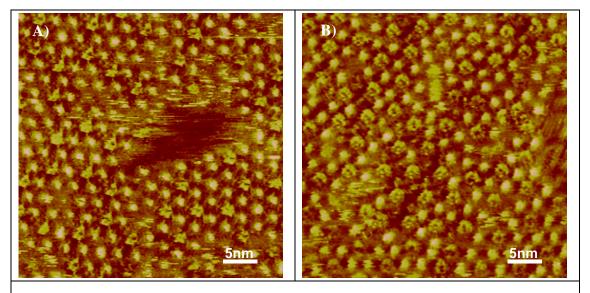
## **Supporting information for**

## Single molecule studies of cyclic peptides using molecular matrix at liquid/solid interface by scanning tunneling microscopy

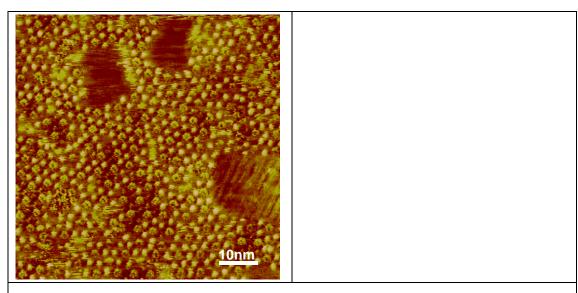
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**Figure S1.** (A) STM image of CsA molecules included in StOF-COOH<sub>3</sub> molecular matrix (40.0 nm  $\times$  40.0 nm). Tunneling conditions: I = 48.8 pA, V = 949.7 mV. (B) STM image of CsA-Mg<sup>2+</sup> complexes included in StOF-COOH<sub>3</sub> molecular matrix (40.0 nm  $\times$  40.0 nm). Tunneling conditions: I = 60.0 pA, V = 912.8 mV.



**Figure S2.** Large scale STM image of CsA-Mg<sup>2+</sup> complexes included in StOF-COOH<sub>3</sub> molecular matrix (70.0 nm  $\times$  70.0 nm). Tunneling conditions: I = 60.0 pA, V = 912.8 mV.