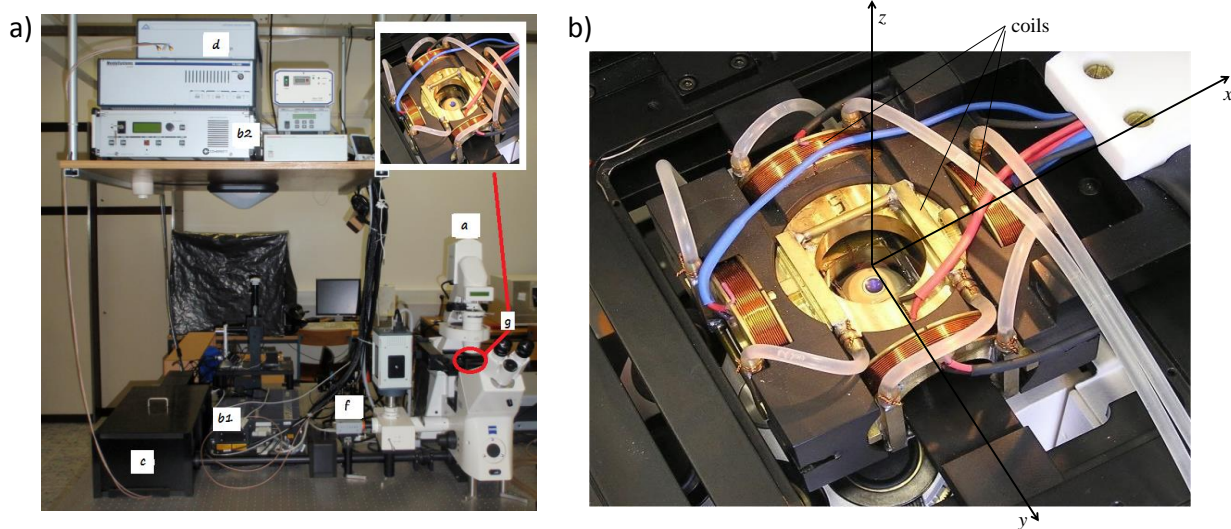


Electronic Supplementary Information 4 (ESI_4)



ESI_4. (a) Magneto-optical experimental set-up: (a) microscope, (b1) laser head, (b2) laser diode driver, (c) box with acousto-optic deflectors, (d) beam steering controller, (f) CMOS camera, (g) coils. (b) The magnetic field is generated by three orthogonal pairs of coils in approximately Helmholtz configuration (for x, y and z directions) powered by a 6-channel computer-controlled current source.