ROYAL SOCIETY OF CHEMISTRY

Advance your career in science

with professional recognition that showcases your **experience, expertise and dedication**

Stand out from the crowd
Prove your commitment to attaining excellence in your field

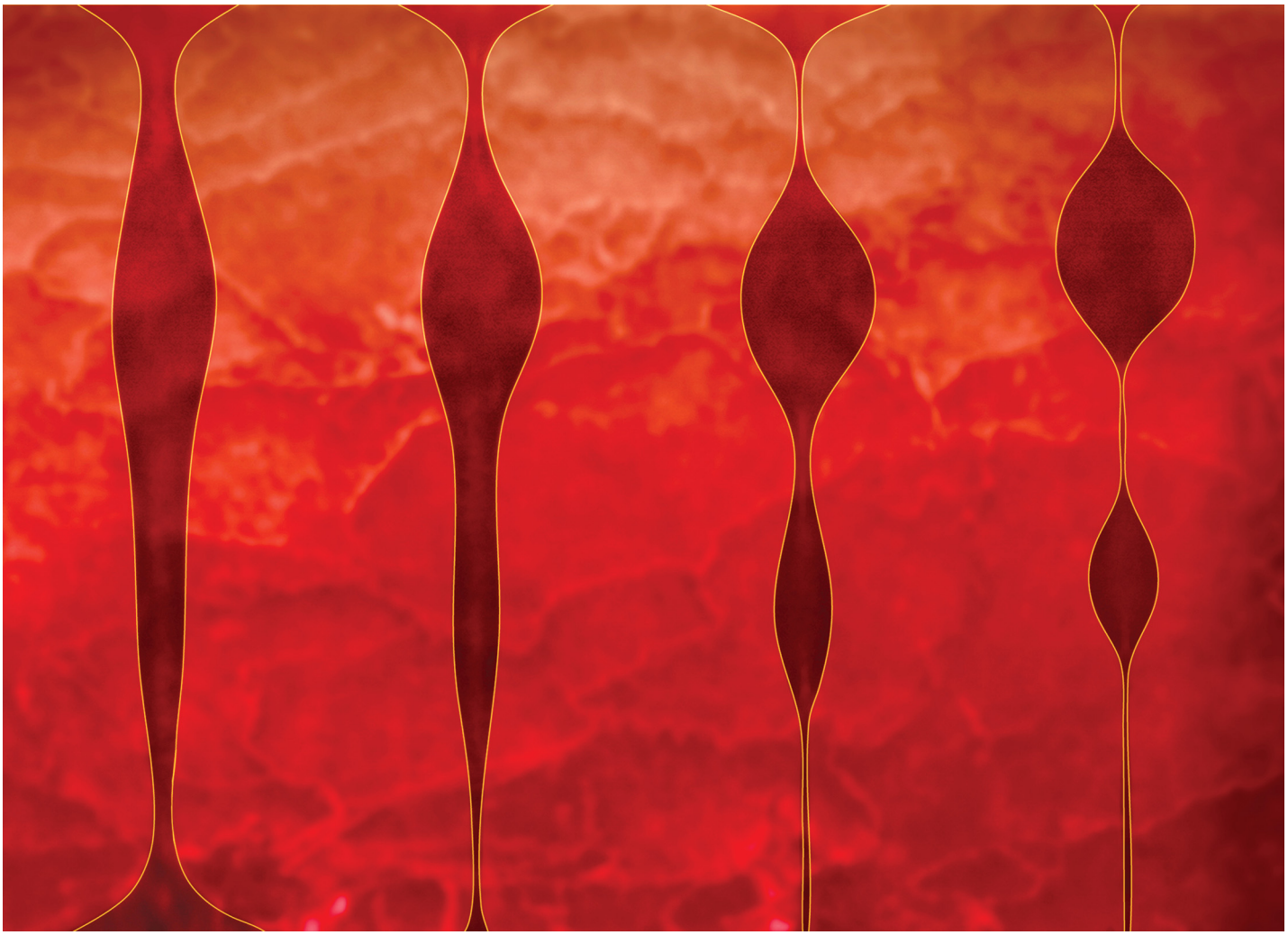
Gain the recognition you deserve
Achieve a professional qualification that inspires confidence and trust

Unlock your career potential
Apply for our professional registers (RSci, RSciTech) or chartered status (CChem, CSci, CEnv)

Apply now

rsc.li/professional-development

Registered charity number: 207890



Showcasing research from Professor Wagner's laboratory, Department of Physics, Saarland University, Saarbruecken, Germany.

Impact of anti-coagulant choice on blood elongational behavior

Blood's rheological properties impact how it flows through our vascular system. Complex, non-Newtonian flow properties might lead to new and unexpected flow phenomena such as viscoelastic turbulence or turbulent drag reduction. This study examines the effects of anticoagulants on human and swine blood elongational properties. Citrate aligned the most with physiological values from untreated human blood droplets. This is a significant result not only for physiological flow, but also for *in vitro* studies or for forensic investigations on blood stains.

Image credit: Ron Christmann

As featured in:

See Jorge Eduardo Fiscina *et al.*, *Soft Matter*, 2024, **20**, 4561.

ROYAL SOCIETY OF CHEMISTRY

rsc.li/soft-matter-journal

Registered charity number: 207890