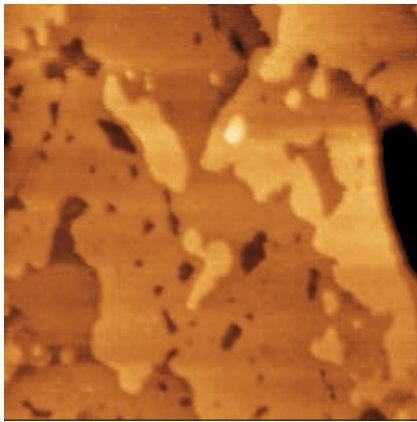


STM study of evaporated Au (111) thin films

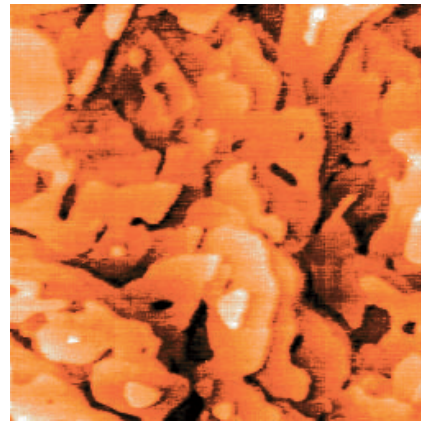
Nanosurf® STM Application Note

Very flat thin films of (111) oriented gold have been prepared using the template-strip method described by Hegner et al. (Surf. Sci. 291 (1993) 39-46). The images show flat terraces with steps having the height of one monolayer gold.

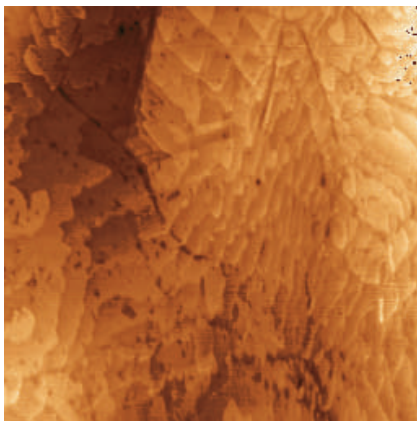
STM measurements on Gold thin films (raw data)



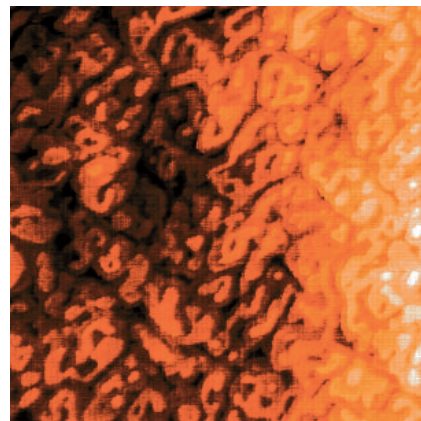
scan size: 200 nm



scan size: 200 nm



scan size: 200 nm



scan size: 200 nm

The STM images were taken under ambient conditions using mechanically prepared Pt-Ir tips. Typical tunneling parameters of 1nA tunneling current and 0.6V GapVoltage were applied.