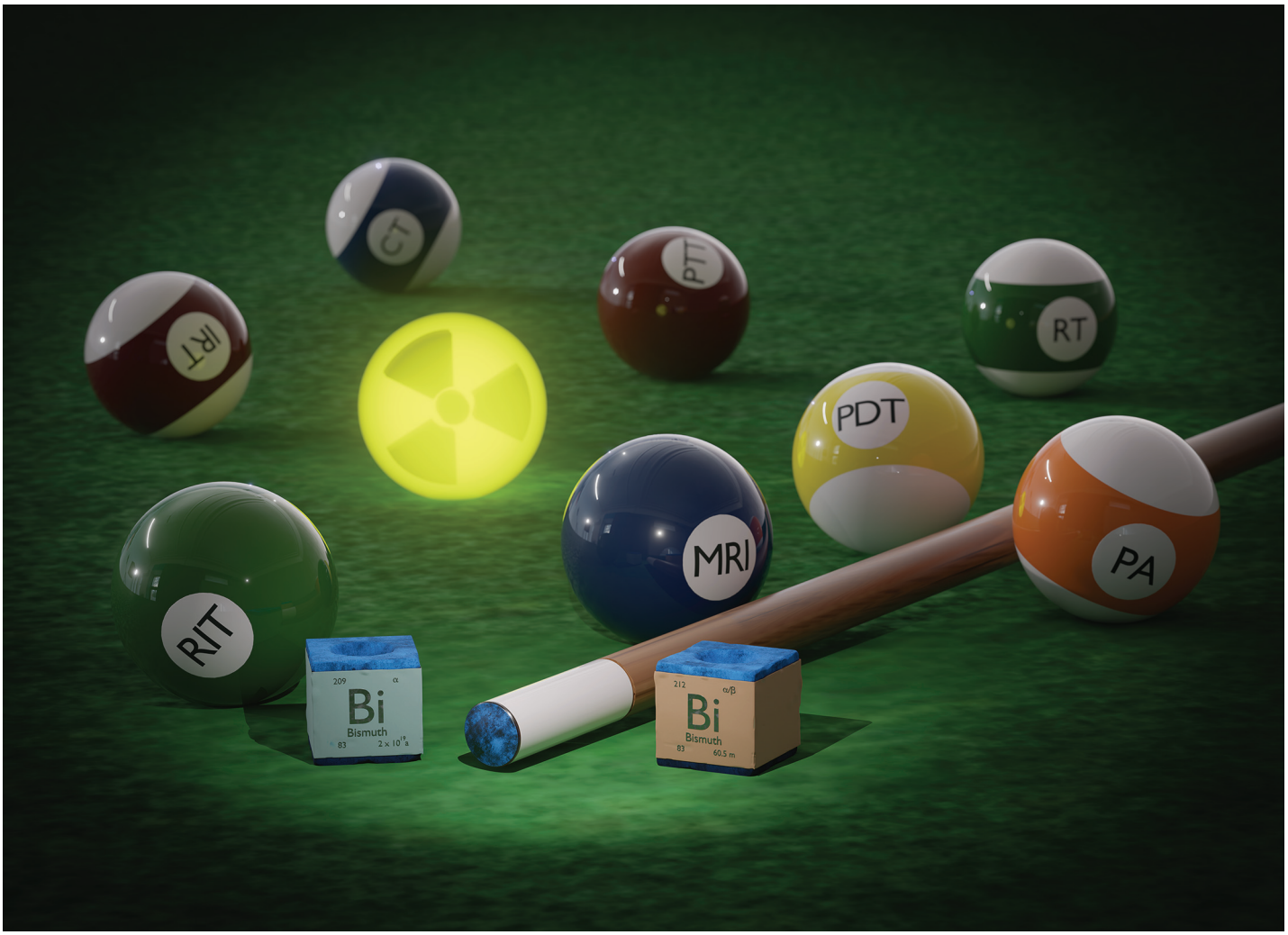


**Showcasing research and a perspective view from Professor Philip Andrew's laboratory, School of Chemistry, Monash University, Melbourne, Australia and Professor Michael Bachmann's and Dr Holger Stephan's laboratories, Institute of Radiopharmaceutical Cancer Research, Helmholtz-Zentrum Dresden-Rossendorf, Dresden, Germany.**

Targeted bismuth-based materials for cancer

This Perspective summarises recent developments in bismuth-based materials, with a focus on cancer imaging and treatment. These new materials open up great prospects for improved imaging based on X-ray computed tomography (CT), photoacoustic imaging (PA), infrared thermography (IRT) and magnetic resonance imaging (MRI), as well as for efficient treatment options, in particular through photothermal therapy (PTT), photodynamic therapy (PDT) and radiation therapy (RT). New strategies that combine immunotherapy (IT) and radionuclide therapy (RIT) represent a particularly promising strategy for the future.

The authors would like to express their sincere thanks to Dr. Bernd Schröder (HZDR) for creating the cover.

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## As featured in:


See Holger Stephan *et al.*, *Dalton Trans.*, 2025, **54**, 5614.