

Materials List for

# Light-Induced *In Situ* Transmission Electron Microscopy for Observation of the Liquid-Soft Matter Interaction

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## Materials

| Name                                | Company         | Catalog Number | Comments   |
|-------------------------------------|-----------------|----------------|--|
| Carbon film on 200 mesh copper grid | Agar Scientific | AGS160         | The standard TEM grids for observations and liquid cell preparation  |
| Crossover Tweezers                  | Dumont          | N5             | The tweezers are necessary for liquid cell preparation   |
| Photodiode Power Sensor             | ThorLabs        | S130C          | The sensor used for light intensity measurement  |
| Polyimide-Coated Multimode Fiber    | Thorlabs        | FG400UEP       | Must be built into the microscope using the on-site built adapter, according to the 10.1016/j.ultramic.2021.113388 |
| Transmission Electron Microscope    | Hitachi         | H-800          | Can be replaced with any side-entry microscope, available for modification   |
| Tunable Diode Laser                 | CNI             | MRL-III-660D   | The light wavelength must be chosen basing on photosensitizer's absorption spectrum                                |