Cite this as: Xin QI, Donghui YAN, Jiachen ZUO, Rui WANG, Jiajia CHEN. Development of a novel chemokine signaling-based multigene signature to predict prognosis and therapeutic response in colorectal cancer[J]. Journal of Zhejiang University Science B, 2021, 22(12): 1053-1059.
http://doi.org/10.1631/jzus.B2100412

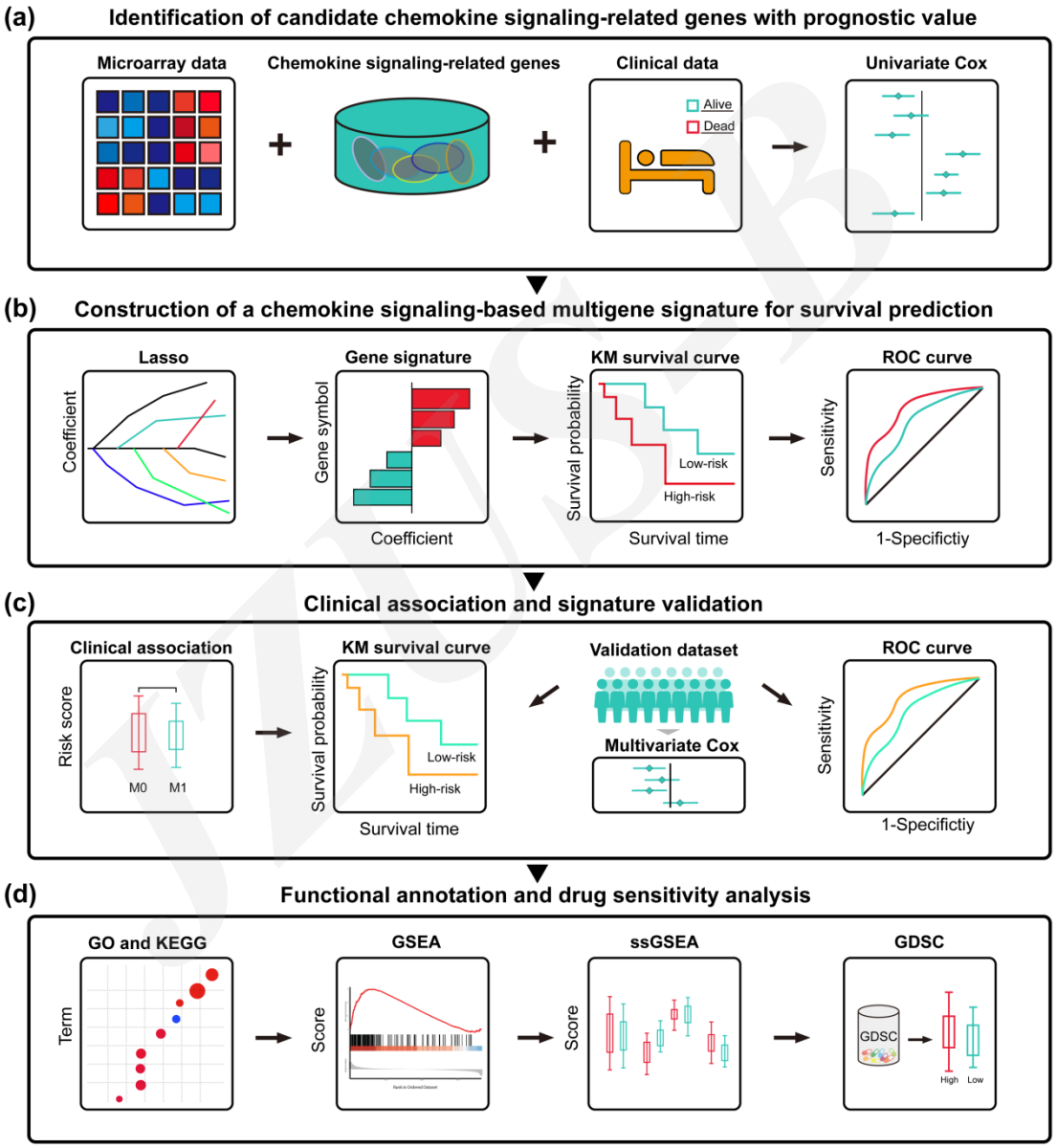
Development of a novel chemokine signaling-based multigene signature to predict prognosis and therapeutic response in colorectal cancer

Key words: Chemokine signaling, Multigene signature, Colorectal cancer, Prognosis, Therapeutic response

Research Summary

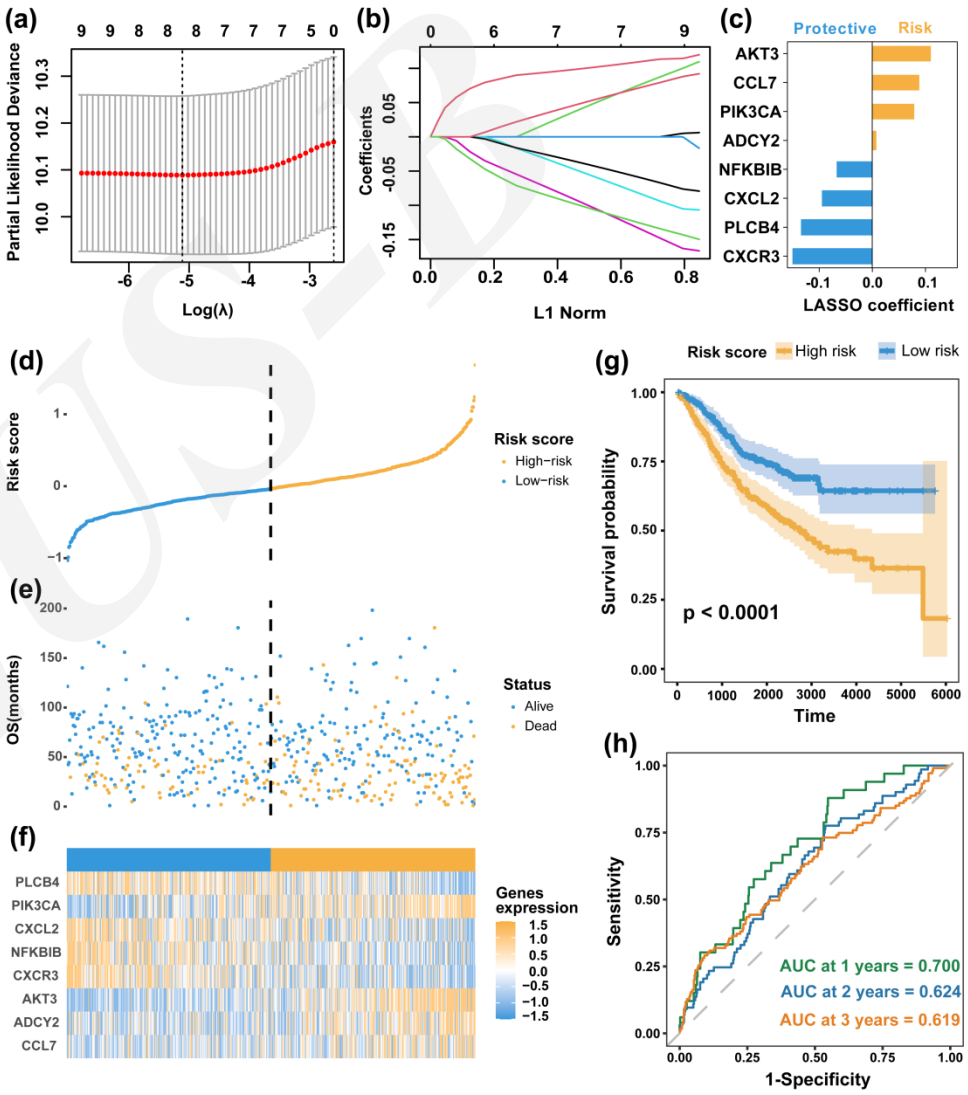
This correspondence mainly focused on the development of a chemokine signaling-based multigene signature (CSbMgSig) that can effectively predict overall survival and therapeutic response for patients with colorectal cancer.

Research strategy



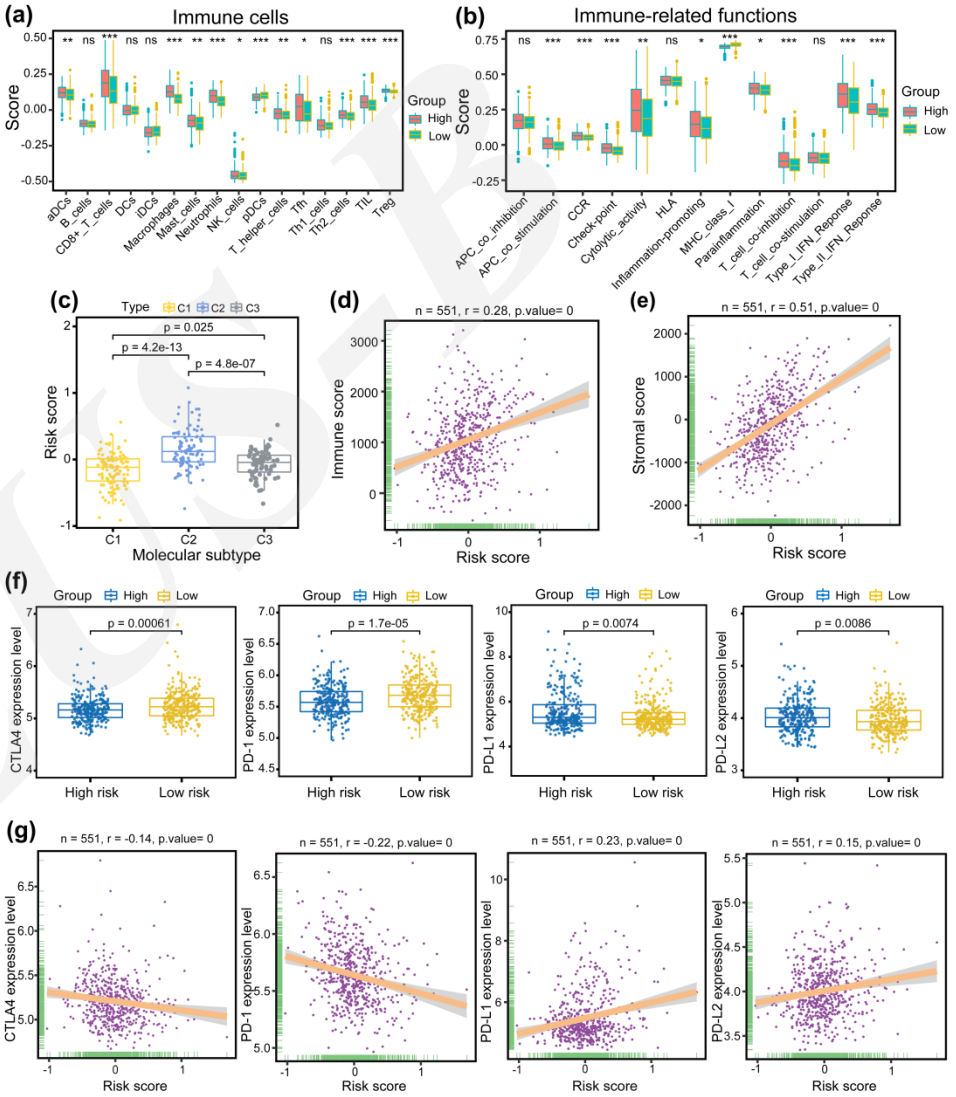
Innovation points

- The established CSbMgSig possesses a powerful predictive ability on the overall survival of colorectal cancer patients.



Innovation points

- **The CSbMgSig-based risk score was associated with immune status and played a key role in mediating immune response.**



Innovation points

- **The CSbMgSig was implicated in the prediction of chemotherapeutic response, providing potential clues for personalized treatment of patients with colorectal cancer.**