

Curriculum Vitae

Hsuan-Yu Chen (陳璿宇)



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<https://www.webofscience.com/wos/author/record/AAE-8428-2019>

Research Interest: Data Science in Precision Medicine

Education

Ph.D.: 2003-2007

Graduate Institute of Epidemiology, National Taiwan University

Employment

2023- Present	Research Fellow Institute of Statistical Science, Academia Sinica
2016- 2023	Associate Research Fellow Institute of Statistical Science, Academia Sinica
2022-Present	Research Fellow (Joint appointment) Center for Cancer Research, Kaohsiung Medical University
2022-Present	Research Fellow (Joint appointment) Department of Medical Research, Kaohsiung Medical University Hospital
2019-Present	Associate Professor (Joint appointment) Ph.D. Program in Microbial Genomics (with Academia Sinica), National Chung Hsing University
2016-Present	Associate Professor (Joint appointment) Ph.D. Program for Translation Medicine (with Academia Sinica), National Taiwan University, Taipei Medical University, Tzu Chi University
2016-Present	Adjunct Associate Professor Genome and Systems Biology Degree Program (with Academia Sinica), National Taiwan University
2018-2019	Chief Scientist Acer Inc.
2008-2016	Assistant Research Fellow Institute of Statistical Science, Academia Sinica
2007-2008	Post-Doctoral Fellow Institute of Statistical Science, Academia Sinica

Honor and Awards

1. The 17th Wang Ming-Ning Memorial Foundation (王民寧紀念基金會) award for outstanding Ph.D. dissertation (優秀博士論文獎), 2007
2. Distinguished Contribution Award in Technology Transfer, National Science Council, Taiwan, 2008
3. Significant Research Achievements of Academia Sinica, 2007 (A Five-Gene Signature and Clinical Outcome in Non-Small-Cell Lung Cancer)
4. Significant Research Achievements of Academia Sinica, 2008 (MicroRNA Signature Predicts Survival and Relapse in Lung Cancer)
5. Significant Research Achievements of Academia Sinica, 2012 (Pretreatment Epidermal Growth Factor Receptor (EGFR) T790M Mutation Predicts Shorter EGFR Tyrosine Kinase Inhibitor Response Duration in Patients with Non-small-cell Lung Cancer)
6. Significant Research Achievements of Academia Sinica, 2013 (Genome-wide Analysis of Three-way Interplay among Gene Expression, Cancer Cell Invasion and Anti-cancer Compound Sensitivity)
7. Significant Research Achievements of Academia Sinica, 2015 (R331W Missense Mutation of Oncogene YAP1 Is a Germline Risk Allele for Lung Adenocarcinoma With Medical Actionability)
8. Significant Research Achievements of Academia Sinica, 2020 (Proteogenomics of Non-smoking Lung Cancer in East Asia Delineates Molecular Signatures of Pathogenesis and Progression)

Other Academic Activities

2022-Present	President Taiwan Society of Precision Health and Toxicogenomics
2021-2021	Secretary- general The 26 th Taiwan Joint Cancer Conference
2021-Present	Deputy secretary- general Taiwan Society for Biopreservation and Biobanking
2017-Present	Secretary- general Taiwan Genomics and Genetics Society
2014-2017	Deputy secretary- general Taiwan Genomics and Genetics Society
2017-Present	Member of recruitment and academic committees Ph.D. Program for Translation Medicine, Academia Sinica)

Editorial Service

2015-Present	Editorial Board Scientific Reports
2015-Present	Editorial Board Frontiers in Genetics
2015-Present	Editorial Board

2020-Present PLOS One
Editorial Board
Frontiers in Oncology

Reviewer for Awards, Grant, Institutes

2023-Present Reviewer
Dr. Tung Ta-Cheng's Basic Cancer Research Award, Taiwan
Oncology Society

2009-Present Reviewer
National Science Council/ Ministry of Science and Technology,
Taiwan

2016-Present Member of Scientific Review Committee (Public health and cancer)
Extramural Research Grants, National Health Research Institutes,
Taiwan

2021-2021 Member of Scientific Review Committee of National Institute of
Cancer Research
National Health Research Institutes, Taiwan

Referee of Journals

Journal of Clinical Oncology, Scientific Reports, PLoS ONE, BMC Genomics, BMC Medical Genomics, BMC Bioinformatics, Complementary Therapies in Medicine, Cancer Medicine, Current Alzheimer Research, Diagnostics, Discovery Oncology, Future Oncology, Frontier Genetics, Frontiers in Statistical Genetics and Methodology, Frontier Oncology, International Journal of Gerontology, International Journal of Oncology, Journal of Formosan Medical Association, Journal of Affective Disorders, Journal of Biomedical Science, Oncogene, Oncology Letter, World Journal of Surgical Oncology, American Journal of Respiratory and Critical Care Medicine

Patent

1. Yeh-Tze Chou, Harn-Jing Terng, **Hsuan-Yu Chen**, Sung-Liang Yu, Jeremy J.W. Chen, Pan-Chyr Yang. Metastasis-associated gene profiling for identification of tumor tissue, subtyping, and prediction of prognosis of patients. US patent (Patent No.: 7955800 Issue date: 06/07/2011)
2. Jian-Wei Chen, Sung-Liang Yu, **Hsuan-Yu Chen**, Gee-Chen Chang, Chih-Yi Chen, and Pan-Chyr Yang. Predicting post-treatment survival in cancer patients with micromas. US patent (Patent No.: 7745134 Issue date: 06/29/2010)
3. Sung-Liang Yu, Pan-Chyr Yang, Shinsheng Yuan, Gee-Chen Chang, **Hsuan-Yu Chen**, Ker-Chau Li. Method for Predicting Response or Prognosis of Lung Adenocarcinoma with EGFR-activating Mutations. US patent pending (US20140242580 A1)
4. Ker-Chau Li, Bing-Ching Ho, Sung-Liang Yu, Gee-Chen Chang, **Hsuan-Yu Chen**, and Pan-Chyr Yang. Method or kit for determining lung cancer development. US patent (Patent No.: 10155993 B2; Issue date: 12/18/2018)

5. 李克昭、何炳慶、俞松良、張基晟、**陳璿宇**、楊泮池; 用以偵測肺癌發生的方法及套組 / METHOD OR KIT FOR DETERMINING LUNG CANCER DEVELOPMENT; 台灣專利 (證號: I607091; 核准日期: 2017 年 12 月 1 日)

Technology Transfer

1. Analytical methods for multi-omics data, BKY health co. (2020)
2. Germline risk model for lung cancer, Googene Inc. (2022)

Publications (H-Index: 35)

Selected Publications

	Title and authors	Impact factor (ranking)	
		Published year	Current year
1	Wen-Jui Wu, Sheng-Hsiung Yang, Hsin-Pei Chung, Chia-Te Yen, Yen-Ting Chen, Wei-Chin Chang, Jian Su, <u>Hsuan-Yu Chen*</u> , 2022, “EGFR Q787Q Polymorphism Is a Germline Variant and a Prognostic Factor for Lung Cancer Treated With TKIs”, <i>Front Oncol.</i> 12:816801 Corresponding author	6.24 (62/242, 25.4%)	5.74 (78/245, 31.6%)
2	Chia-Te Yen, Wen-Jui Wu, Yen-Ting Chen, Wei-Chin Chang, Sheng-Hsiung Yang, Sheng-Yeh Shen, Jian Su, <u>Hsuan-Yu Chen*</u> , 2021, “Surgical resection of brain metastases prolongs overall survival in non-small-cell lung cancer”, <i>Am J Cancer Res.</i> 11: 6160-6172. Corresponding author	6.17 (64/242, 26.2%)	5.94 (71/245, 28.8%)
3	Chang, Y. H., Yu, C. H., Jou, S. T., Lin, C. Y., Lin, K. H., Lu, M. Y., Wu, K. H., Chang, H. H., Lin, D. T., Lin, S. W., <u>Chen, H. Y.*</u> , Yang, Y. L., 2021, “Targeted sequencing to identify genetic alterations and prognostic markers in pediatric T-cell acute lymphoblastic leukemia”, <i>Sci Rep.</i> 12, 769 Corresponding author	4.38 (17/72, 23.6%)	5.00 (19/74, 25.7%)
4	Yi-Ju Chen, Theodoros I. Roumeliotis, Ya-Hsuan Chang, ..., <u>Hsuan-Yu Chen*</u> , Pan-Chyr Yang, Yu-Ju Chen, 2020, “Proteogenomics of Non-smoking Lung Cancer in East Asia Delineates Molecular Signatures of Pathogenesis and Progression”, <i>Cell</i> , 182, 226-244. Corresponding author	38.64 (1/297, 0.3%)	66.85 (2/297, 0.7%)
5	Poyin Huang, Yuan-Han Yang, Ya-Hsuan Chang, Shu-Ling Chang, Mei-Chuan Chou, Chiou-Lian Lai, Ching-Kuan Liu, <u>Hsuan-Yu Chen*</u> , 2020, “Association of early-onset Alzheimer’s disease with germline-generated high affinity self-antigen load”, <i>Translational Psychiatry</i> , 10, 146. Corresponding author	5.28 (12/155, 13.2%)	7.99 (24/155, 15.2%)
6	Raghav L, Chang Y-H, Hsu Y-C, ..., Chang G-C, <u>Chen H-Y*</u> 2020, “Landscape of Mitochondria Genome and Clinical Outcomes in Stage 1 Lung Adenocarcinoma”, <i>Cancers</i> , 12, 755. Corresponding author	6.13 (37/244, 15.2%)	6.58 (60/245, 24.5%)

7	Yu C-H, Chang W-T, Jou S-T, Lin T-K, Chang Y-H, Lin C-Y, Lin K-H, Lu M-Y, Chen S-H, Wu K-H, Wang S-C, Chang H-H, Su Y-N, Hung C-C, Lin D-T, <u>Chen H-Y*</u> , Yang Y-LI*, 2020, “TP53 alterations in relapsed childhood acute lymphoblastic leukemia”, <i>Cancer Science</i> , 111, 229-38. Corresponding author	4.97 (65/244, 26.6%)	6.52 (62/245, 25.3%)
8	Kuo T-C, Huang K-Y, Yang S-C, Wu S, Chung W-C, Chang Y-L, Hong T-M, Wang S-P, <u>Chen H-Y*</u> , Hsiao T-H, Yang P-C, 2020, “Monocarboxylate Transporter 4 Is a Therapeutic Target in Non-small Cell Lung Cancer with Aerobic Glycolysis Preference”, <i>Molecular Therapy - Oncolytics</i> , 18:189-201. Corresponding author	4.12 (46/139, 33.1%)	6.31 (39/139, 28.1%)
9	Yi-Chiung Hsu, Ya-Hsuan Chang, Gee-Chen Chang, Bing-Ching Ho, Shin-Sheng Yuan, Yu-Cheng Li, Jhih-Wun Zeng, Sung-Liang Yu, Ker-Chau Li, Pan-Chyr Yang, and <u>Hsuan-Yu Chen*</u> , 2019, “Tumor mutation burden and recurrent tumors in hereditary lung cancer”, <i>Cancer Medicine</i> , 8, 2179-2187. Corresponding author	3.36 (111/244, 45.5%)	4.71 (106/245, 43.3%)
10	Huang P, Chen CS, Yang YH, Chou MC, Chang YH, Lai CL, <u>Chen HY*</u> , Liu CK, 2019, “REST rs3796529 Genotype and Rate of Functional Deterioration in Alzheimer’s Disease.”, <i>Ageing and Disease</i> , 10, 94-101. Corresponding author	4.23 (12/53, 22.6%)	9.97 (5/54, 9.3%)
11	Huang P, Hsieh SW, Chang YH, Hour AL, <u>Chen HY*</u> , Liu CK, 2017, “Differences in the frequency of Alzheimer's disease-associated genomic variations in populations of different races”, <i>Geriatrics & Gerontology International</i> , 17, 2184–2193. Corresponding author	2.66 (29/53, 54.7%)	3.39 (34/54, 63.0%)
12	Chia-Hsin Liu, Bing-Ching Ho, Chun-Ling Chen, Ya-Hsuan Chang, Yi-Chiung Hsu, Yu-Cheng Li, Shin-Sheng Yuan, Yi-Huan Huang, Chi-Sheng Chang, Ker-Chau Li, and <u>Hsuan-Yu Chen*</u> , 2016, “ePIANNO: ePIgenomics ANNOtation tool”, <i>PLoS One</i> . 11, e0148321. Corresponding author	3.06 (11/63, 17.5%)	3.75 (29/74, 39.2%)
13	<u>Chen HY</u> , Yu SL, Ho BC, ..., Chang GC, Yang PC, Li KC, 2015, “R331W Missense Mutation of Oncogene YAP1 Is a Germline Risk Allele for Lung Adenocarcinoma With Medical Actionability.”, <i>Journal of Clinical Oncology</i> , 33, 2303-2310.	18.44 (6/211, 2.8%)	50.74 (6/245, 2.4%)
14	Chang YH, Yang YL, Chen CM, <u>Chen HY*</u> , 2015, “Apoptosis pathway signature for prediction of treatment response and clinical outcome in childhood high risk B-Precursor acute lymphoblastic leukemia.” <i>American Journal of Cancer Research</i> , 5, 1844-53. Corresponding author	4.17 (52/211, 24.6%)	5.94 (71/245, 28.8%)
15	Chang YH, Chen CM, <u>Chen HY*</u> , Yang PC, 2015, “Pathway-based gene signatures predicting clinical outcome of lung adenocarcinoma.” <i>Scientific Reports</i> , 5, 10979. Corresponding author	5.58 (5/57, 8.8%)	5.00 (19/74, 25.7%)

16	<u>Chen HY</u> , Yu SL, Chen CH, Chang GC, Chen CY, Yuan A, Cheng CL, Wang CH, Terng HJ, Kao SF, Chan WK, Li HN, Liu CC, Singh S, Chen WJ, Chen JJ, Yang PC, 2007, "A five-gene signature and clinical outcome in non-small-cell lung cancer.", <i>New England Journal of Medicine</i> , 356, 11-20. (IF: 91.2, 0.6%)	51.3 (1/103, 1.0%)	176.1 (2/172, 1.2%)
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Other Publications

Title and authors	
1	Yang, C.-Y., Lin, Y.-T., Lin, L.-J., Chang, Y.-H., <u>Chen, H.-Y.</u> , Wang, Y.-P., Shih, J.-Y., Yu, C.-J., Yang, P.-C., 2023, "Stage Shift Improves Lung Cancer Survival: Real-World Evidence.", <i>Journal of Thoracic Oncology</i> , 18(1), 47-56.
2	Yu CH, Wu G, Chang CC, Jou ST, Lu MY, Lin KH, Chen SH, Wu KH, Huang FL, Cheng CN, Chang HH, Hedges D, Wang JL, Yen HJ, Li MJ, Chou SW, Hung CT, Lin ZS, Lin CY, <u>Chen HY</u> , Ni YL, Hsu YC, Lin DT, Lin SW, Yang JJ, Pui CH, Yu SL, Yang YL., 2022, "Sequential Approach to Improve the Molecular Classification of Childhood Acute Lymphoblastic Leukemia.", <i>J Mol Diagn.</i> , 24(11):1195-1206.
3	Mei-Hsuan Lee, Ping-Feng Wu, Tzu-I Chen, Chi Chan, Hsi-Hsun Lin, Yi-Hsiang Huang, <u>Hsuan-Yu Chen</u> , Yi-Tsung Lin, Chien-Jen Chen, 2022, "Tenofovir use is associated with a decreased risk of hepatocellular carcinoma among men with HIV irrespective of coinfection status.", <i>JHEP Reports</i> , 100634.
4	Lai IC, Liao CH, Hu MH, Chang CL, Lai GM, Chiou TJ, Hsia S, Tsai WL, Lin YY, Chuang SE, Whang-Peng J, <u>Chen HY</u> , Yao CJ., 2022, "Selenium Yeast and Fish Oil Combination Diminishes Cancer Stem Cell Traits and Reverses Cisplatin Resistance in A549 Sphere Cells.", <i>Nutrients</i> , 14(15):3232.
5	Chang WH, Chen YJ, Hsiao YJ, Chiang CC, Wang CY, Chang YL, Hong QS, Lin CY, Lin SU, Chang GC, <u>Chen HY</u> , Chen YJ, Chen CH, Yang PC, Yu SL., 2022, "Reduced symmetric dimethylation stabilizes vimentin and promotes metastasis in MTAP-deficient lung cancer.", <i>EMBO Rep.</i> , 23(8):e54265.
6	Hsu YC, Huang SM, Chang LC, Chen YM, Chang YH, Lin JW, Lin CC, Chen CW, <u>Chen HY</u> , Chiu HM, Yu SL., 2022, "Screening of early-staged colorectal neoplasia by clonal hematopoiesis-based liquid biopsy and machine-learning.", <i>Am J Cancer Res.</i> , 12(3):1088-1101.
7	Lin FC, Chen CY, Lin CW, Wu MT, <u>Chen HY</u> , Huang P., 2022, "Air Pollution Is Associated with Cognitive Deterioration of Alzheimer's Disease", <i>Gerontology</i> , 68, 53-61.
8	Hsin-Yi Huang, Chih-Hsiang Yu, Yung-Li Yang, Ya-Hsuan Chang, Shiann-Tarng Jou, Kai-Hsin Lin, Meng-Yao Lu, Hsiu-Hao Chang, Shu-Wei Chou, Yu-Ling Ni, Dong-Tsamn Lin, <u>Hsuan-Yu Chen</u> , Steven Shinn-Fornng Peng, Meng-Fai Kuo, Shih-Hung Yang, 2022, "Integration of immunohistochemistry, RNA sequencing, and multiplex ligation-dependent probe amplification for molecular classification of pediatric medulloblastoma", <i>Pediatr Blood Cancer</i> , 00e29569.
9	Chang CH, Shih AC, Chang YH, <u>Chen HY</u> , Chao YT, Hsu YC., 2021, "The Prognostic Significance of PD1 and PDL1 Gene Expression in Lung Cancer: A Meta-Analysis", <i>Front Oncol.</i> , 11, 759497.

10	Hsiao, Y. J., Chang, W. H., <u>Chen, H. Y.</u> , Hsu, Y. C., Chiu, S. C., Chiang, C. C., Chang, G. C., Chen, Y. J., Wang, C. Y., Chen, Y. M., Lin, C. Y., Chen, Y. J., Yang, P. C., Chen, J., Yu, S. L., 2021, “MITF functions as a tumor suppressor in non-small cell lung cancer beyond the canonically oncogenic role”, <i>Aging</i> , 13, 646–674.
11	Wang, C. C., Lin, S. Y., Huang, Y. H., Hsieh, C. H., Chang, H. H., <u>Chen, H. Y.</u> , Weng, C. W., Chang, G. C., Yu, S. L., Chen, J. J., 2021, “Paired-like homeodomain 2B contributes to tumour progression and anti-autophagy in human lung cancer”, <i>American Journal of Cancer Research</i> , 11, 4900–4918.
12	Yang YL, Jaing TH, Chen SH, Liu HC, Hung IJ, Lin DT, Yang CP, Peng CT, Lin KH, Hsiao CC, Jou ST, Chen JS, Lin MT, Wang SC, Chang TK, Huang FL, Cheng CN, Wu KH, Sheen JM, Chen SH, Lu MY, Hung GY, Yen HJ, Hsieh YL, Wang JL, Chang YH, Chang HH, Yeh TC, Weng TF, Hou JY, Chen BW, Chen RL, Wang LY, Ho WL, Chen YC, Cheng SN, Chao YH, Yang SH, Huang TH, Chou SW, Lin CY, <u>Chen HY</u> , Chao YY, Liang DC, Chang TT, 2021, “Treatment outcomes of pediatric acute myeloid leukemia: a retrospective analysis from 1996 to 2019 in Taiwan”, <i>Sci Rep.</i> , 11, 5893
13	Hsu HH, Liu YH, <u>Chen HY</u> , Chen PH, Chen KC, Hsieh MJ, Lin MW, Kuo SW, Huang PM, Chao YK, Wu CF, Wu CY, Chiu CH, Chen WH, Wen CT, Liu CY, Wu YC, Chen JS., 2021, “Vicryl Mesh Coverage Reduced Recurrence After Bullectomy for Primary Spontaneous Pneumothorax”, <i>Ann Thorac Surg.</i> , 112, 1609-1615.
14	Lee, P. J., Ho, C. C., Ho, H., Chen, W. J., Lin, C. H., Lai, Y. H., Juan, Y. C., Chu, W. C., Lee, J. H., Su, S. F., <u>Chen, H. Y.</u> , Chen, J., Chang, G. C., Li, K. C., Yang, P. C., & Chen, H. W., 2021, “Tumor microenvironment-based screening repurposes drugs targeting cancer stem cells and cancer-associated fibroblasts”, <i>Theranostics</i> , 11, 9667–9686.
15	Hsin-Jung Li, Feng-Yi Ke, Chia-Ching Lin, Mei-Yi Lu, Yi-Huei Kuo, Yi-Ping Wang, Kang-Hao Liang, Shin-Chang Lin, Ya-Hsuan Chang, <u>Hsuan-Yu Chen</u> , Pan-Chyr Yang and Han-Chung Wu, 2021, “ENO1 Promotes Lung Cancer Metastasis via HGFR and WNT Signaling–Driven Epithelial-to-Mesenchymal Transition”, <i>Cancer Res.</i> , 81, 4094-4109
16	Wang D-S, Yu C-H, Lin C-Y, Chang Y-H, Lin K-H, Lin D-T, Jou S-T, Lu M-Y, Chang H-H, Lin S-W, <u>Chen H-Y</u> , Yang Y-LI, 2021, “Childhood acute lymphoblastic leukemia mercaptopurine intolerance is associated with NUDT15 variants”, <i>Pediatric Research</i> , 89, pages217–222
17	Tu DG, <u>Chen HY</u> , Yao WJ, Hung YS, Chang YK, Chang CH, Wang YW., 2021, “Verification of the Efficacy of New Diagnostic Criteria for Retropharyngeal Nodes in a Cohort of Nasopharyngeal Carcinoma Patients”, <i>Int J Med Sci.</i> , 18, 3463-3469.
18	Lu CS, Lin CW, Chang YH, <u>Chen HY</u> , Chung WC, Lai WY, Ho CC, Wang TH, Chen CY, Yeh CL, Wu S, Wang SP, Yang PC., 2020, “Antimetabolite pemetrexed primes a favorable tumor microenvironment for immune checkpoint blockade therapy.”, <i>J Immunother Cancer</i> ,8(2): e001392.
19	Yu CH, Chang YH, Wang DS, Jou ST, Lin CY, Lin KH, Lu MY, Raghav L, Chang HH, Wu KH, Chou SW, Ni YL, Lin DT, Lin SW, <u>Chen HY</u> , Yang YL., 2020, “Determination of NUDT15 variants by targeted sequencing can identify compound heterozygosity in pediatric acute lymphoblastic leukemia patients.”, <i>Sci Rep.</i> , 10(1):14400.
20	Huang YH, Liao SF, Khor SS, Lin YJ, <u>Chen HY</u> , Chang YH, Huang YH, Lu SN, Lee HW, Ko WY, Huang C, Liu PC, Chen YJ, Wu PF, Chu HW, Wu PE, Tokunaga K, Shen CY, Lee MH., 2020, “Large-scale genome-wide association

	study identifies HLA class II variants associated with chronic HBV infection: a study from Taiwan Biobank.”, <i>Aliment Pharmacol Ther.</i> , 52(4):682-691.
21	Yu CH, Lin TK, Jou ST, Lin CY, Lin KH, Lu MY, Chen SH, Cheng CN, Wu KH, Wang SC, Chang HH, Li MJ, Ni YL, Su YN, Lin DT, <u>Chen HY</u> , Harrison CJ, Hung CC, Lin SW, Yang YL., 2020, “MLPA and DNA index improve the molecular diagnosis of childhood B-cell acute lymphoblastic leukemia.”, <i>Sci Rep</i> , 10, 11501.
22	Huang C, Chen SP, Huang YH, Chen HY, Wang YF, Lee MH, Wang SJ., 2020, “HLA class I alleles are associated with clinic-based migraine and increased risks of chronic migraine and medication overuse.”, <i>Cephalalgia</i> , 40(5):493-502.
23	Wang YW, Ho SY, Lee SW, Chen CC, Litsu S, Huang WT, Yang CC, Lin CH, <u>Chen HY</u> , Lin LC., 2020, “Induction Chemotherapy Improved Long Term Outcomes in Stage IV Locoregional Advanced Nasopharyngeal Carcinoma.”, <i>Int J Med Sci.</i> , 17(5):568-576.
24	Wu JE, Wu YY, Tung CH, Tsai YT, <u>Chen HY</u> , Chen YL, Hong TM., 2020, “DNA methylation maintains the CLDN1-EPHB6-SLUG axis to enhance chemotherapeutic efficacy and inhibit lung cancer progression.”, <i>Theranostics</i> , 10(19):8903-8923.
25	Huang Y-H, Khor S-S, Zheng X, <u>Chen H-Y</u> , Chang Y-H, Chu H-W, Wu P-E, Lin Y-J, Liao S-F, Shen C-Y, Tokunaga K, Lee M-H, 2020, “A high-resolution HLA imputation system for the Taiwanese population: a study of the Taiwan Biobank”, <i>The Pharmacogenomics Journal</i> , 20:695-704.
26	Lee JH, <u>Chen HY</u> , Hsu FM, Chen JS, Liao WY, Shih JY, Yu CJ, Chen KY, Tsai TH, Yang JC., 2019, “Cranial Irradiation for Patients with Epidermal Growth Factor Receptor (EGFR) Mutant Lung Cancer Who Have Brain Metastases in the Era of a New Generation of EGFR Inhibitors.”, <i>Oncologist</i> , 24(12):e1417-e1425.
27	Chao CT, Yuan TH, Yeh HY, <u>Chen HY</u> , Huang JW, Chen HW., 2019, “Risk Factors Associated With Altered Circulating Micro RNA -125b and Their Influences on Uremic Vascular Calcification Among Patients With End-Stage Renal Disease.”, <i>J Am Heart Assoc.</i> , 8(2):e010805.
28	Lin CA, Yu SL, <u>Chen HY</u> , Chen HW, Lin SU, Chang CC, Yu CJ, Yang PC, Ho CC, 2019, “EGFR-Mutant SCLC Exhibits Heterogeneous Phenotypes and Resistance to Common Antineoplastic Drugs.”, <i>Journal of Thoracic Oncology</i> , 14(3), 513-526.
29	Emura T, Matsui S, <u>Chen HY</u> , 2019, “compound.Cox: Univariate feature selection and compound covariate for predicting survival.”, <i>Computer methods and programs in biomedicine</i> , 168, 21-37.
30	Mei-Hsuan Lee, Yu-Han Huang, <u>Hsuan-Yu Chen</u> , Charles Seik-Soon Khor, Ya-Hsuan Chang, Yu-Ju Lin, Chin-Lan Jen, Sheng-Nan Lu, Hwai-I Yang, Nao Nishida, Masaya Sugiyama, Masashi Mizokami, Yong Yuan, Gibert L'Italien, Katsushi Tokunaga, Chien-Jen Chen, for the REVEAL-HCV cohort, 2018, “Human Leukocyte Antigen Variants and Risk of Hepatocellular Carcinoma Modified by HCV Genotypes: A Genome-wide Association Study” <i>Hepatology</i> , 67, 651-661.
31	Chia-Ying Hsu, Gee-Chen Chang, Yi-Ju Chen, Yi-Chiung Hsu, Yi-jing Hsiao, Kang-Yi Su, <u>Hsuan-Yu Chen</u> , Chien-Yu Lin, Jin-Shing Chen, Yu-Ju Chen, Qi-Sheng Hong, Wen-Hui Ku, Chih-Ying Wu, Bing-Ching Ho, Ching-Cheng Chiang, Pan-Chyr Yang and Sung-Liang Yu, 2018, “FAM198B is Associated with Prolonged Survival and Inhibits Metastasis in Lung Adenocarcinoma via Blockage of ERK-Mediated MMP-1 Expression” <i>Clin. Ca. Res.</i> , 24(4): 916-926

32	Chen PH, Bendris N, Hsiao YJ, Reis CR, Mettlen M, <u>Chen HY</u> , Yu SL, Schmid SL., 2017, “Crosstalk between CLCb/Dyn1-Mediated Adaptive Clathrin-Mediated Endocytosis and Epidermal Growth Factor Receptor Signaling Increases Metastasis.”, <i>Dev Cell</i> , (3):278-288.e5.
33	Siu MK, Chen WY, Tsai HY, <u>Chen HY</u> , Yin JJ, Chen CL, Tsai YC, Liu YN., 2017, “TCF7 is suppressed by the androgen receptor via microRNA-1-mediated downregulation and is involved in the development of resistance to androgen deprivation in prostate cancer.” , <i>Prostate Cancer Prostatic Dis.</i> , 20(2):172-178.
34	Hao-Wei Cheng, Yi-Fang Chen, Jau-Min Wong, Chia-Wei Weng, <u>Hsuan-Yu Chen</u> , Sung-Liang Yu, Huei-Wen Chen, Ang Yuan, Jeremy J.W. Chen, 2017, “Cancer cells increase endothelial cell tube formation and survival by activating the PI3K/Akt signalling pathway” <i>Journal of Experimental & Clinical Cancer Research</i> , 36:27
35	Lin P-Y, <u>Chen H-Y</u> , Yu S-L, Yang P-C. 2017, “Turning Diversity Toward Precision” <i>JNCI: Journal of the National Cancer Institute</i> , 109(1):1-2.
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