

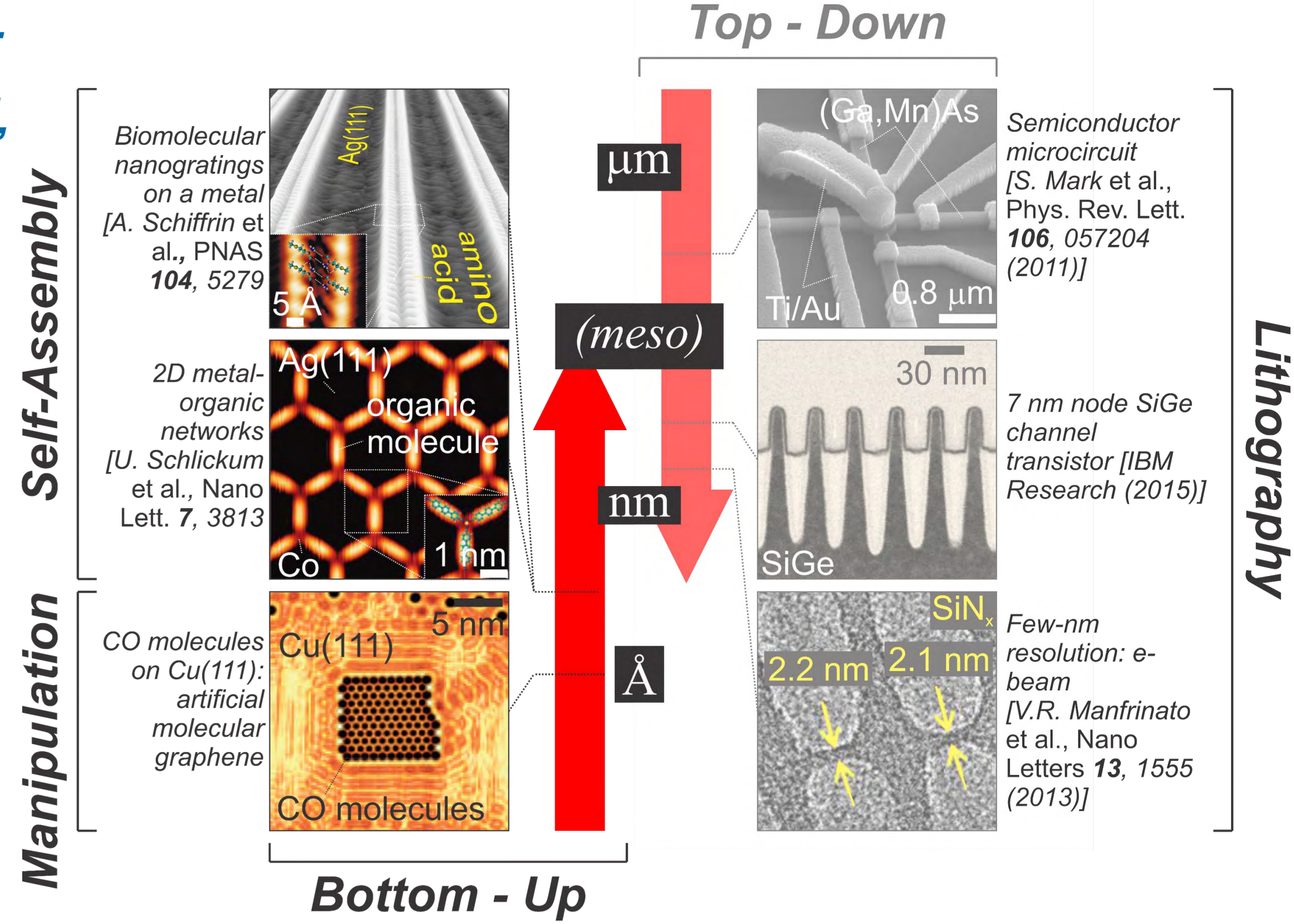
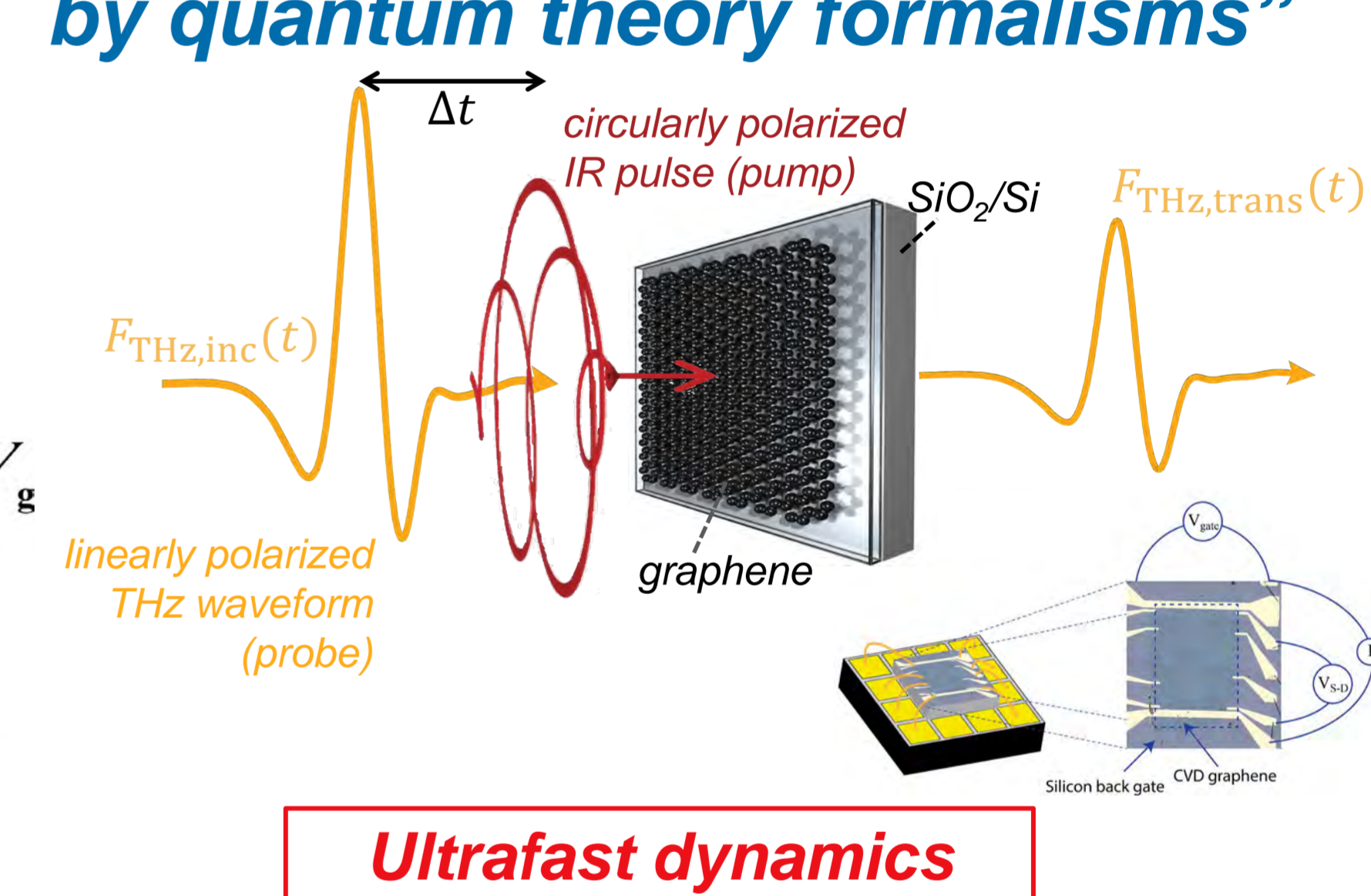
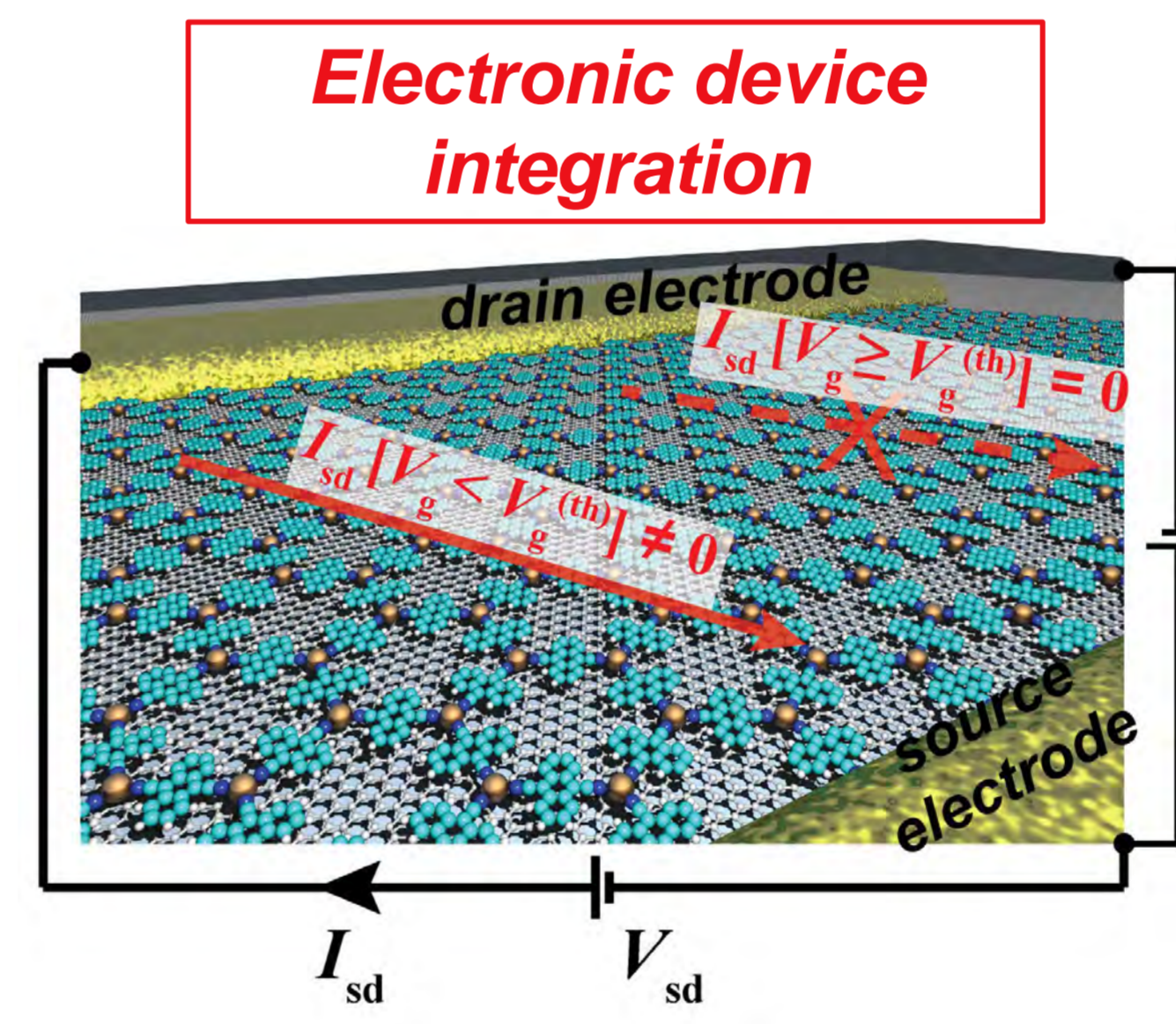
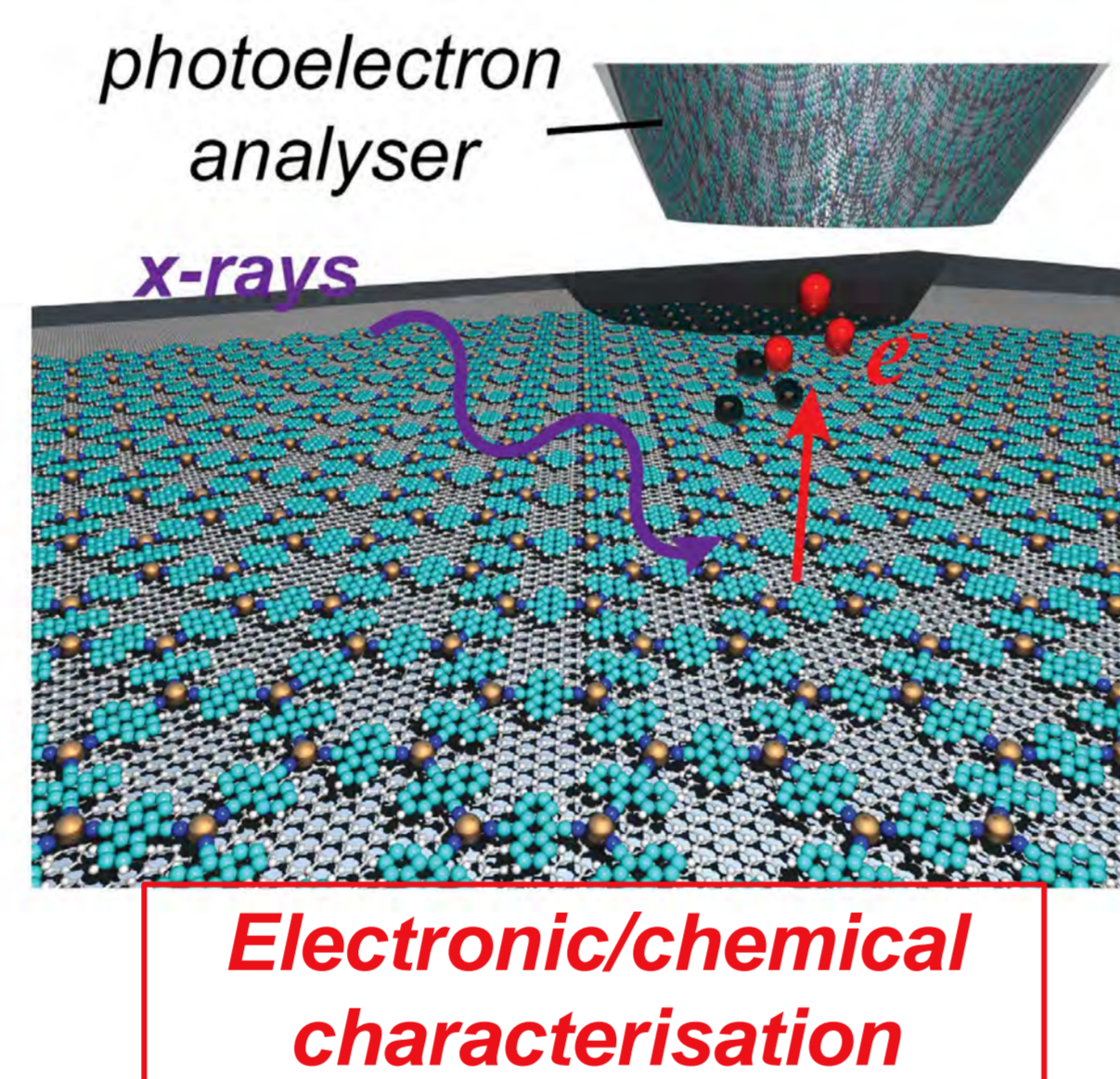
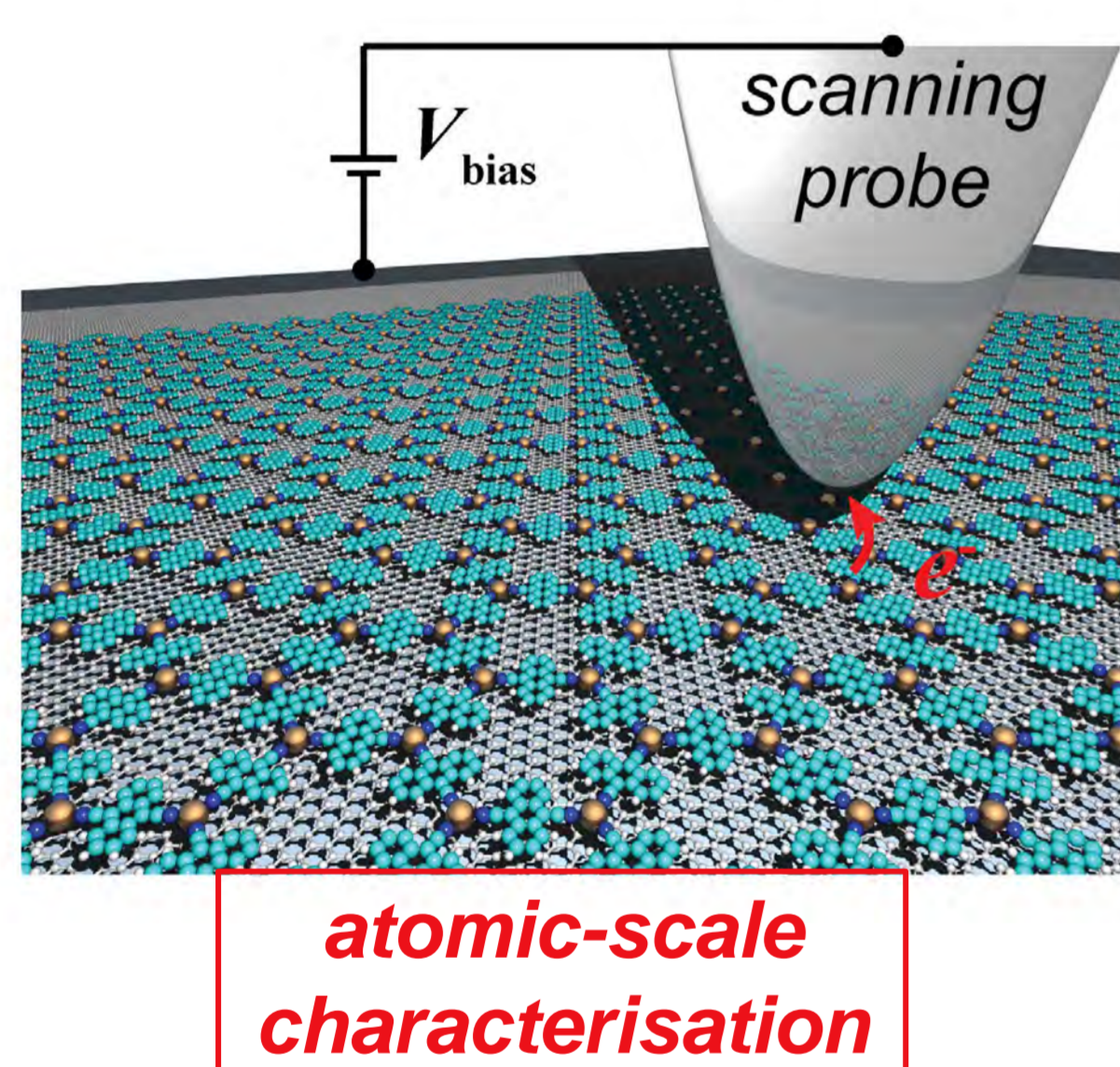
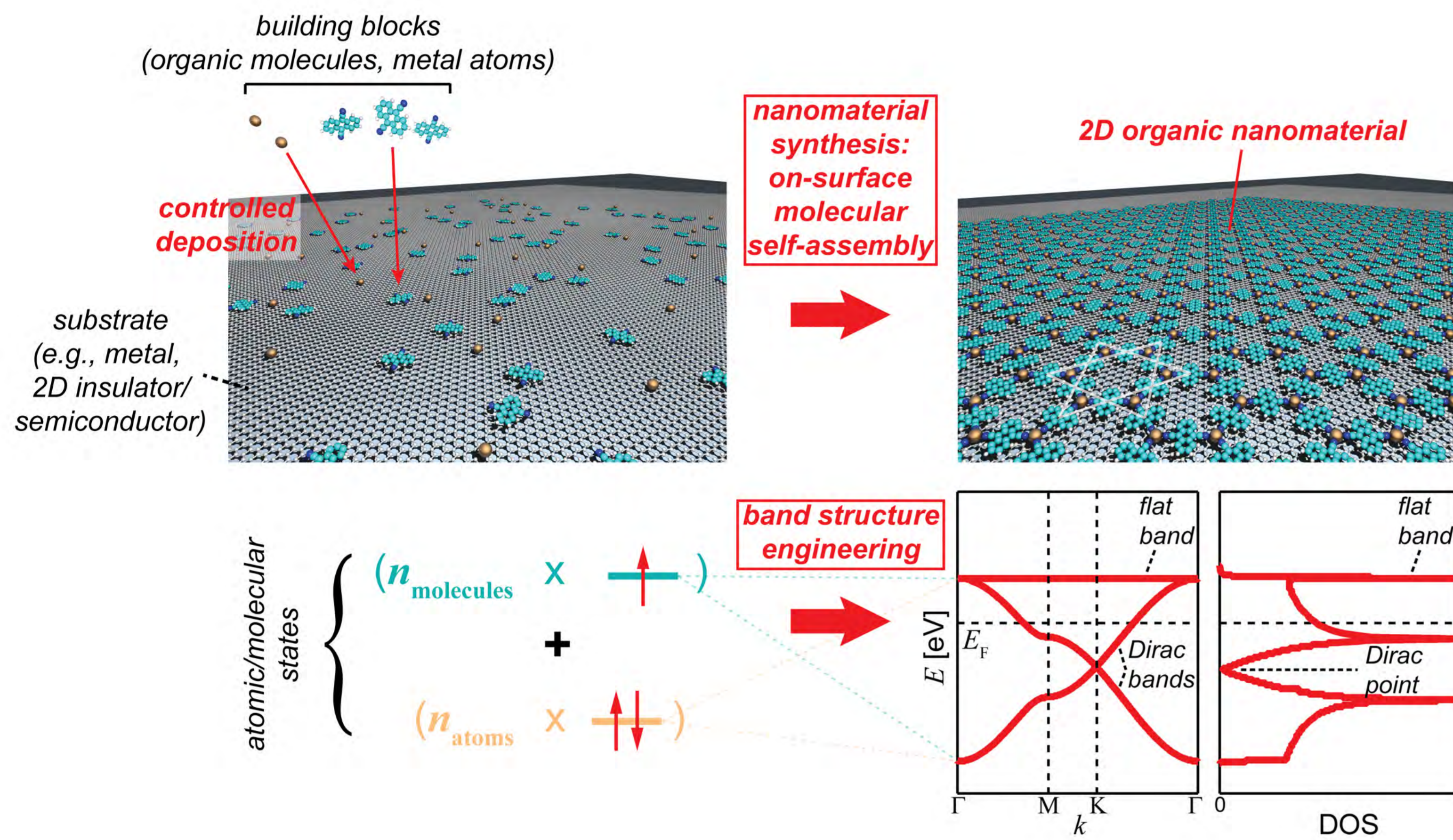
Laboratory of Solid-State and Surface Nano-Physics

School of Physics and Astronomy, Monash University, Melbourne, VIC 3800, Australia
ARC Centre of Excellence for Future Low-Energy Electronics Technologies

“Engineering functional low-dimensional quantum materials with atomic-scale precision”

“We synthesise and characterise atomically precise, low-dimensional nanomaterials with tailored quantum (i.e., electronic, optoelectronic, magnetic, chemical) properties”

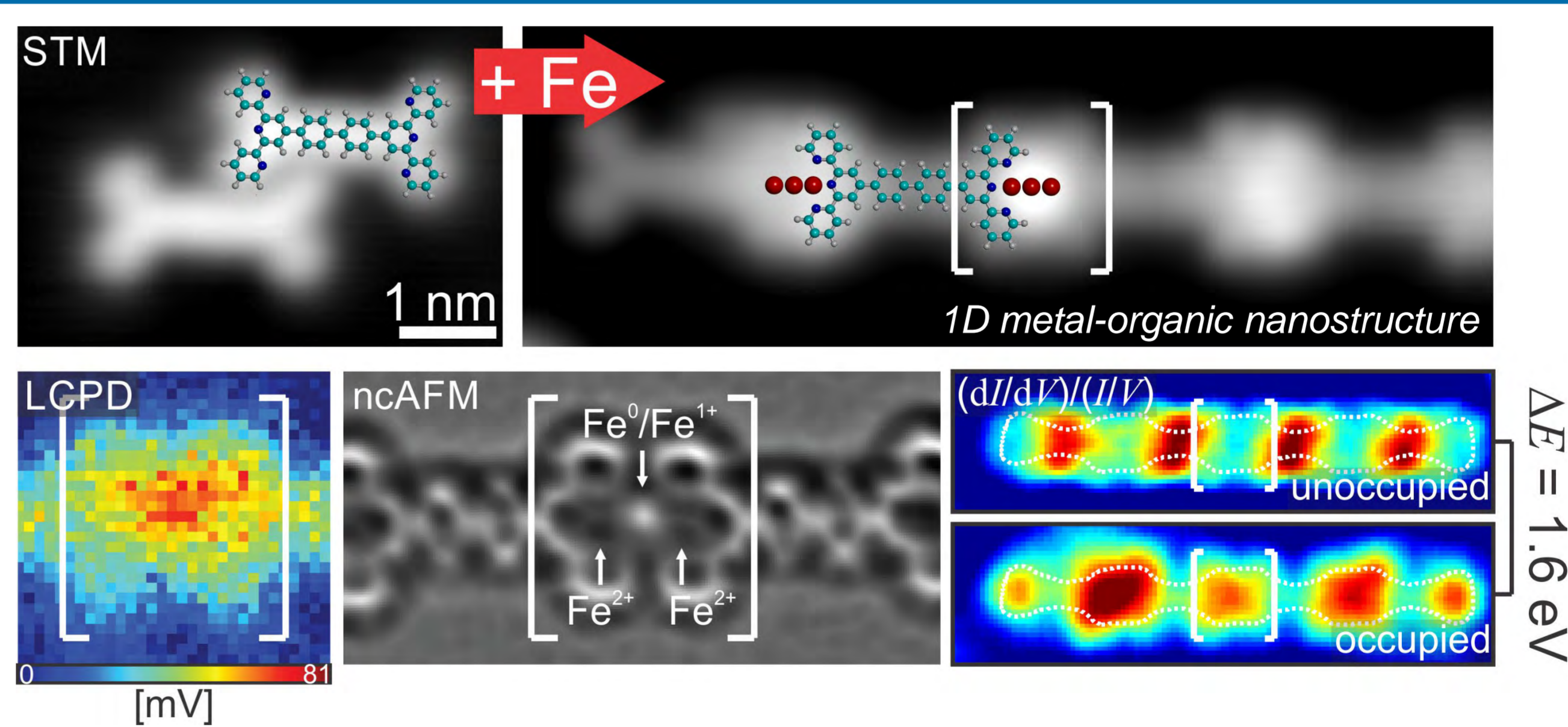
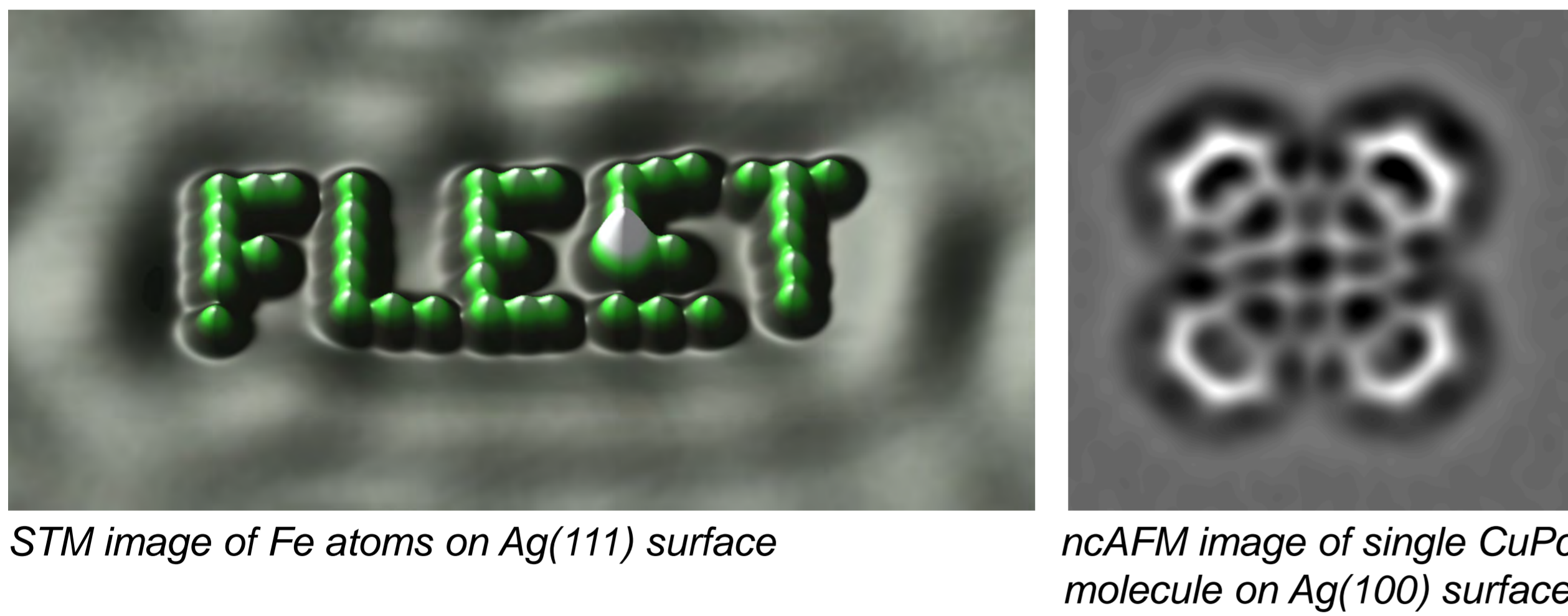
“We use supramolecular self-assembly and metal-organic coordination on surfaces for the design of functional electronic quantum nanomaterials”



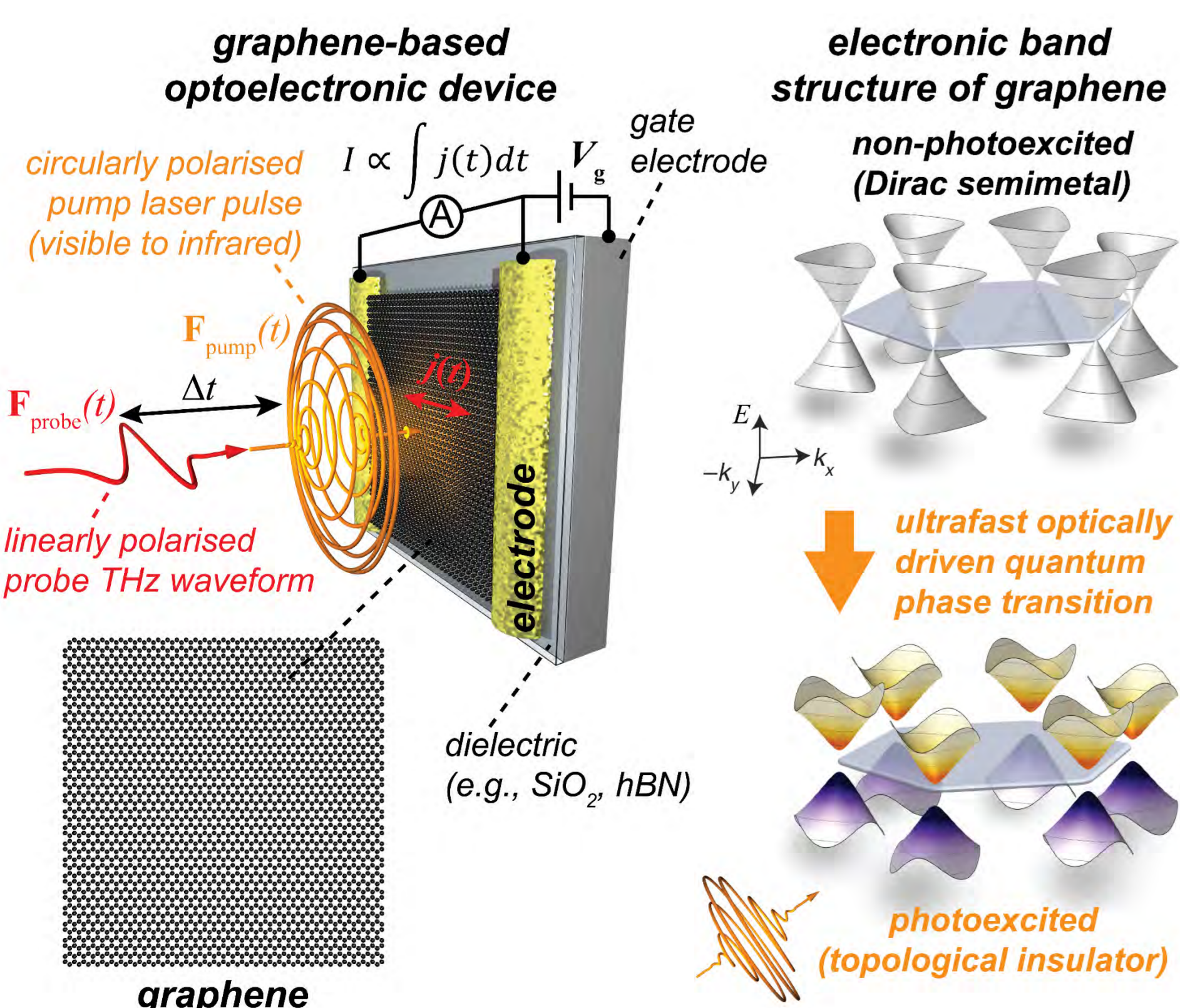
“We characterise atomic-scale structural and (opto)electronic properties via low-temperature scanning probe microscopy (STM, STS, ncAFM), synchrotron-based x-ray techniques and time-resolved optical spectroscopies. Our experiments are supported by quantum theory formalisms”

“We study...”

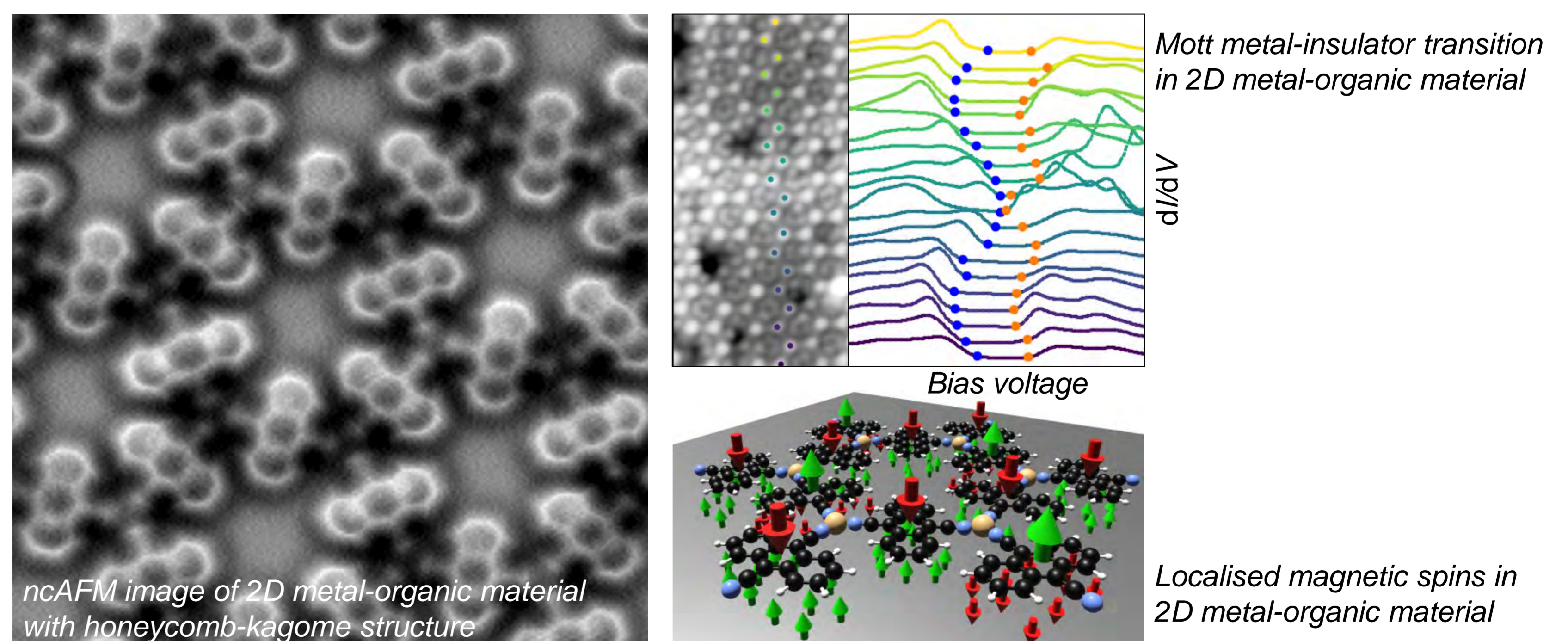
“...atoms and molecules on surfaces...”



“...organic and metal-organic nanostructures and hybrid nanomaterials...”



“...ultrafast dynamics and optically controlled quantum phases in 2D materials”



“Our Team...”

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Post Doctoral Research Fellow