


HUNG-YUAN (PETER) CHI (冀宏源)

POSITION/AFFILIATIONS DISTINGUISHED PROFESSOR, INSTITUTE OF BIOCHEMICAL SCIENCES, NATIONAL TAIWAN UNIVERSITY	CONTACT INFORMATION No.1, Sec. 4, Roosevelt Rd., Taipei, Taiwan (R.O.C.) TEL: +886-2-33664066 FAX: +886-2-23635038 E-mail: peterhchi@ntu.edu.tw		
EDUCATION			
INSTITUTION AND LOCATION	DEGREE	YEAR(S)	FIELD OF STUDY
National Taiwan Ocean University, Taiwan	B.S.	1996	Food Science
National Taiwan University, Taiwan	M.S.	1998	Biochemistry
Yale University, USA	Ph.D.	2008	Biophysics & Biochemistry

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

- 2021~present Distinguished Professor, Institute of Biochemical Sciences, National Taiwan University, Taiwan
- 2020~present Joint Appointment Research Fellow, Institute of Biological Chemistry, Academia Sinica, Taiwan
- 2019~2021 Professor, Institute of Biochemical Sciences, National Taiwan University, Taiwan
- 2014~2019 Associate Professor, Institute of Biochemical Sciences, National Taiwan University, Taiwan
- 2010~2014 Assistant Professor, Institute of Biochemical Sciences, National Taiwan University, Taiwan
- 2008~2010 Postdoctoral Fellow, Mammalian Cell Biology and Development Laboratory, The Rockefeller University, USA

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

- Lee, C.Y., Cheng, W.F., Lin, P.H., Chen, Y.L., Huang, S.H., Lei, K.H., Chang, K.Y., Ko, M.Y., and **Chi, P.*** (2023) An activity-based functional test for identifying homologous recombination deficiencies across cancer types in real-time. *Cell Reports Medicine*, 4(11):101247.
- Guh, C.L., Lei, K.H., Chen, Y.A., Jiang, Y.Z., Chang, H.Y., Liaw, H., Li, H.W., Yen, H.Y., and **Chi, P.*** (2023) RAD51 paralogs synergize with RAD51 to protect reversed forks from cellular nucleases. *Nucleic Acids Res.*, 51(21):11717-11731.
- Lei, K.H., Yang, H.L., Chang, H.Y., Yeh, H.Y., Nguyen, D.D., Lee, T.Y., Lyu, X., Chastain, M., Chai, W., Li, H.W.*, and **Chi, P.*** (2021) Crosstalk between CST and RPA regulates RAD51 activity during replication stress. *Nature Communications*, 12(1):6412.
- Luo, S.C., Yeh, H.Y., Lan, W.H., Wu, Y.M., Yang, C.H., Chang, H.Y., Su, G.C., Lee, C.Y., Wu, W.J., Li, H.W., Ho, M.C.*, **Chi, P.***, and Tsai, M.D.* (2021) Identification of fidelity-governing factors in human recombinases DMC1 and RAD51 from cryo-EM structures. *Nature Communications*, 12(1):115.
- Lyu, X., Lei, K.H., Biak Sang, P., Shiva, O., Chastain, M., **Chi, P.***, and Chai, W.* (2021) Human CST complex protects stalled replication forks by directly blocking MRE11 degradation of nascent-strand DNA. *EMBO J.*, 40(2):e103654.
- Lee, C.Y., Su, G.C., Huang, W.Y., Ko, M.Y., Yeh, H.Y., Chang, G.D., Lin, S.J., and **Chi, P.*** (2019) Promotion of homology-directed DNA repair by polyamines, *Nature Communications*, 10(1):65.