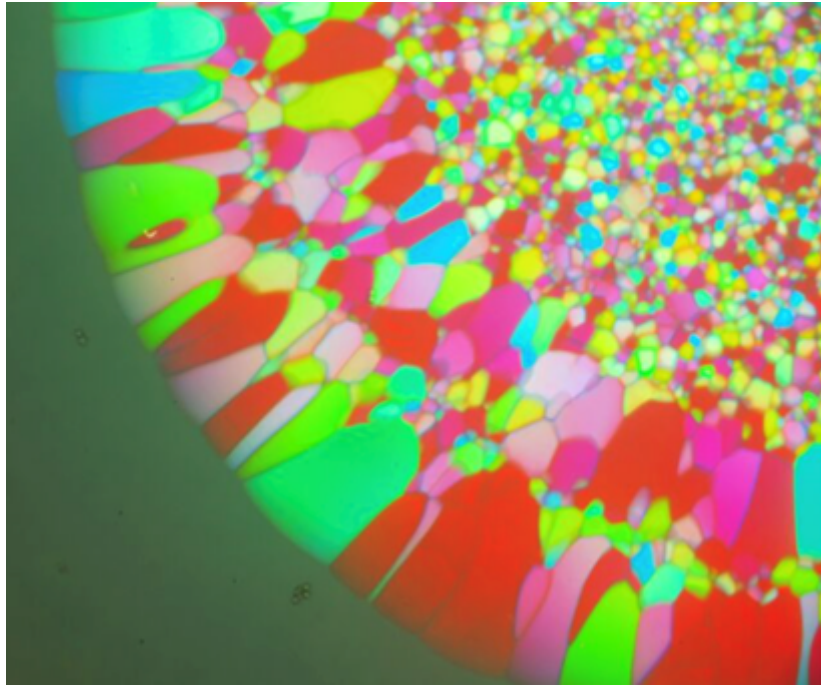
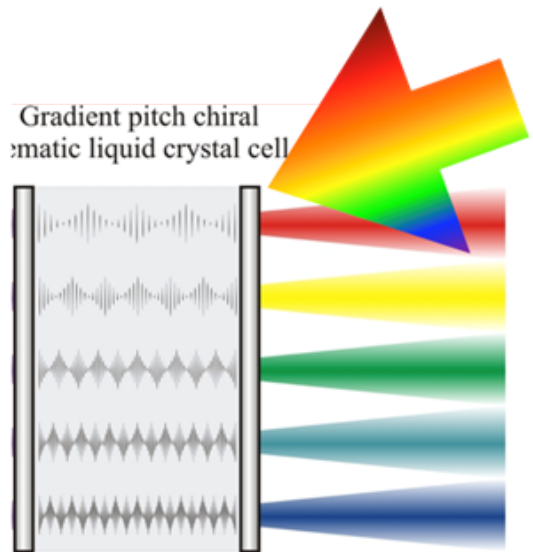


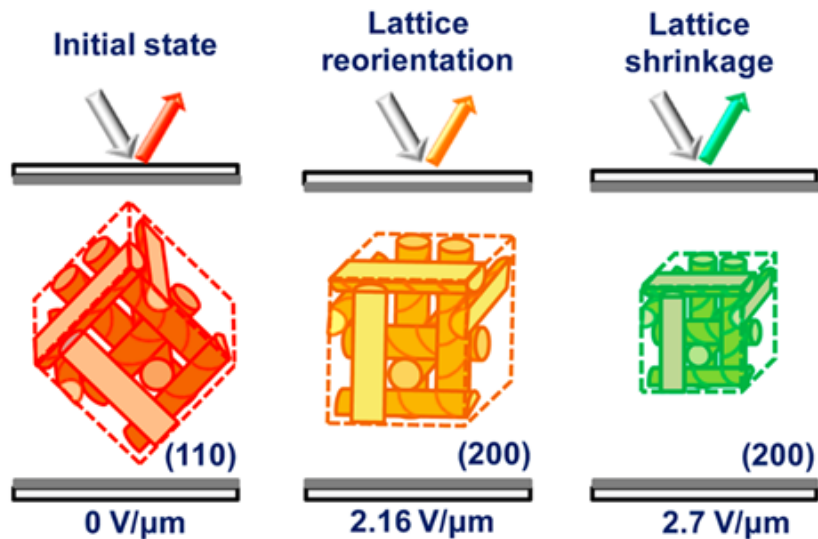
2 (a) Nematic LC (b) chiral matter chiral nematic LC (double-twist cylinder) disclination Phase transition

pitch) 500nm phase transition BP III BP II BP I BP I BP II BP I (body-centered cubic) BP II (simple cubic) BPIII (foggy blue)



4



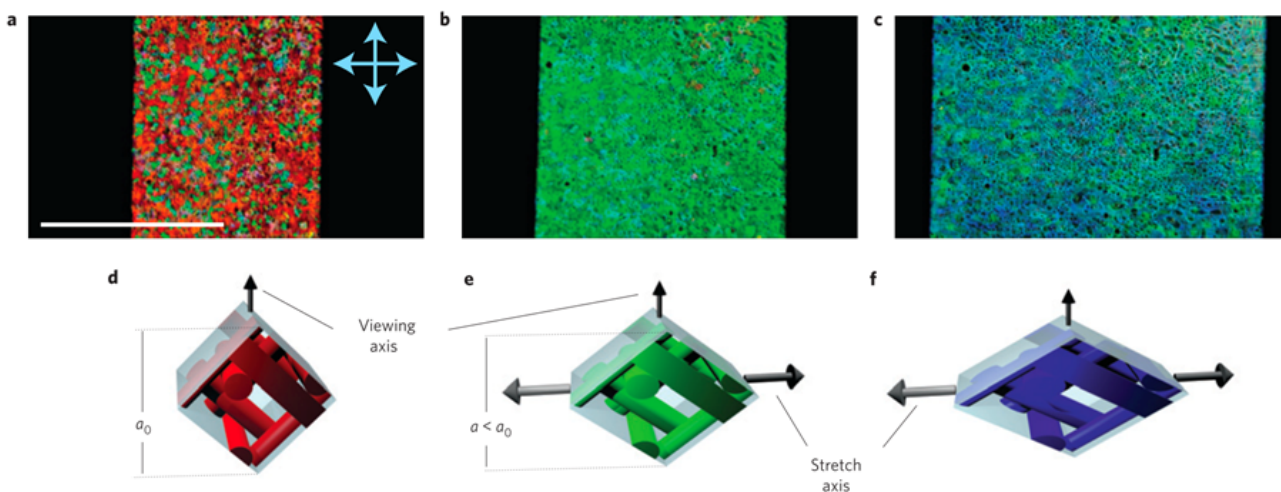


(a)

(b)

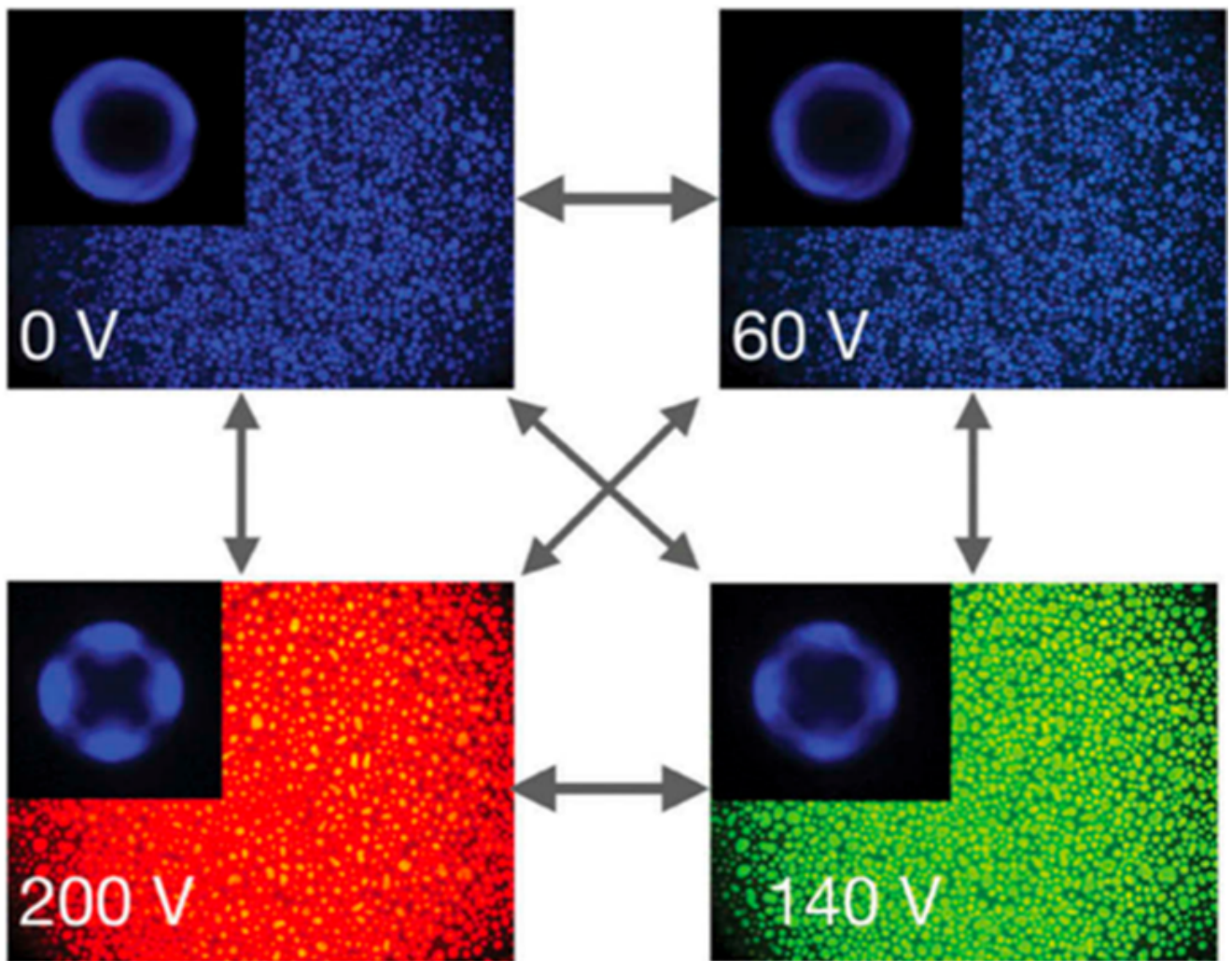
5 (a) Photo credit: University of Cambridge
 (b) Photo from: ACS Appl. Mater. Interfaces 2017, 9, 39569-39575

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6

Photo from: NATURE MATERIALS, 13, 817 (2014)



7 $(1, \theta, \theta)$

n