chen BY, Lin AY, Dai ST, **Chen CH**, Liao LD An IoT-based smart mosquito trap system embedded with real-time mosquito image processing by neural networks for mosquito surveillance. **Front Bioeng Biotechnol**. 2023 Jan 20;11:1100968. doi: 10.3389/fbioe.2023.1100968.

Cheng L, Liu WL, Su MP, Huang SC, Wang JR, **Chen CH***. Prohemocytes are the main cells infected by dengue virus in *Aedes aegypti* and *Aedes albopictus*. **Parasit Vectors**. 2022 Apr 21;15(1):137.

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Cheng L, Liu WL, Tsou YT, Li JC, Chien CH, Su MP, Liu KL, Huang YL, Wu SC, Tsai JJ, Hsieh SL, **Chen CH**. Transgenic Expression of Human C-Type Lectin Protein CLEC18A Reduces Dengue Virus Type 2 Infectivity in *Aedes aegypti*. **Front Immunol**. 2021 Mar 9;12:640367. doi: 10.3389/fimmu.2021.640367. PMID: 33767710; PMCID: PMC7985527.

Li HH, Li JC, Su MP, Liu KL, **Chen CH**. Generating mutant *Aedes aegypti* mosquitoes using the CRISPR/Cas9 system. **STAR Protoc**. 2021 Apr 8;2(2):100432. doi: 10.1016/j.xpro.2021.100432. PMID: 33899015; PMCID: PMC8058568.

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Lee TT, Chen PL, Su MP, Li JC, Chang YW, Liu RW, Juan HF, Yang JM, Chan SP, Tsai YC, von Stockum S, Ziviani E, Kamikouchi A, Wang HD, **Chen CH**. Loss of Fis1 impairs proteostasis during skeletal muscle aging in *Drosophila*. **Aging Cell**. 2021 Jun;20(6):e13379. doi: 10.1111/ace1.13379. Epub 2021 Jun 1. PMID: 34061429; PMCID: PMC8208795.

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Chen PL, Huang KT, Cheng CY, Li JC, Chan HY, Lin TY, Su MP, Yang WY, Chang HC, Wang HD, **Chen CH**. Vesicular transport mediates the uptake of cytoplasmic proteins into mitochondria in *Drosophila melanogaster*. **Nat Commun**. 2020 May 22;11(1):2592. doi: 10.1038/s41467-020-16335-0.

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Lai YW, Chu SY, Li JC, Chen PL, **Chen CH, Yu HH**. Visualization of Endogenous Type I TGF- β Receptor Baboon in the *Drosophila* Brain. **Sci Rep**. 2020 Mar 20;10(1):5132. doi: 10.1038/s41598-020-61950-y.