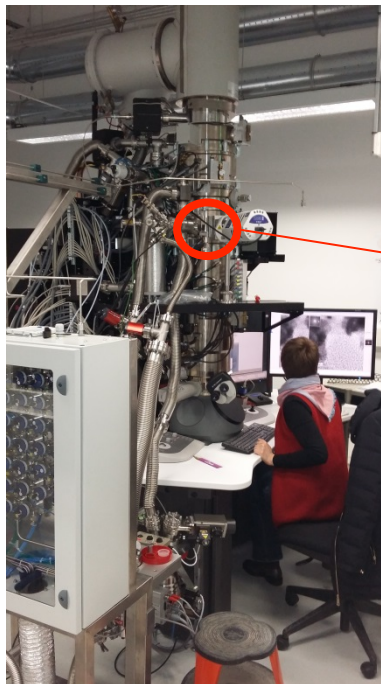


# NanoMAX: seeing the nanostructures growing atom by atom

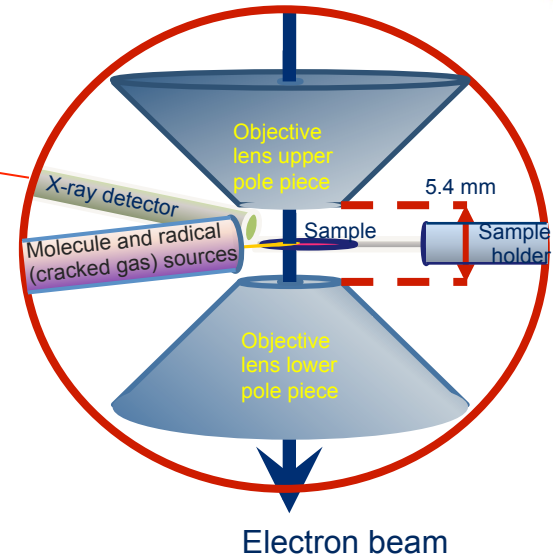
**Nano-objects** (nanoparticles, semiconductor or metal nanowires, carbon nanotubes...) will play an increasing role in post-Moore microelectronics. Their properties (electrical, optical) intimately depend on their atomic structures and shapes.

The goal of the **NanoMAX** project is to understand how those objects acquire their structures and shapes when they receive the atoms used to make them.

To this end, **NanoMAX** uses a unique ultra-high resolution transmission electron microscope where matter beams (atom, molecule or radical beams) are aimed at the sample *in situ* while atomic resolution observations are made and movies are recorded.



Equipement d'excellence  
**TEMPOS**  
Transmission Electron Microscopy at Palaiseau Orsay Saclay



**NanoMAX**  
"Seeing the nanostructures growing atom by atom"

