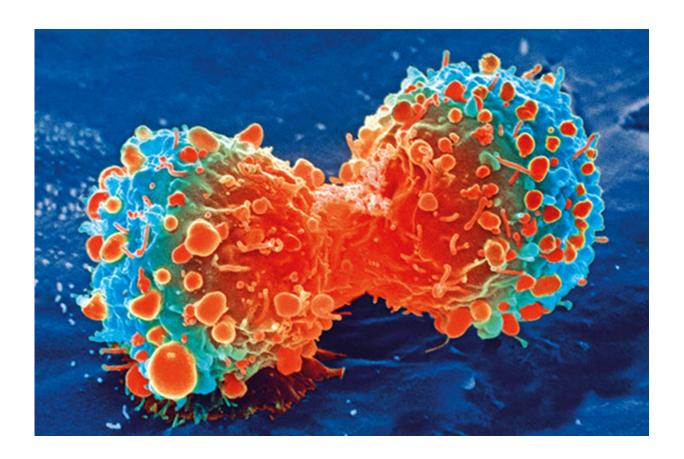


Protein analysis may reveal new cancer treatment targets

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Cancer cell during cell division. Credit: National Institutes of Health

Researchers have used lab technology called mass spectrometry to study the proteins expressed by human cancer cells. The advance, which is described in a new Molecular Oncology article, allows for the



quantitation of thousands of tumour proteins over the course of several hours.

The strategy was used to identify several proteins that were overexpressed in a rare form of <u>bladder cancer</u> that did not respond to chemotherapy.

The findings reveal that proteomics—the large scale study of all proteins in a given system—has the potential to quickly provide robust personalised therapeutic options for cancer patients in which standard clinical options have been exhausted.

More information: Sophia Doll et al. Rapid proteomic analysis for solid tumors reveals LSD1 as a drug target in an end-stage cancer patient, *Molecular Oncology* (2018). DOI: 10.1002/1878-0261.12326

Provided by Wiley

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