# Stacking Fault Tetrahedra in Gold

This micrograph shows what you find when you quench **Au** from high temperature, trying to [quench in](#) the thermal equilibrium vacancies.
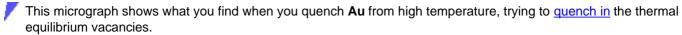
- The vacancies had enough time to agglomerate to some extent, and their preferred form of agglomerate - as in many other **fcc** crystals - are **stacking fault tetrahedra**.