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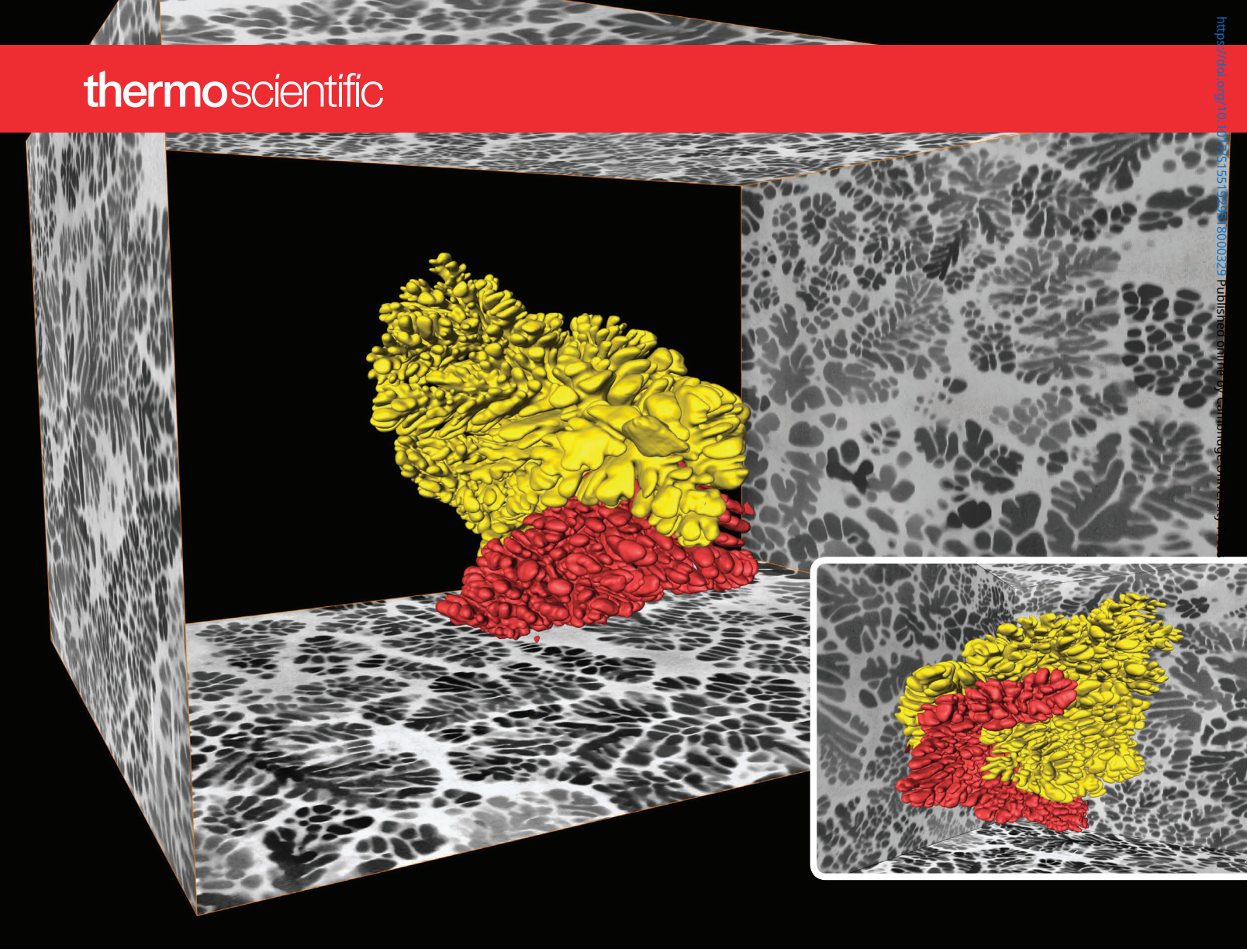

Thermo Scientific™ Avizo™ 3D visualization of two large adjacent crystalline dendrites of a bulk-metallic-glass matrix composite ($Zr_{58.5}Ti_{14.3}Nb_{5.2}Cu_{6.1}Ni_{4.9}Be_{11.0}$). Data was obtained by large volume serial sectioning tomography using the Thermo Scientific Helios™ PFIB DualBeam™ microscope. The sectioned block is about 90×80×70 µm³. Sample from The University of Tennessee, USA. Images courtesy of The University of Manchester.

Large 3D volumes with unprecedented surface resolution

Until recently, available technologies have limited the volumes and depths of materials that can be analyzed at high resolution, ultimately restricting the insight into structural, crystallographic, and chemical properties. This is no longer the case. The Thermo Scientific Helios PFIB DualBeam microscope offers unrivaled access to regions of interest deep below the surface—combining serial section tomography with statistically relevant data analysis.

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