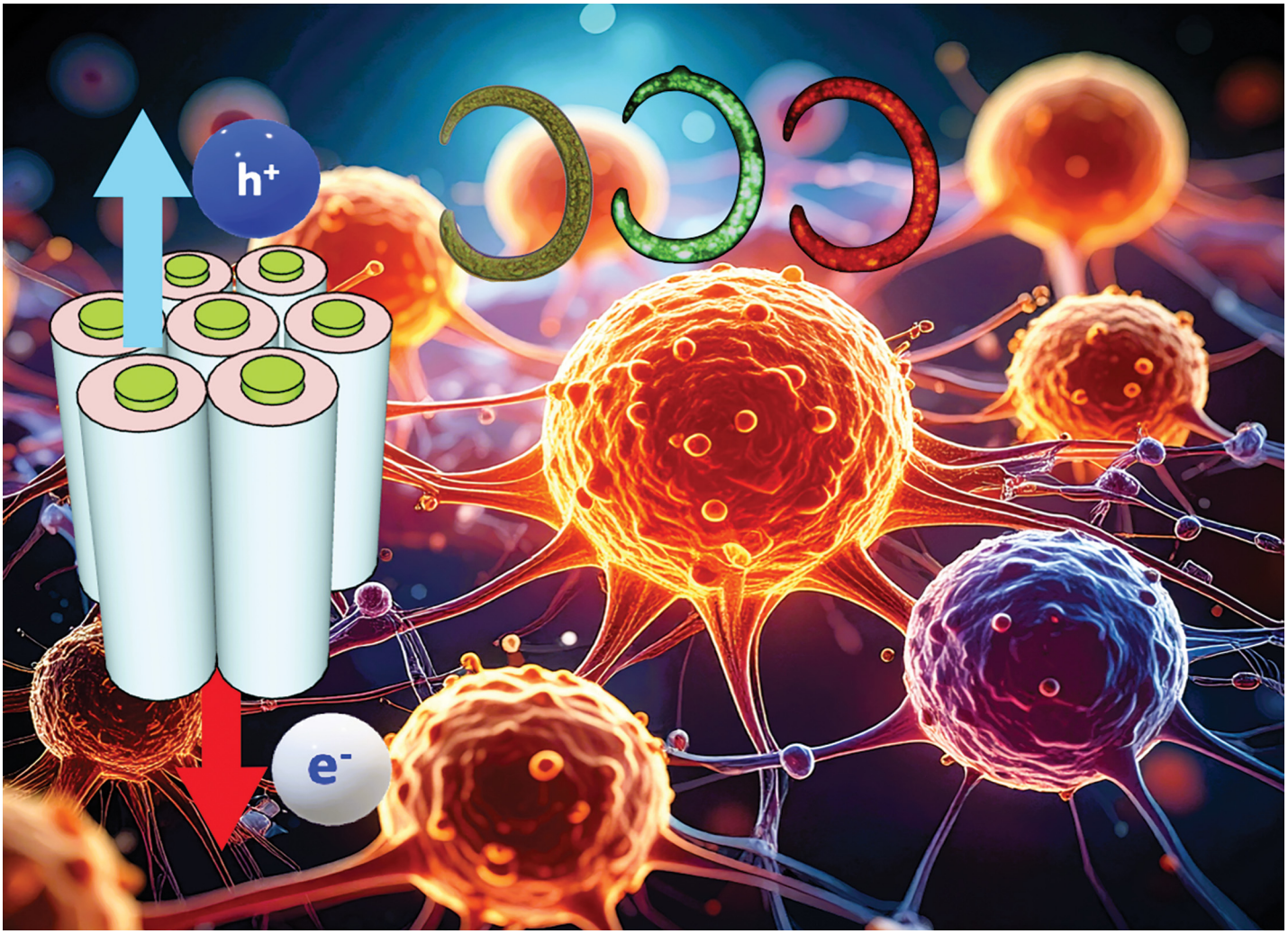

ROYAL SOCIETY
OF CHEMISTRY
Environmental Science: Atmospheres
GOLD
OPEN
ACCESS
Connecting communities and inspiring new ideas
rsc.li/submittoEA
Fundamental questions
Elemental answers
Registered charity number: 207890



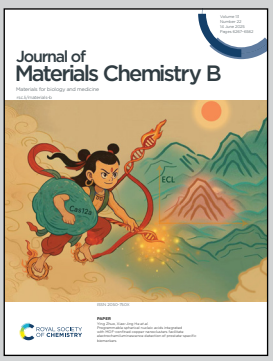
Showcasing research from Professor A. S. Achalkumar (Soft Matter Research Group, SMRG), Department of Chemistry, Indian Institute of Technology Guwahati, India. Co-authors from: Indian Institute of Science Education and Research Thiruvananthapuram and School of Science, Gujarat University, Ahmedabad, India.

Phenoxazine-based ambipolar luminescent room-temperature liquid crystals capable of being used in bioimaging applications

SMRG and collaborators reported a highly emissive columnar liquid crystalline ambipolar semiconductor that is capable of bioimaging cancer cells and nematodes. SMRG works on emissive liquid crystals and organic semiconductors.

Image reproduced by permission of Achalkumar Ammathnadu Sudhakar from *J. Mater. Chem. B*, 2025, **13**, 6351.

As featured in:



See Manoj AG Namboothiry, A. S. Achalkumar *et al.*, *J. Mater. Chem. B*, 2025, **13**, 6351.

ROYAL SOCIETY OF CHEMISTRY

rsc.li/materials-b

Registered charity number: 207890