

ADVANCED MATERIALS

A 3D schematic of a mesostructure consisting of a cluster of interconnected spheres. The spheres are rendered in a grayscale with a textured surface. A red circular inset provides a magnified view of the internal structure, showing a complex, swirling pattern of light and dark regions. A rainbow-colored beam of light passes through the structure from the top left.

New optically active three-dimensionally (3D) mesostructured AgCl–KCl eutectic photonic crystals and a 3D mesoporous AgCl inverse opal structure emerge from the combination of the characteristic periodic structure of a 3D template, and the native self-organizing structure of a AgCl–KCl eutectic. This is described by K. Thornton, P. V. Braun, and co-workers on page 4551.

