

# Fuelling your energy research



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Agenda-setting research in energy science and technology

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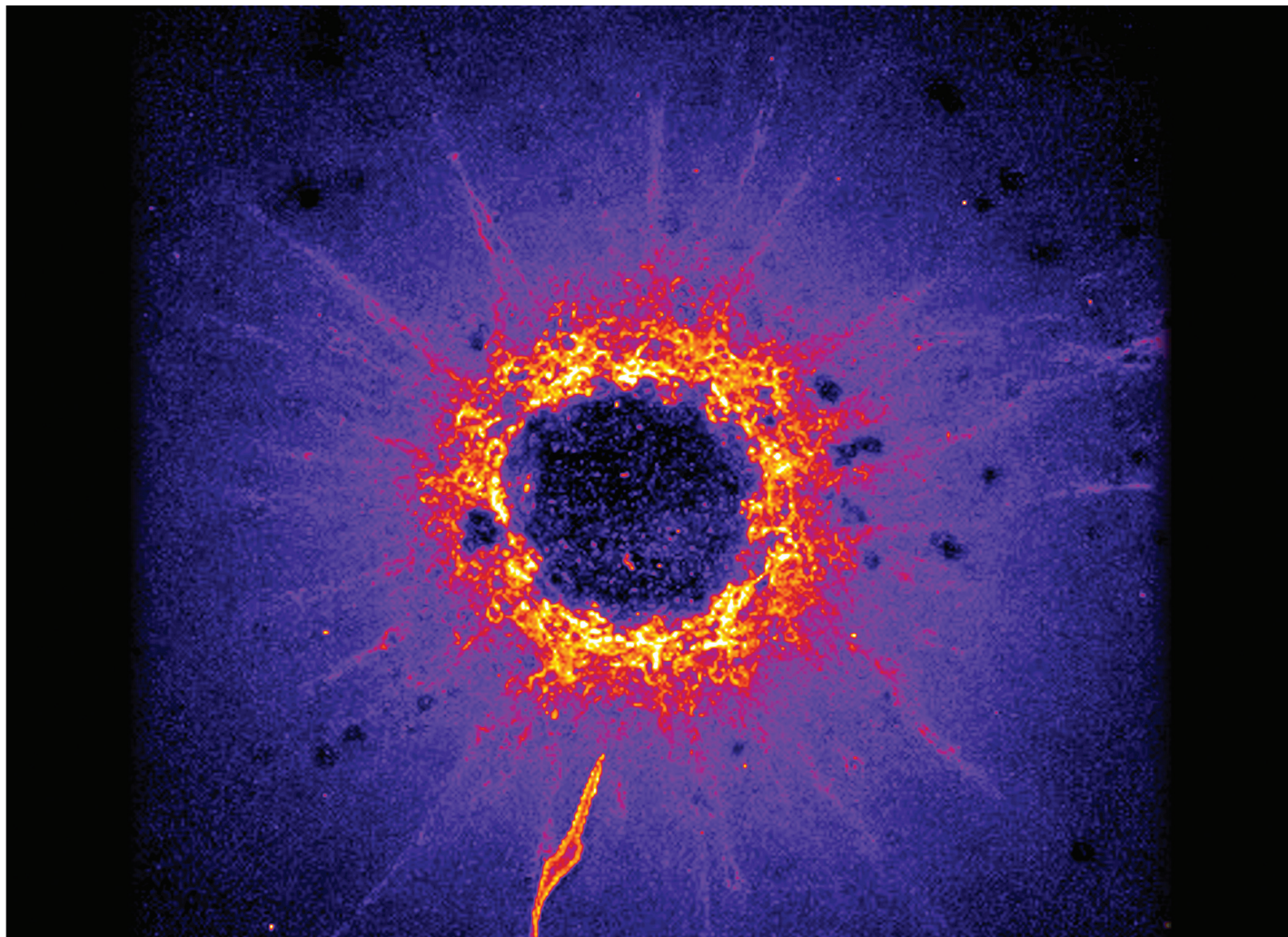
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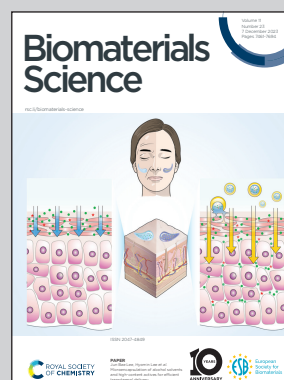


Showcasing research from the Responsive Biomedical Systems Laboratory, headed by Professor Simone Schuerle, at the Institute of Translational Medicine, Department of Health Sciences & Technology, ETH Zurich, Zurich, Switzerland.

Magnetically controlled cyclic microscale deformation of *in vitro* cancer invasion models

This article presents an approach to mechanically actuate 3D *in vitro* cancer model environments in a non-invasive manner over several days of culture. It demonstrates that magnetically controlled cyclic actuation of the tumor microenvironment promotes the invasion of MDA-MB 231 cancer cells from 3D tumor spheroids into the surrounding extracellular matrix *in vitro*.

As featured in:



See Simone Schuerle *et al.*, *Biomater. Sci.*, 2023, **11**, 7541.