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現任:

國家衛生研究院癌症研究所名譽研究員(2017/09 起)

學歷:

Ph.D.,Columbia University, USA (1976)

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經歷:

自 2016/05 至 2017/08	國家衛生研究院學術發展處處長
自 2011/03 至 2017/08	國家衛生研究院生醫資源中心召集人
自 2009/08 至 2017/08	國立清華大學統計學研究所兼任教授
自 2007/05 至 2011/02	國家衛生研究院生醫資源中心主任
自 2006/01 至 2017/08	國家衛生研究院生物統計與生物資訊研究組合聘研究員
自 2006/01 至 2017/08	國家衛生研究院癌症研究所研究員
自 2002/01 至 2017/08	國立中央大學數學研究所兼任教授
自 2000/09 至 2007/04	國家衛生研究院研究資源處處長
自 2000/09 至 2005/12	國家衛生研究院院長實驗室研究員
自 1989/09 至 1990/05	美國哥倫比亞大學統計系訪問教授
自 1983/08 至 1985/07	國立中央大學數學系及研究所系主任/所長
自 1982/08 至 2002/02	國立中央大學數學系及研究所教授
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Publications for the past 5 years

1. Wang JH, Pan CH, Chang IS, Hsiung CA. (2019). Penalized full likelihood approach to variable selection for Cox's regression model under nested case-control sampling. *Lifetime Data Analysis*. <https://doi.org/10.1007/s10985-019-09475-z>.
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3. Chien LH, Chen CH, Chen TY, Chang GC, Tsai YH, Hsiao CF, Chen KY, Su WC, Wang WC, Huang MS, Chen YM, Chen CY, Liang SK, Chen CY, Wang CL, Lee MH, Chung RH, Tsai FY, Hu JW, Katki HA, Chatterjee N, Chanock SJ, Rothman N, Lan Q, Yang PC, Chen CJ, Chang IS, Hsiung CA. (2020). Predicting lung cancer occurrence in never-smoking females in Asia: TNSF-SQ, a prediction model. *Cancer Epidemiology, Biomarkers and Prevention*. 29 (2): 452-459;
4. Kuo SC, Shih SM, Lauderdale TLY, Chang IS, Chen YC, Hsiung CA, Chang SC. (2020). Policy-driven revolution of prescription record in outpatient use of fluoroquinolones. *Journal of Microbiology, Immunology and Infection*. 53(1):133-140.
5. Wong JYY, Zhang H, Hsiung CA, Shiraishi K, Yu K, Matsuo K, Wong MP, Hong YC, Wang J, Seow WJ, Wang Z, Song M, Kim HN, Chang IS, Chatterjee N, Hu W, Wu C, Mitsudomi T, Zheng W, Kim JH, Seow A, Caporaso NE, Shin MH, Chung LP, An SJ, Wang P, Yang Y, Zheng H, Yatabe Y, Zhang XC, Kim YT, Cai Q, Yin Z, Kim YC, Bassig BA, Chang J, Ho JCM, Ji BT, Daigo Y, Ito H, Momozawa Y, Ashikawa K, Kamatani Y, Honda T, Hosgood HD, Sakamoto H, Kunitoh H, Tsuta K, Watanabe SI, Kubo M, Miyagi Y, Nakayama H, Matsumoto S, Tsuboi M, Goto K, Shi J, Song L, Hua X, Takahashi A, Goto A, Minamiya Y, Shimizu K, Tanaka K, Wei F, Matsuda F, Su J, Kim YH, Oh IJ, Song F, Su WC, Chen YM, Chang GC, Chen KY, Huang MS, Chien LH, Xiang YB, Park JY, Kweon SS, Chen CJ, Lee KM, Blechter B, Li H, Gao YT, Qian B, Lu D, Liu J, Jeon HS, Hsiao CF, Sung JS, Tsai YH, Jung YJ, Guo H, Hu Z, Wang WC, Chung CC, Burdett L, Yeager M, Hutchinson A, Berndt SI, Wu W ., et al. (2020). Tuberculosis infection and lung adenocarcinoma: Mendelian randomization and pathway analysis of genome-wide association study data from never-smoking Asian women. *Genomics*. 112(2):1223-1232.
6. Wang JH, Pan CH, Chang IS, Hsiung CA. (2020). Penalized full likelihood approach to variable selection for Cox's regression model under nested case-control sampling. *Lifetime Data Analysis*. 26(2):292-314.
7. Li XH, Li ZL, Zhou HF, Gaynor SM, Liu YW, Chen H, Sun R, Dey R, Arnett DK, Aslibekyan S, Ballantyne CM, Bielak LF, Blangero J, Boerwinkle E, Bowden DW, Broome JG, Conomos MP, Correa A, Cupples LA, Curran JE, Freedman BI, Guo XQ, Hindy G, Irvin MR, Kardia SLR, Kathiresan S, Khan AT, Kooperberg CL, Laurie CC, Liu XS, Mahaney MC, Manichaikul AW, Martin LW, Mathias RA, McGarvey ST, Mitchell BD, Montasser ME, Moore JE, Morrison AC, O'Connell JR, Palmer ND, Pampana A, Peralta JM, Peyser PA, Psaty BM, Redline S, Rice KM, Rich SS, Smith JA, Tiwari HK, Tsai MCY, Vasan RS, Wang FF, Weeks DE, Weng ZP, Wilson JG, Yanek LR, Abe N, Abe N, Abecasis GR, Aguet F, Albert C, Almasy L, Alonso A, Ament S, Anderson P, Anugu P, Applebaum-Bowden D, Ardlie K, Arking D, Arnett DK, Ashley-Koch A, Aslibekyan S, Assimes T, Auer P, Avramopoulos D, Barnard J, Barnes K, Barr RG, Barron-Casella E, Barwick L, Beaty T, Beck G, Becker D, Becker L, Beer R, BeitelshJGees A, Benjamin E, Benos T, Bezerra M, Bielak LF, Bis J, Blackwell T, Blangero J, Boerwinkle E, Bowden DW, Bowler R, Brody J, Broeckel U, Broome *et al.* (2020). Dynamic incorporation of multiple in silico functional annotations empowers rare variant association analysis of large whole-genome sequencing studies at scale. *Nature Genetics*. 52(9):969-983.
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10. Chung RH, Chiu YF, Wang WC, Hwu CM, Hung YJ, Lee IT, Chuang LM, Quertermous T, Rotter JI, Chen YDI, Chang IS, Hsiung CA. (2021). Multi-omics analysis identifies CpGs near G6PC2 mediating the effects of genetic variants on fasting glucose. *Diabetologia*. 64(7):1613-1625.
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12. Dai HJ, Yang YH, Wang TH, Lin YJ, Lu PJ, Wu CY, Chang YC, Lee YQ, Zhang YC, Hsu YC, Wu HH, Ke CR, Huang CJ, Wang YT, Yang SF, Hsiao KC, Liu KJ, Chen LT, Chang IS, Chao KSC, Liu TW. (2021). Cancer registry coding via hybrid neural symbolic systems in the cross-hospital setting. *IEEE Access*. 9:112081-112096.
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14. Lu TP, Chattopadhyay A, Lu KC, Chuang JY, Yeh SS, Chang IS, Chen CJ, Wu IC, Hsu CC, Chen TY, Tseng WT, Hsiung CA, Juang JJ. (2021). Develop and apply electrocardiography-based risk score to identify community-based elderly individuals at high-risk of mortality. *Frontiers in Cardiovascular Medicine*. 8:Article number 738061.
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