

Chemically induced folding in single and bilayers graphene

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Electronic Supplementary Information

Optical Imaging of Folds

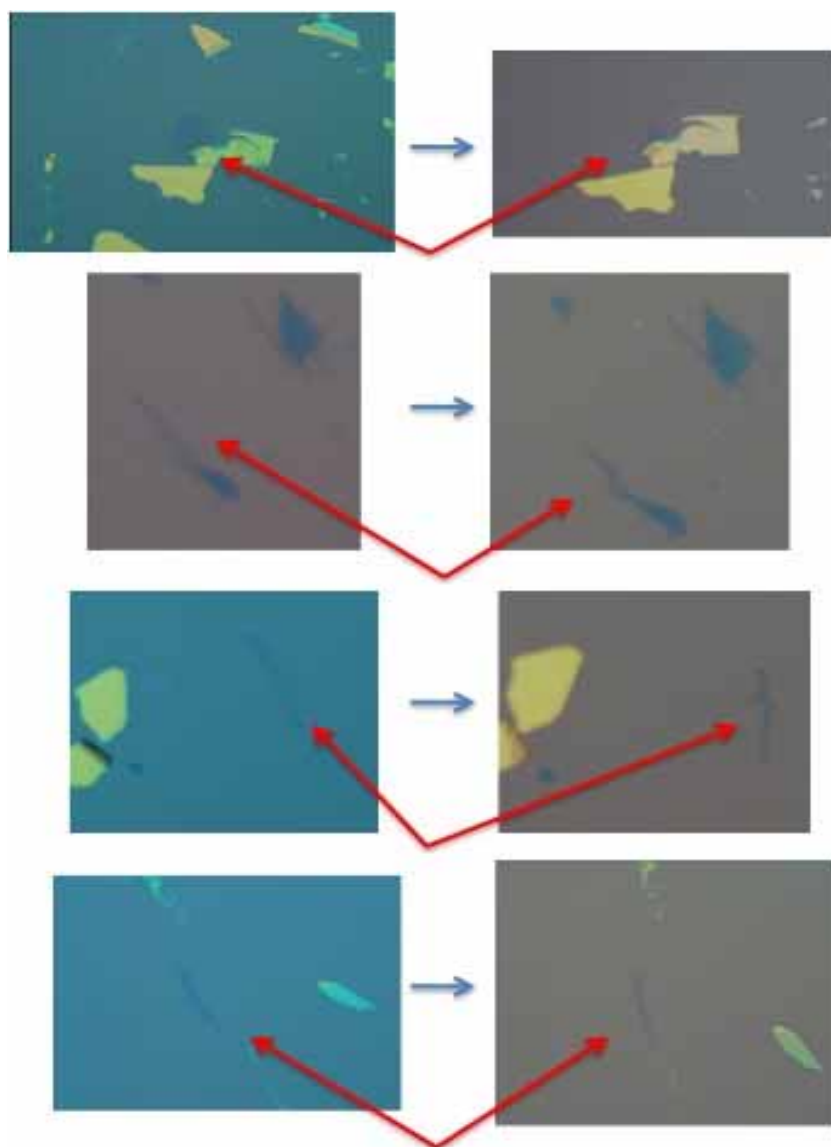


Figure S1 shows four sets of optical microscope images collected before and after vapor phase intercalation of thin graphene flakes. The images provide quick and simple confirmation of folding upon intercalation.

Scanning Electron Microscopy of Folds

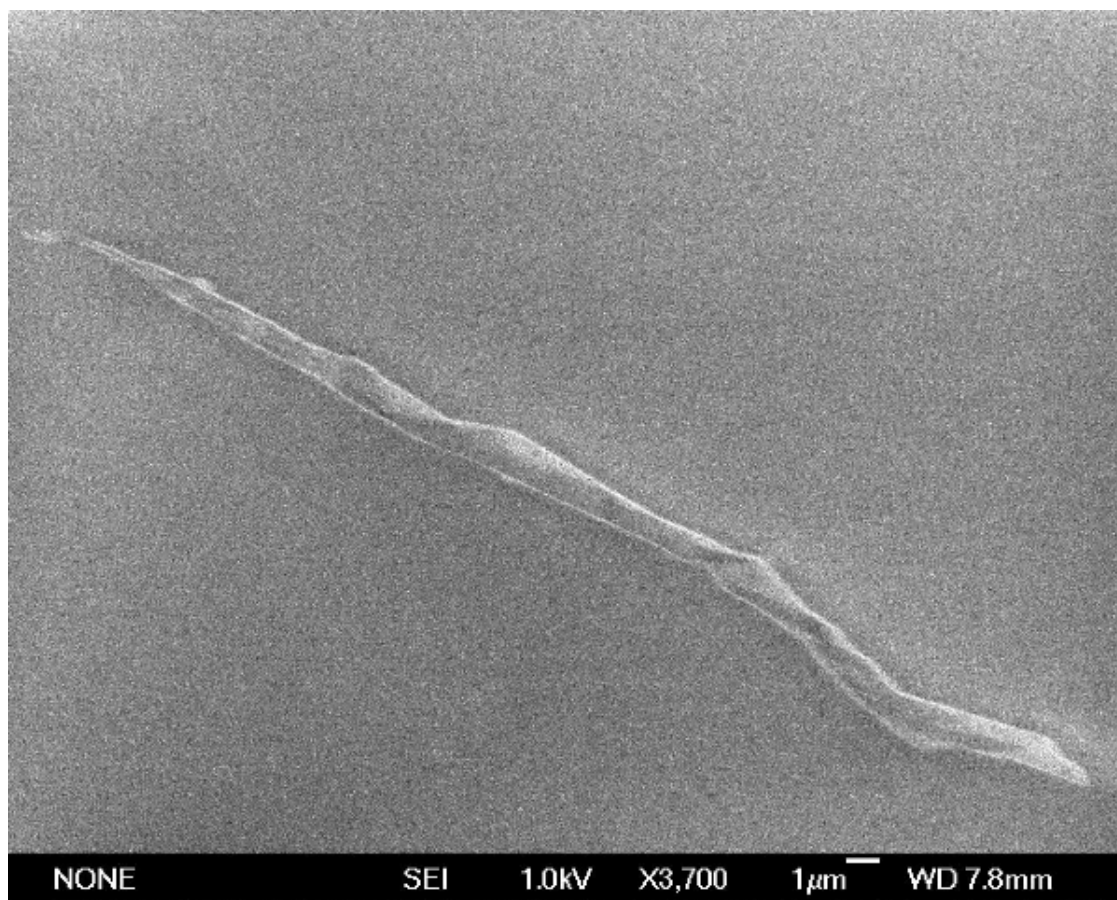


Figure S2 shows a scanning electron microscope image of a bilayers flake after intercalation. The flake is the same one featured in the bottom set of optical images in Figure S1.

Atomic Force Microscopy of a Single Layer

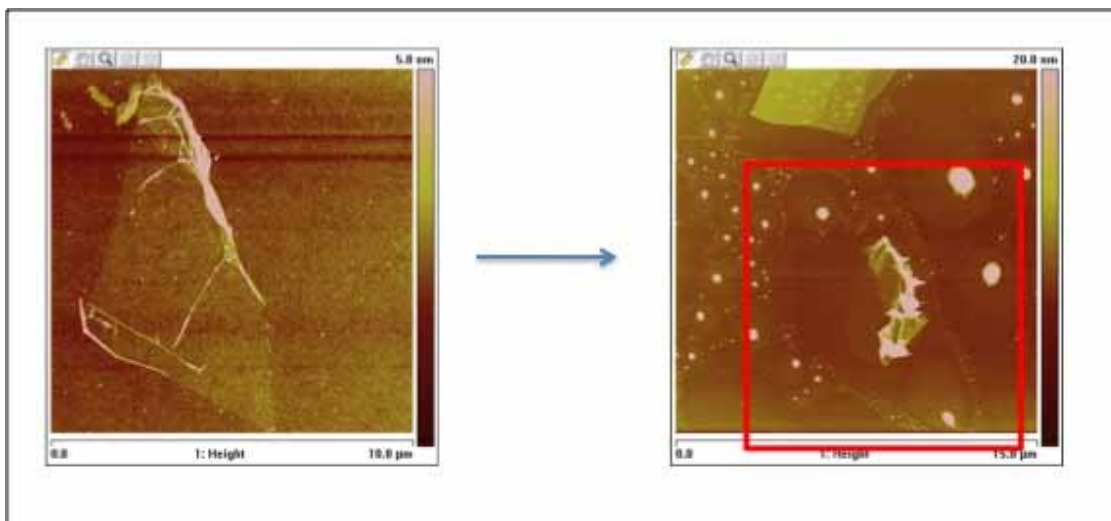


Figure S3 shows an atomic force microscope (AFM) image of a single layer flake before and after intercalation.

Full Raman Spectrum of Bilayers

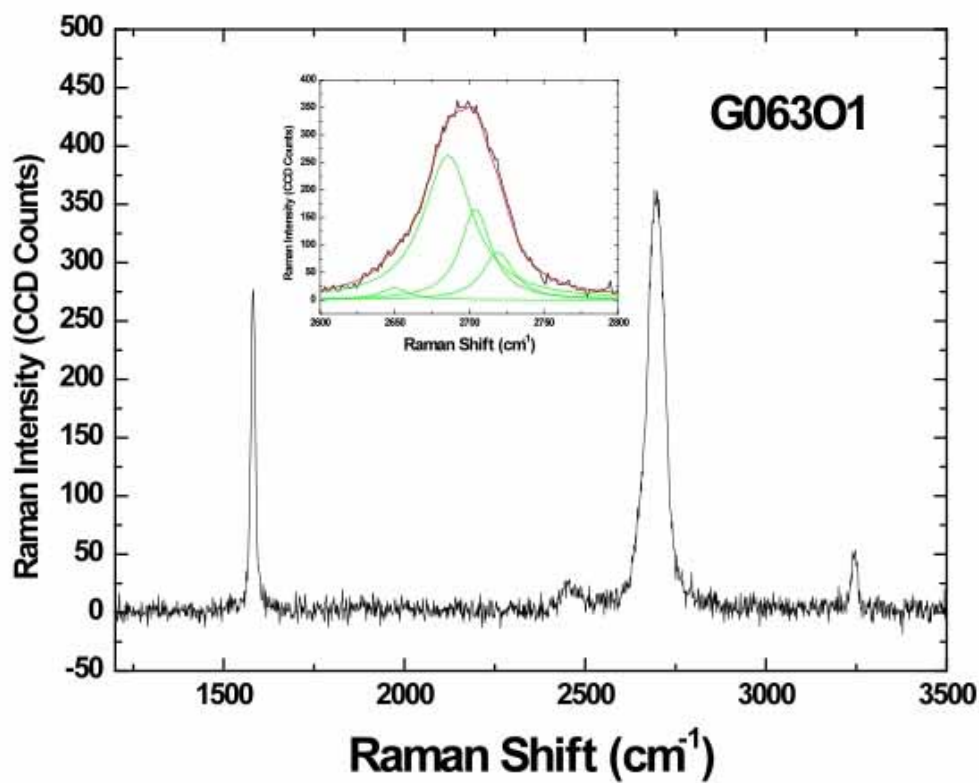


Figure S4 shows the full Raman spectrum of the bilayers flakes featured in Figures 2 and 3 of the main text. The inset shows peak fitting of the 2D band, which serves to indicate the double layer structure.