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Showcasing research by Dr. Norimichi Nagano, Mr. Yuki Ichihashi, Dr. Toru Komatsu and Prof. Yasuteru Urano *et al.*, Graduate School of Pharmaceutical Sciences, The University of Tokyo, Tokyo, Japan. The illustration was created by Dr. Ryo Tachibana.

Development of fluorogenic substrates for colorectal tumor-related neuropeptidases for activity-based diagnosis

A fluorogenic substrate probe was developed to detect the activity of the colorectal tumor-related peptidase, neurolysin. This probe was used to monitor activity alterations in colorectal tumor tissues and blood samples obtained from patients with colorectal tumor. The study suggests that single-molecule neurolysin activity analysis has the potential to be a promising blood biomarker for the activity-based diagnosis of colorectal tumor.

### As featured in:



See Toru Komatsu, Yasuteru Urano *et al.*, *Chem. Sci.*, 2023, **14**, 4495.