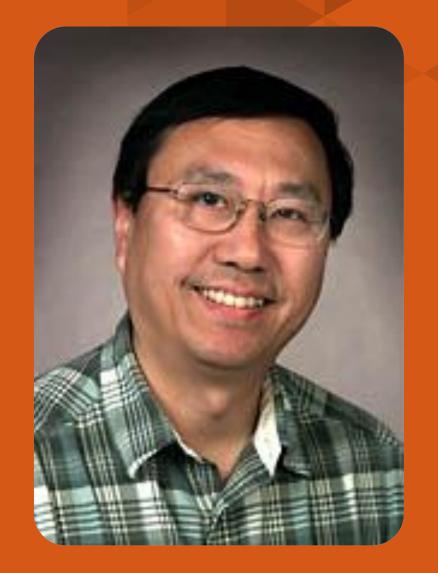# Discovering Neoantigens for Cancer Immunotherapy

Prof. Ming Li

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北京大学 静园五院 206会议室
主持人：邓小铁教授

Abstract:

Immunotherapy is revolutionizing cancer treatment. A key road block for this therapy is the efficient discovery of neoantigens on the surface of cancer cells. We show how to use deep learning to solve this problem using mass spectrometry data.

This talk, based on our papers published in PNAS 2017 and Nature Method (Jan. 2019), is a joint work with NH Tran, R. Qiao, L. Xin, P. Shan, XL. Zhang, A. Ghodsi, X. Chen, CY Liu.

Biography:

Dr. Ming Li is a Canada Research Chair in Bioinformatics and a University Professor at the University of Waterloo. He is a fellow of the Royal Society of Canada, ACM, and IEEE. He is a recipient of 2010 Killam Prize. Together with Paul Vitanyi they have co-authored the book "An Introduction to Kolmogorov Complexity and Its Applications".

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