

Supplementary information

TEM images from DC plasma doping

In this section example images are given for all samples that have been doped via DC glow discharge plasma and analyzed in this work. Each image corresponds to one data point given in Table 2 of the main article. They are structured the same way as in the main article, with yellow arrows pointing at graphitic nitrogen positions, on the left the complete image and on the right the same image with removed crystal lattice.

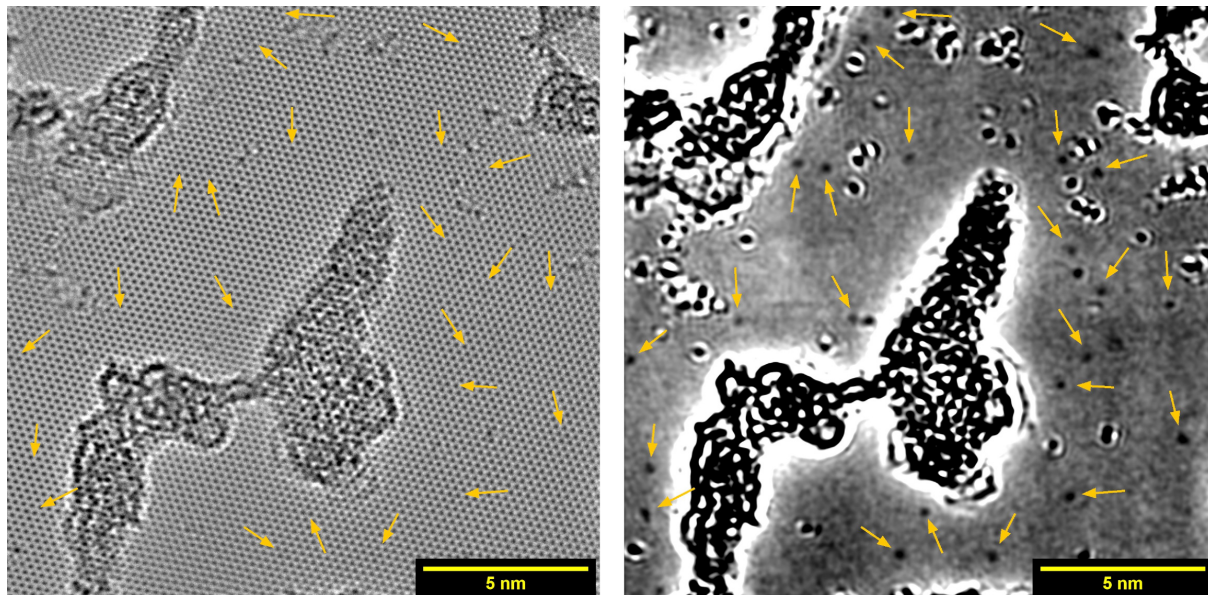


Figure S-DC1: Monolayer graphene doped via DC plasma at 3.5 mbar and with 2 pulses.

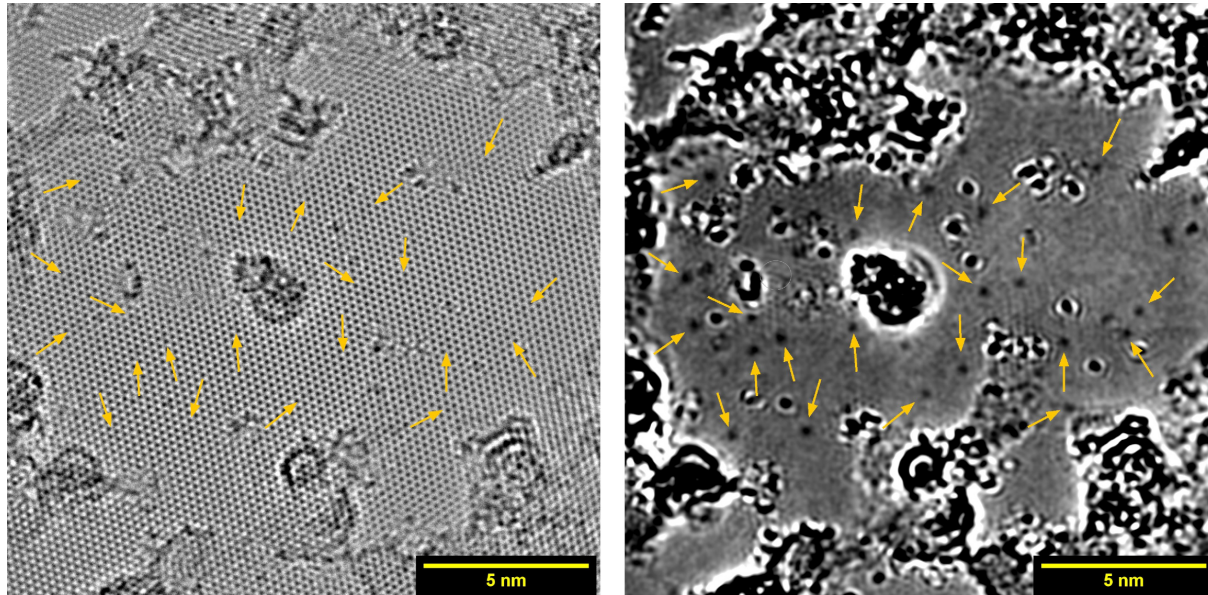


Figure S-DC2: Monolayer graphene doped via DC plasma at 3.5 mbar and with 6 pulses.

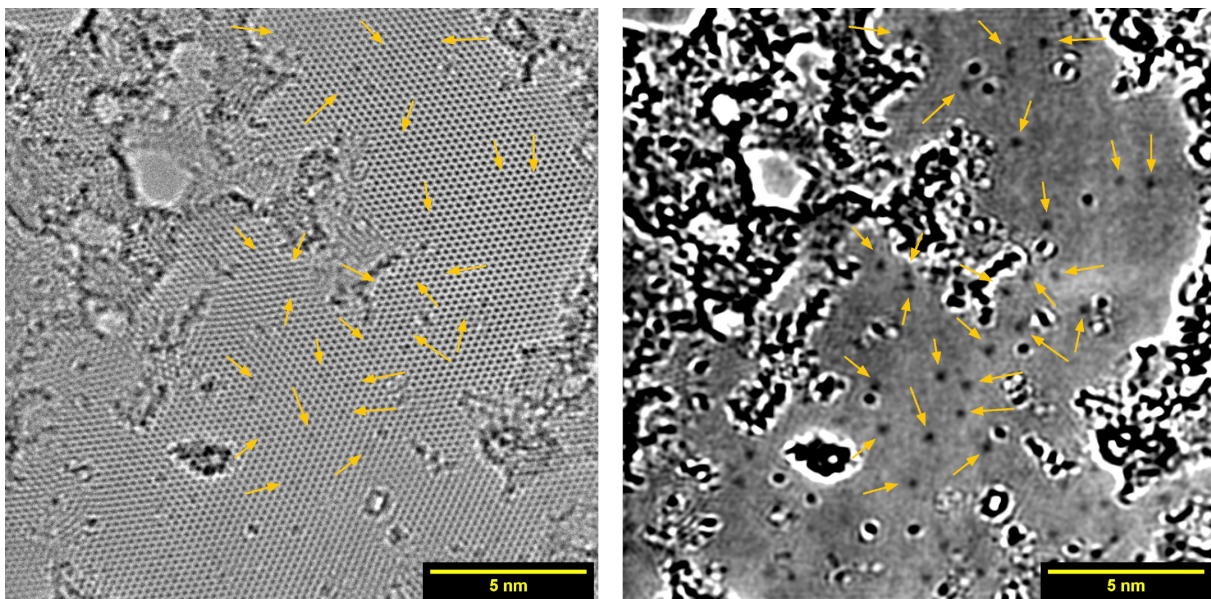


Figure S-DC3: Monolayer graphene doped via DC plasma at 3.5 mbar and with 10 pulses.

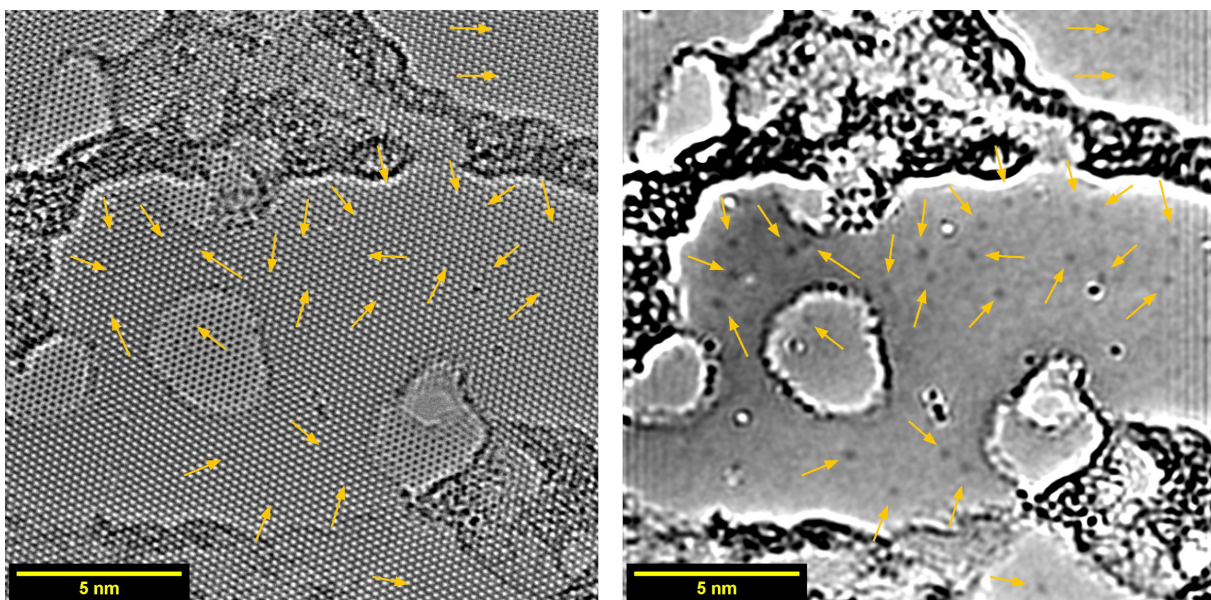


Figure S-DC4: Monolayer graphene doped via DC plasma at 5 mbar and with 2 pulses.

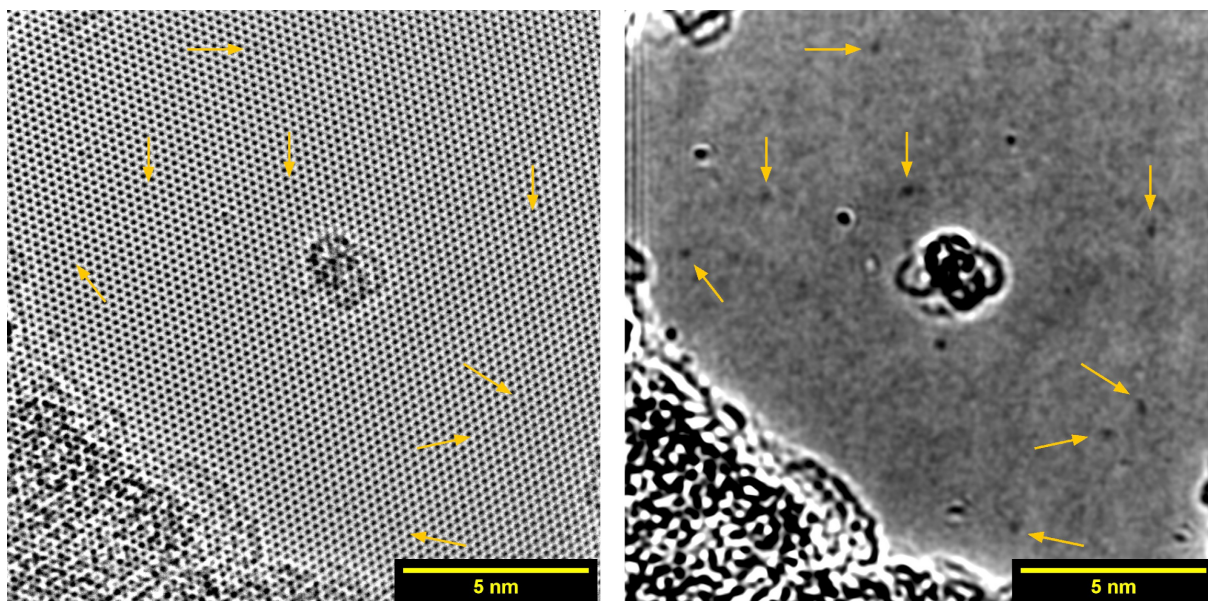


Figure S-DC5: Monolayer graphene doped via DC plasma at 6.5 mbar and with 2 pulses.

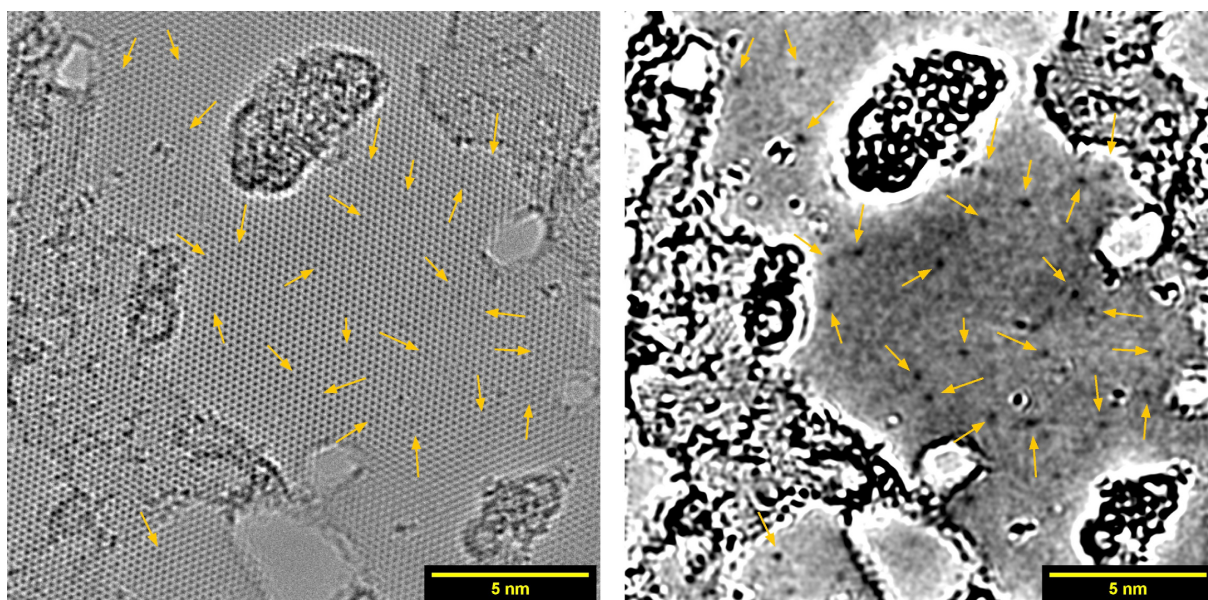


Figure S-DC6: Monolayer graphene doped via DC plasma at 6.5 mbar and with 6 pulses.

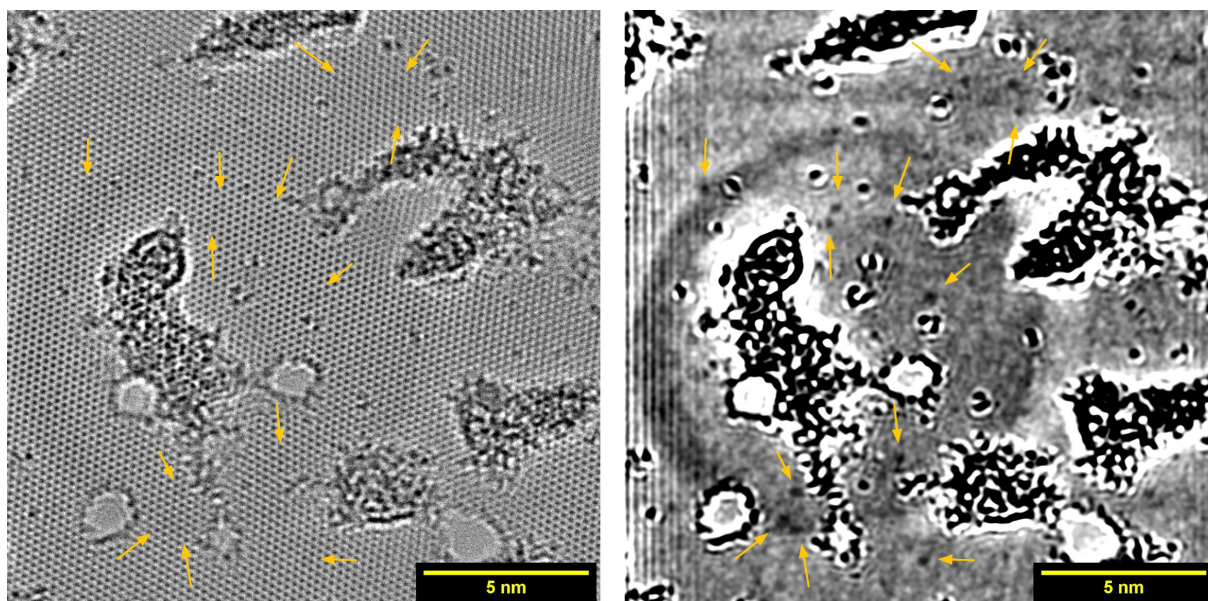


Figure S-DC7: Monolayer graphene doped via DC plasma at 8 mbar and with 2 pulses.

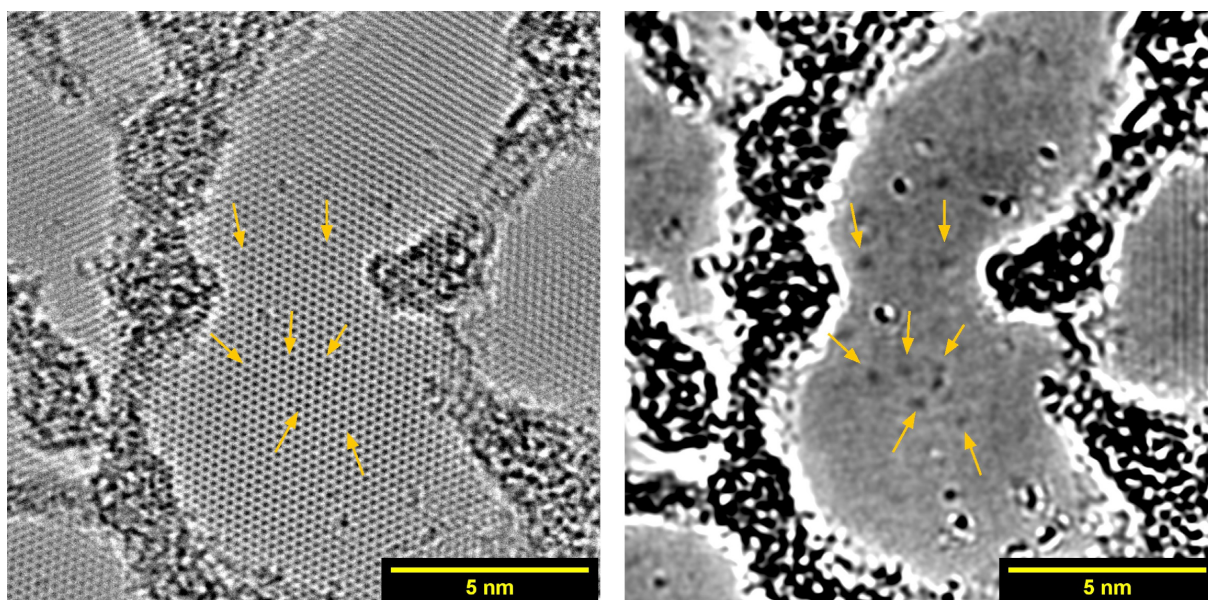


Figure S-DC8: Monolayer graphene doped via DC plasma at 8 mbar and with 6 pulses.