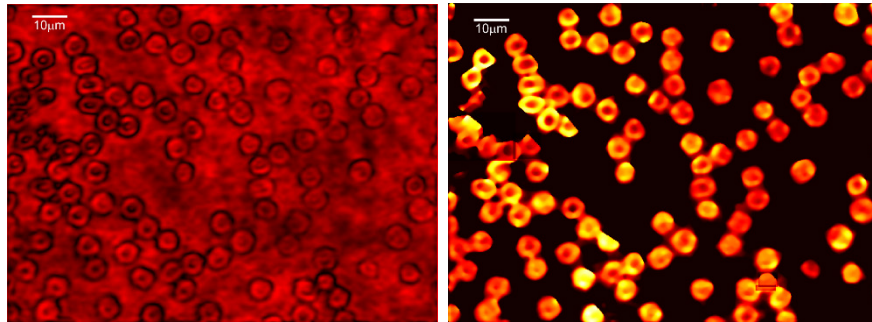
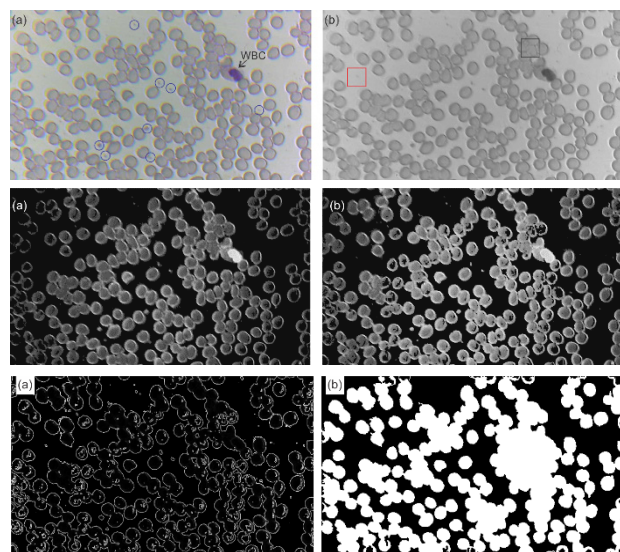
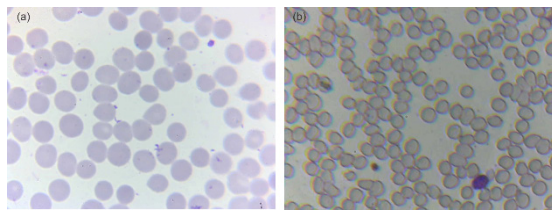


Graphical Abstract

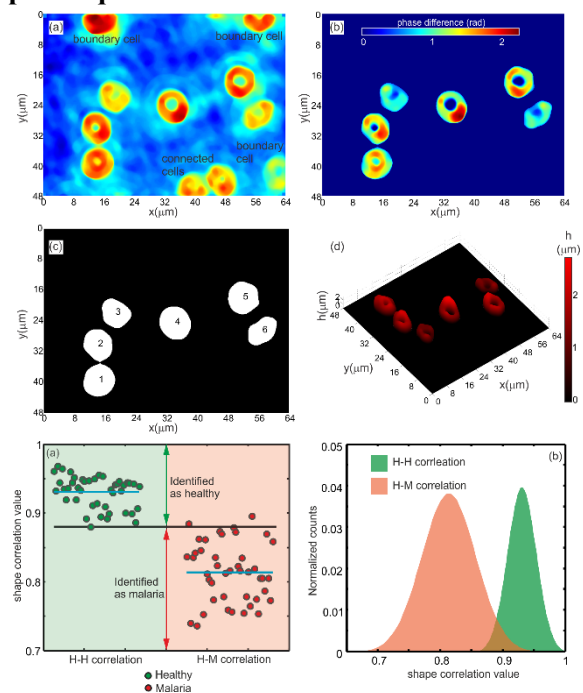
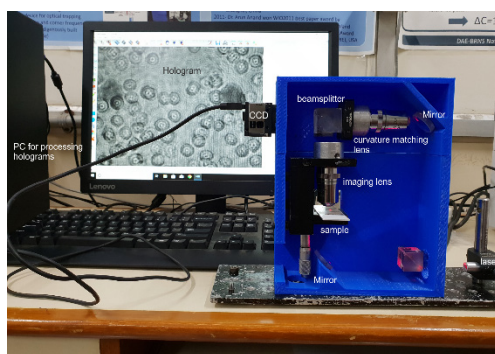
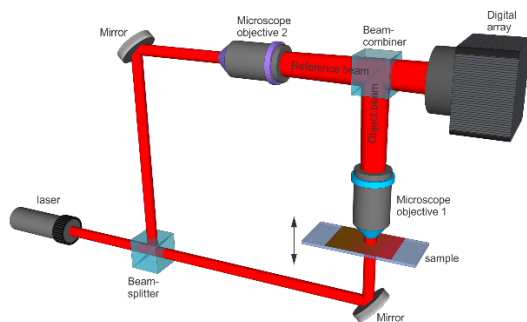
Chapter 1: Introduction to bright field imaging and quantitative phase imaging



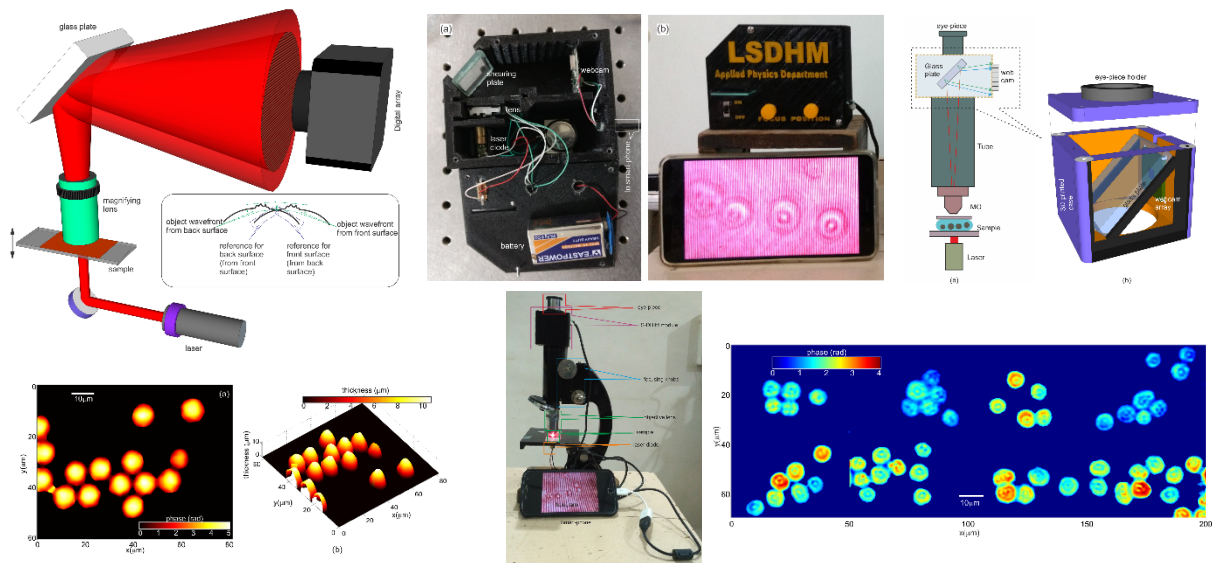
Chapter 2: Field portable bright field microscopes attached to smart-phones



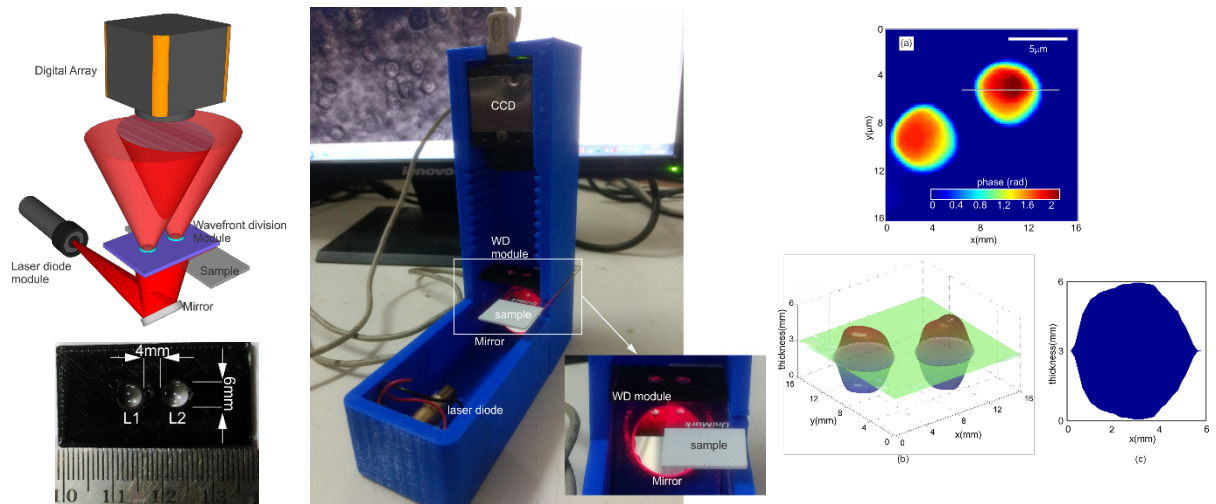
Chapter 3: Off-axis digital holographic microscope for quantification of blood cells



Chapter 4: Compact field-portable off-axis self-referencing DHIM



Chapter 5: Two-lens wavefront division digital interference holographic microscopy



Chapter 6: Lateral Shearing Digital Holography Microscopy of Immobilized Cells

