

Chaotic mixing in three-dimensional microvascular networks fabricated by direct-write assembly

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In this article, an error led to the arrows in Figure 3b being doubled. The correct version of Figure 3 is printed below.

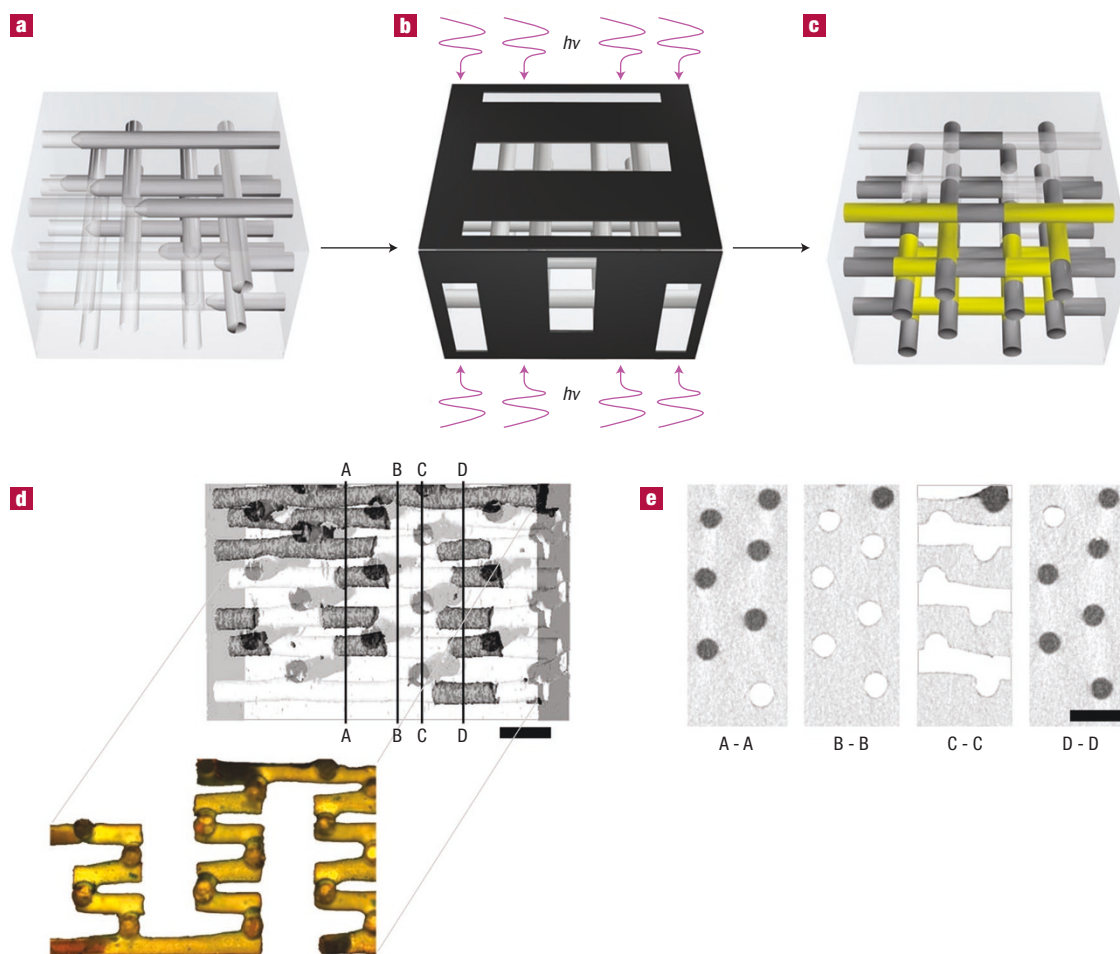


Figure 3 Square-spiral tower patterning. **a–c**, Schematic representation of photopolymerization procedure: **a**, infiltration of photocurable resin (dark grey) in the epoxy matrix (light grey); **b**, ultraviolet light ($h\nu$) exposure through photomasks (black); **c**, removal of unreacted resin. The polymerized regions are shown in darkest grey and the resulting tower structure is highlighted in yellow. **d**, Front perspective view of a 3D device acquired using X-ray tomography, showing sealed (dark grey) and open (white and light grey) microchannels after this procedure. The corresponding fluorescent microscope image of the infiltrated microchannel network is shown in overlay. Scale bar = 0.5 mm. **e**, Cross-sectional images of the network showing the sealed (dark grey) and open (white) microchannels at the bottom input (A–A), middle (B–B), edge (C–C), and the top output (D–D) of a square-spiral tower. Scale bar = 0.5 mm.