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Supporting Information

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# **Fine-Tuning of Relative Metal–Metal Distances within Highly Ordered Chiral 2D Nano-Patterns**

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The following figures show results from STM measurements which are not presented in the publication as images but mentioned in the text.

### Pd1

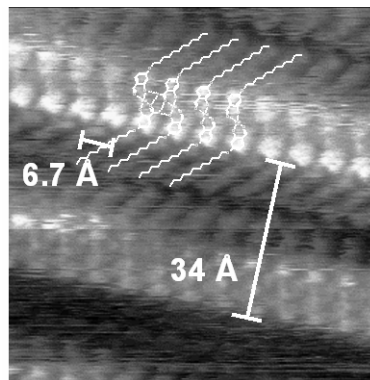
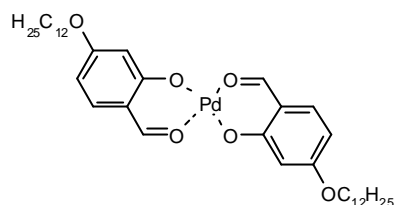


Image area:  $7.8 \times 7.8 \text{ nm}^2$ ,  $V_{set} = -0.69 \text{ V}$ ,  $I_{set} = 14.6 \text{ pA}$

### Cu1

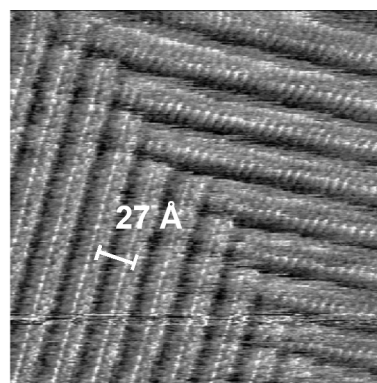
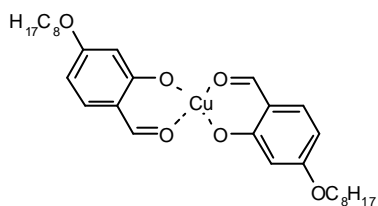


Image area:  $25 \times 25 \text{ nm}^2$ ,  $V_{set} = -349 \text{ mV}$ ,  $I_{set} = 28.2 \text{ pA}$

### Cu3

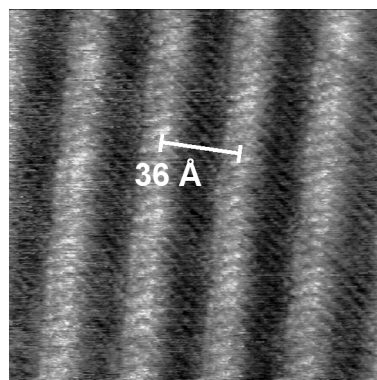
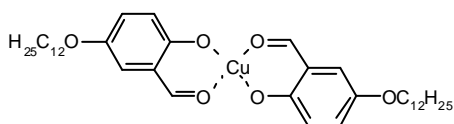


Image area:  $19 \times 19 \text{ nm}^2$ ,  $V_{set} = -0.51 \text{ V}$ ,  $I_{set} = 24.4 \text{ pA}$

### Cu8

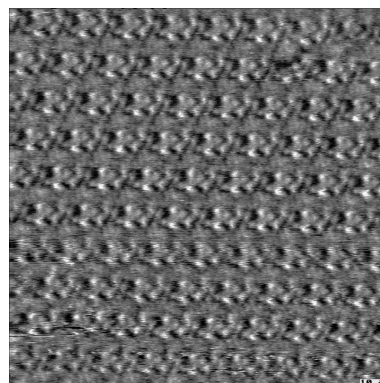
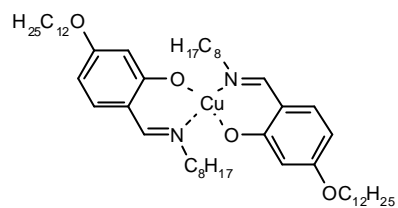


Image area: 15 x 15 nm<sup>2</sup>,  $V_{set} = -0.91$  V,  $I_{set} = 31.0$  pA

### Pd3

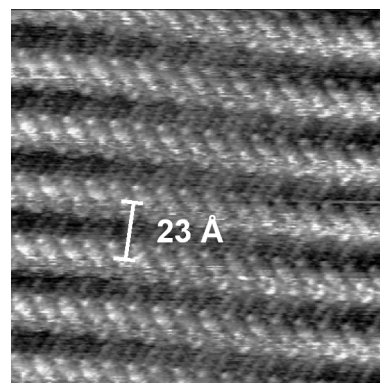
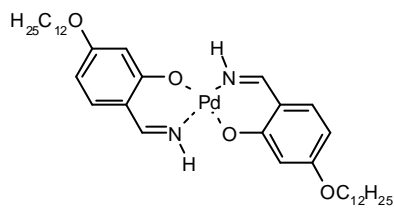


Image area: 15 x 15 nm<sup>2</sup>,  $V_{set} = -65$  mV,  $I_{set} = 48.6$  pA