

A Journal of the Gesellschaft Deutscher Chemiker

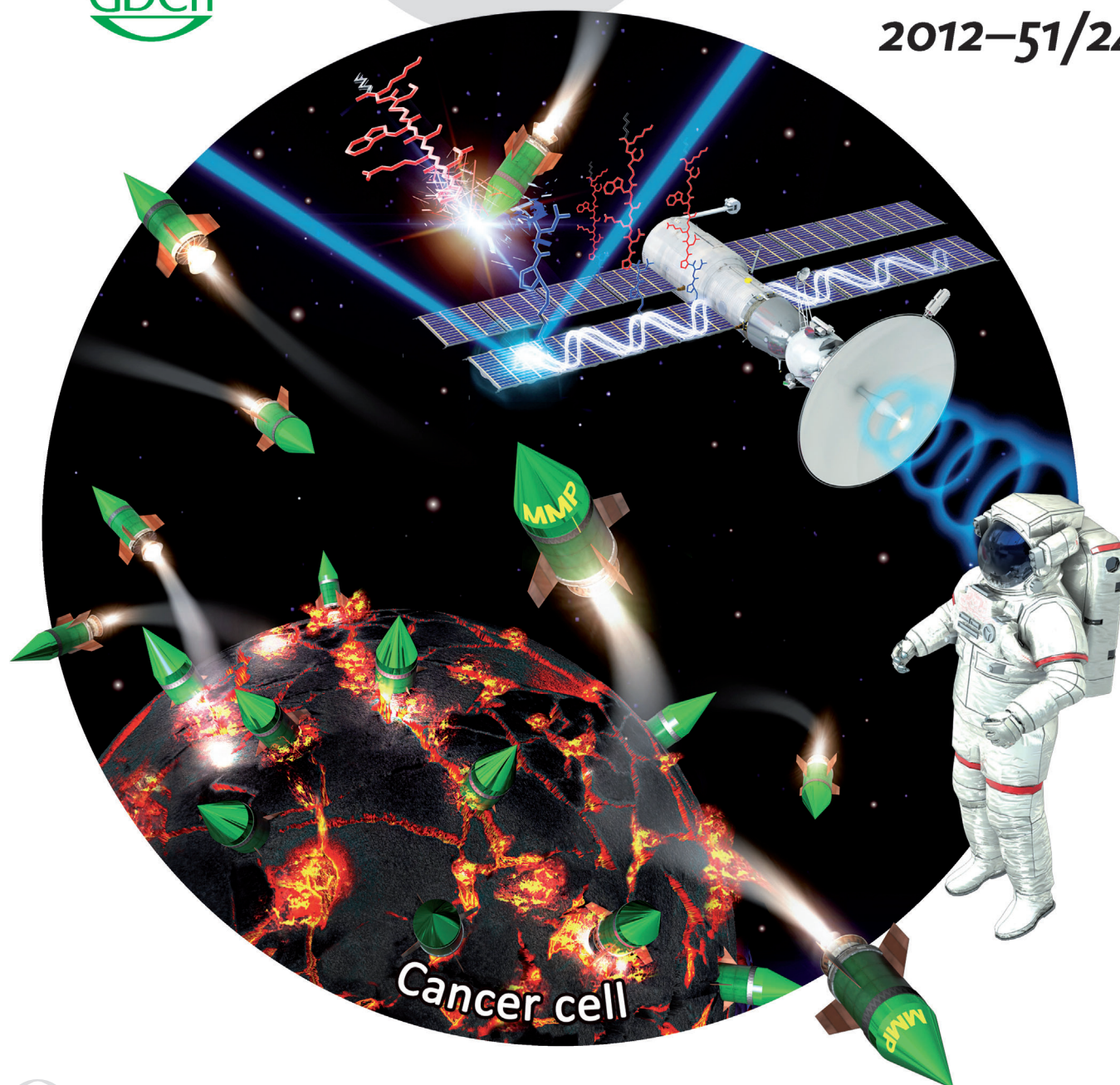
Angewandte Chemie

International Edition



www.angewandte.org

2012–51/24



Active matrix metalloproteinases ...

... (MMPs; green missiles in the picture) expressed on a cancer cell surface can be sensed by a resonant cantilever device (satellite arm in the picture), as J. Yang, D. S. Yoon, T. Kwon et al. report in their Communication on page 5837 ff. Active MMPs attack the peptide sequence that is immobilized on the cantilever surface. The peptide cleavage leads to an increase in the resonant frequency of the cantilever, owing to a decrease in the mass of immobilized peptide.

 WILEY-VCH