CURRICULUM VITAE

Personal Information

Title	Dr.
Name	Yanqi Huang
Degree	MD, PhD
Country	China
Affiliation	Guangdong Provincial People's Hospital (Guangdong Academy of Medical Sciences), Southern Medical University
Department	Department of Radiology

Educational Background

2019.09-2022.06 Southern Medical University PhD
2013.09-2016.06 Southern Medical University MMed
2008.09-2013.06 Sun Yet-Sen University MD

Professional Career

2025.01-present **Associate Chief Radiologist/Associate Professor** Department of Radiology, Guangdong Provincial People's Hospital
2024.05-2025.05 **Visiting Researcher** Clinical Data Science, Maastricht University, Netherlands
2019.12-2024.12 **Attending radiologist** Department of Radiology, Guangdong Provincial People's Hospital
2016.07-2019.07 **Residency** Department of Radiology, Guangdong Provincial People's Hospital, China

Research Field

Research Focus: My research is dedicated to translating advanced imaging analysis into actionable clinical intelligence, with a focus on gastrointestinal cancers.
Core Research Themes:
1. Image-driven, AI-powered Risk Stratification in GI Oncology
2. Intelligent Clinical Decision Support Systems

Main Scientific Publications

1. **Huang YQ**[#], Chen XB[#], Cui YF[#], Yang F, Huang SX, Li ZH, Ying YJ, Li SY, Li MH, Gao P, Wu ZQ, Wen G, Wang ZS, Wang HX, Hong MP, Diao WJ, Chen XY, Hou KQ, Zhang R, Hou J, Fang Z, Wang ZN, Mao Y, Wee L, Liu ZY. Enhanced risk stratification for stage II colorectal cancer using deep learning-based CT classifier and pathological markers to optimize adjuvant therapy decision. ***Ann Oncol***. 2025, 36(10): 1178-1189.
2. **Huang YQ**[#], Liang CH[#], He L[#], Tian J[#], Liang CS, Chen X, Ma ZL, Liu ZY[*]: Development and validation of a radiomics nomogram for preoperative prediction of lymph node metastasis in colorectal cancer. ***J Clin Oncol***. 2016, 34(18): 2157-64.
3. Chen X[#], **Huang Y**[#], Wee L, Zhao K, Mao Y, Li Z, Yao S, Li S, Liang Y, Huang X, Dekker A, Chen X[*], Liu Z[*]. Integrated analysis of radiomics, RNA, and clinicopathologic phenotype reveals biological basis of prognostic risk stratification in colorectal cancer. ***Sci Bull***. 2024, 69(23): 3666-3671.
4. **Huang Y**[#], Liu Z[#], He L, Chen X, Pan D, Ma Z, Liang C, Tian J, Liang C[*]: Radiomics signature: a potential biomarker for the prediction of disease-free survival in early-stage (I or II) non-small cell lung cancer. ***Radiology***. 2016, 281(3): 947-957.
5. Deng T[#], **Huang Y**[#], Han G[#], Shi Z, Lin J, Dou Q, Liu Z, Guo XJ, Philip Chen CL, Han C[*]. FedDBL: Communication and Data Efficient Federated Deep-Broad Learning for Histopathological Tissue Classification. ***IEEE Trans Cybern***. 2024, 54(12):7851-7864.
6. Hong M, Fan S, Xu Z, Fang Z, Ling K, Lai P, Han C, Chen Z, Hou J, Liang Y, Zhou C, Wang J, Chen X[*], **Huang Y**[*], Xu M[*]. MRI radiomics and biological correlations for predicting axillary lymph node burden in early-stage breast cancer. ***J Transl Med***. 2024, 22(1):826.
7. Zhao Ke[#]; Li Zhenhui[#]; Yao Su[#]; Wang Yingyi; Wu Xiaomei, Xu Zeyan; Wu Lin; **Huang Yanqi**[*]; Liang Changhong[*]; Liu Zaiyi[*]. Artificial intelligence quantified tumour-stroma ratio is an independent predictor for overall survival in resectable colorectal cancer. ***EBioMedicine***. 2020, 61:103054.
8. Xiaobo Chen[#], Lan He[#], Qingshu Li[#], Liu Liu, Suyun Li, Yuan Zhang, Zaiyi Liu, **Yanqi Huang**[*], Yun Mao[*], Xin Chen[*]. Non-invasive prediction of microsatellite instability in colorectal cancer by a genetic algorithm–enhanced artificial neural network–based CT radiomics signature. ***Eur Radiol***. 2023, 33(1):11-22.
9. Lan He[#], Zhenhui Li[#], Lixu Yan, Xin Chen, Sebastian Sanduleanu, Wenzhao Zhong, Phillippe Lambin, Zhaoxiang Ye, Yingshi Sun, Yulin Liu, Jinrong Qu, LinWu, Changling Tu, Madeleine Scrivener, Thierry Pieters, Emmanuel Coche, Qian Yang, Mei Yang, Changhong Liang, **Yanqi Huang**[*], Zaiyi Liu[*]. Development and validation of a computed tomography-based immune ecosystem diversity index as an imaging biomarker in non-small cell lung cancer. ***Eur Radiol***. 2022, 32(12):8726-8736.
10. Hoebers FJP, Wee L, Likitlersuang J, Mak RH, Bitterman DS, **Huang Y**, Dekker A, Aerts HJWL, Kann BH. Artificial intelligence research in radiation oncology: a practical guide for the clinician on concepts and methods. BJR Open. 2024, 6(1):tzae039.