CLAIMS

1. A transmission electron microscopy support for receiving a biological sample, the support comprising at least one support member, and comprising graphene attached to the at least one support member, characterised in that the graphene is partially hydrogenated graphene, and in which the graphene is 1 to 10% hydrogenated graphene.

2. A support according to Claim 1 in which the graphene is 3% to 10% hydrogenated graphene, preferably 5% hydrogenated graphene.

3. A support according to Claim 1 or 2 in which the at least one support member is attached to a support film, and the graphene is attached to the support film.

4. A support according to Claim 3 in which the support film comprises carbon.

5. A support according to any preceding claim in which the partially hydrogenated graphene comprises at least a first area of graphene having a first hydrogenation value and at least one further area of graphene having a different hydrogenation value.

6. A support according to any preceding claim further comprising a biological molecule adsorbed to the partially hydrogenated graphene.

7. Use of a partially hydrogenated graphene support according to any of Claims 1 to 5 to support a biological molecule for transmission electron microscopy.

8. Use of a hydrogen plasma at an energy in the range 1 to 14 eV for preparation of a support according to Claim 1.

9. A method of imaging a biological sample, the method comprising:

configuring the biological sample on a support according to any one of Claims 1 to 6, arranging the support in an electron beam of an electron microscope, and collecting image data.

10. An imaging apparatus operable to provide an electron microscopy image of a biological sample, the apparatus comprising:

a biological sample mounted on a support according to any one of Claims 1 to 6, an electron beam of an electron microscope arranged to be incident on the support, and a collection device operable to collect image data.