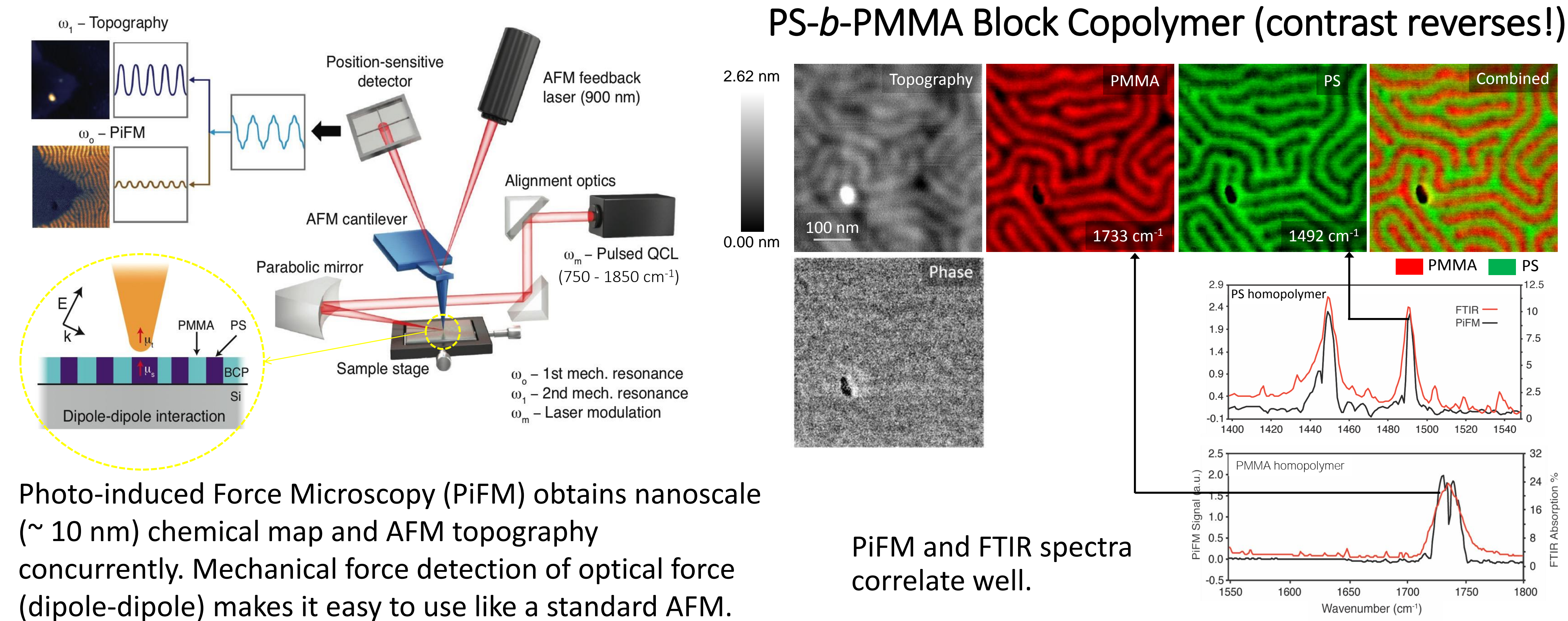


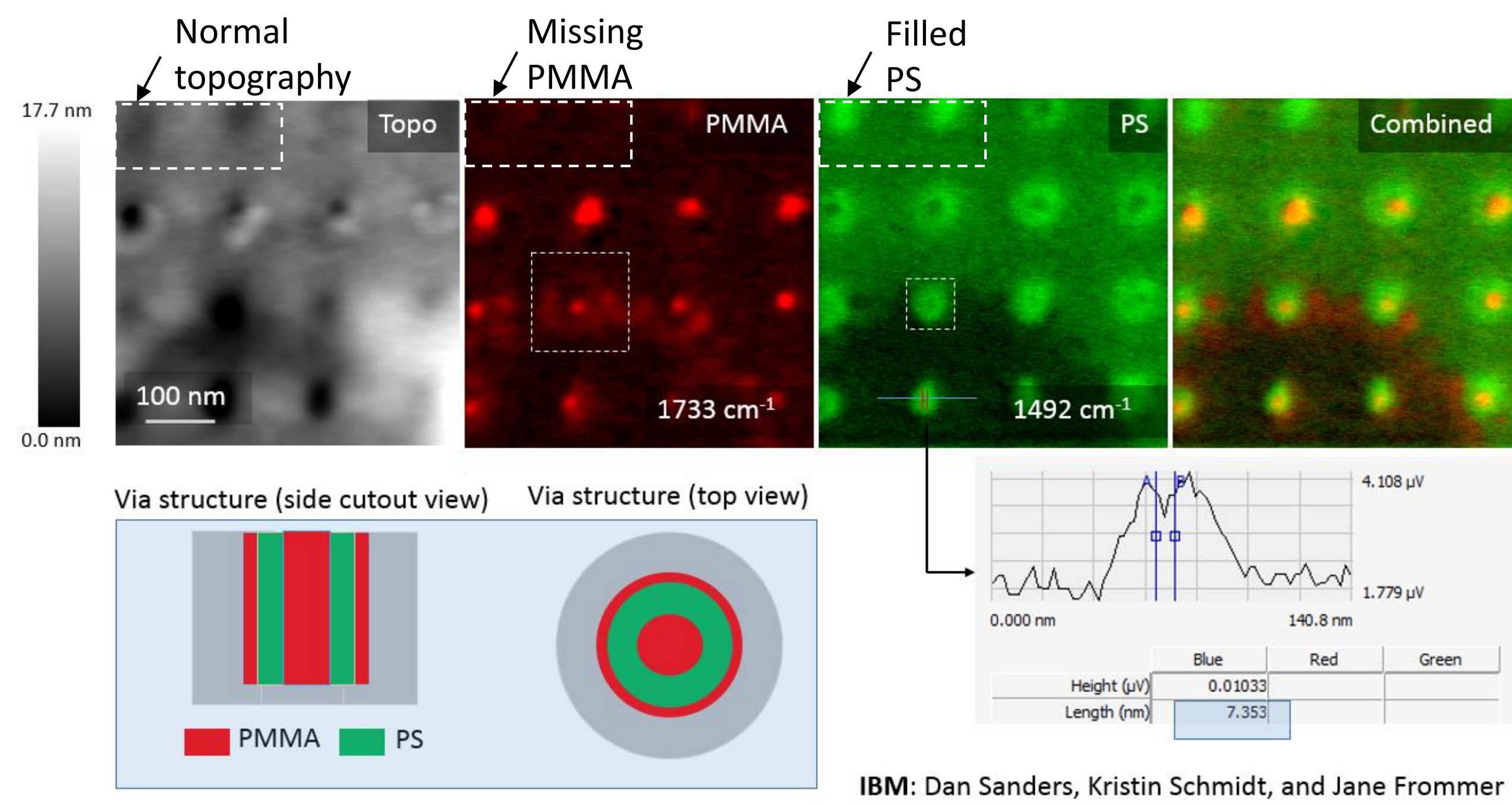
# Nanoscale Chemical Imaging with Infrared Photo-induced Force Microscopy

Sung Park, Derek Nowak, and Thomas Albrecht, Molecular Vista, Inc.

## Vista-IR – Nano-Chemical Analysis via PiFM (AFM + IR)

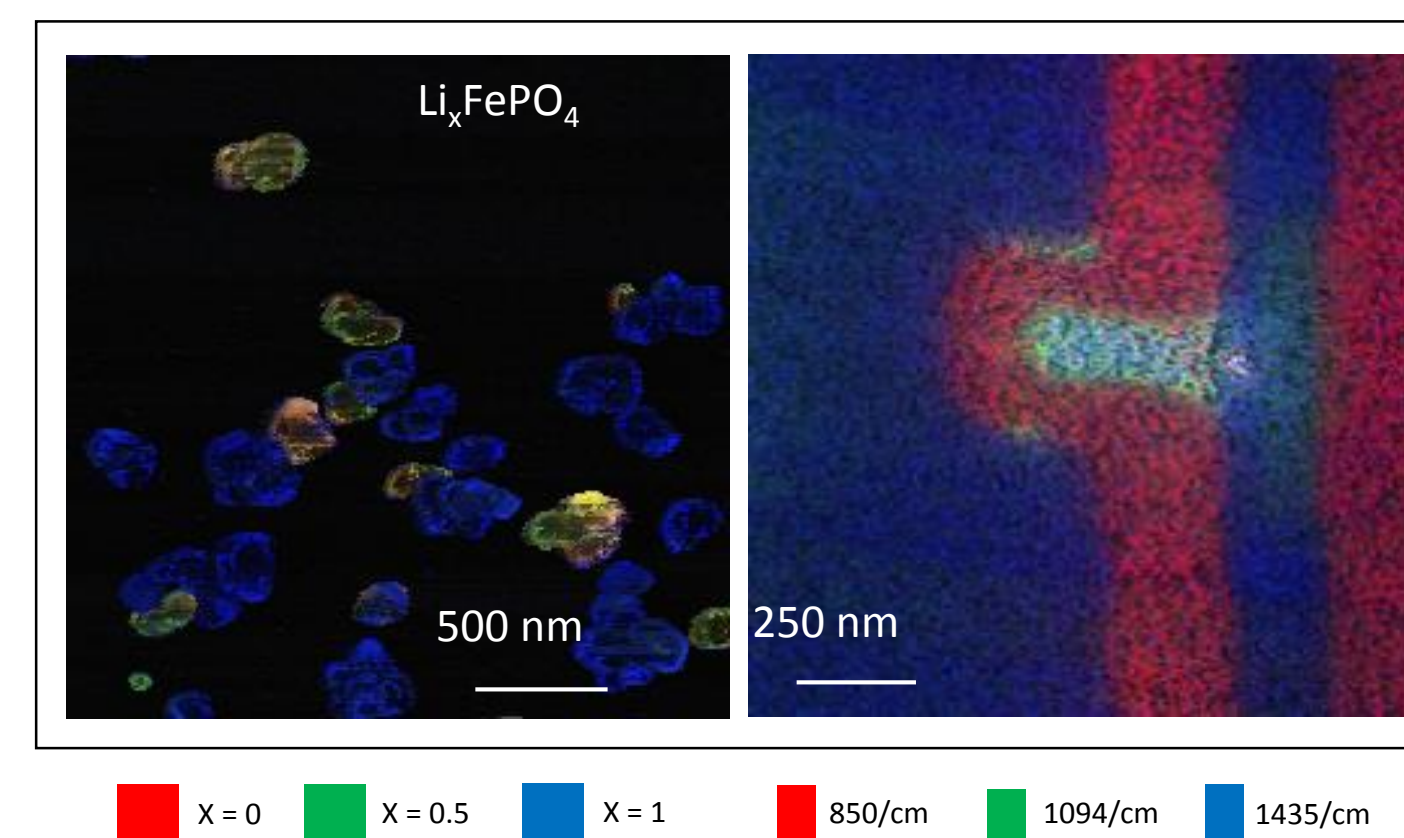


## PS-*b*-PMMA Via Structure

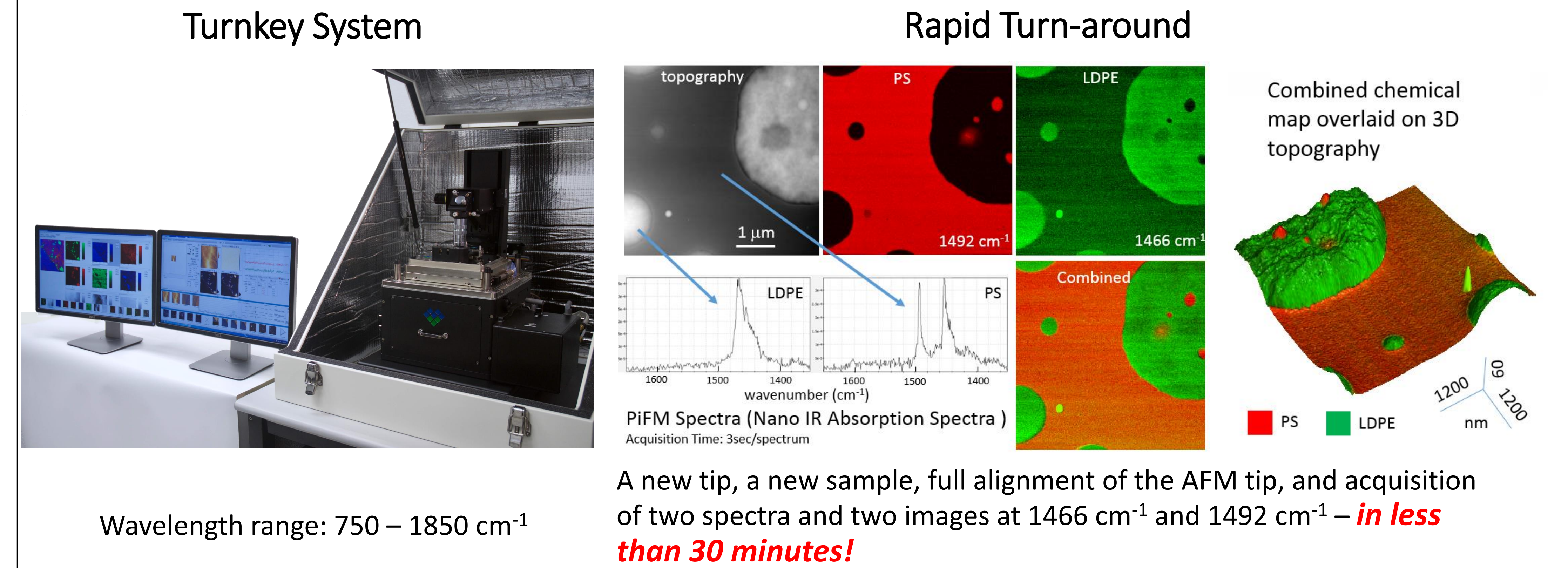


## Nano Chemical Analysis of Inorganics

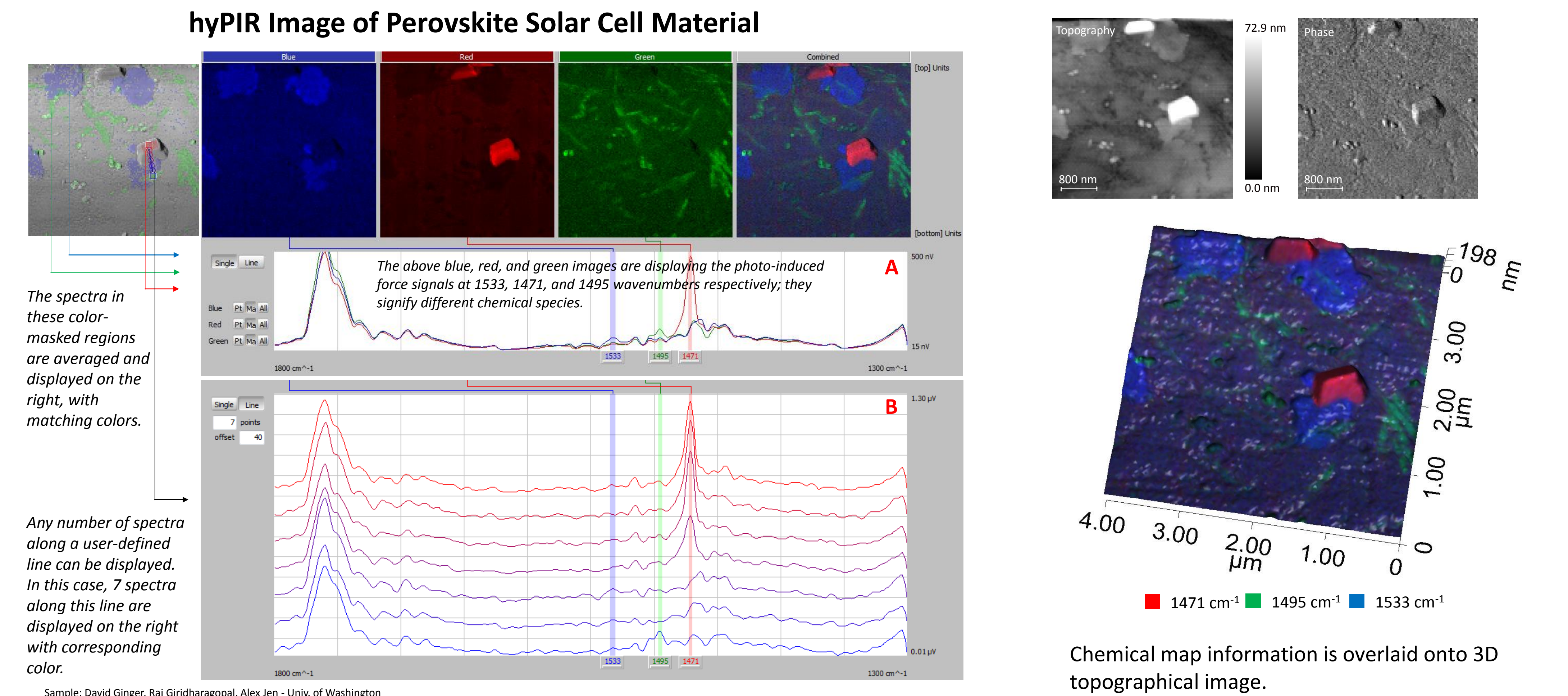
Nanoscale chemical mapping of inorganic materials based on their IR vibrational modes.



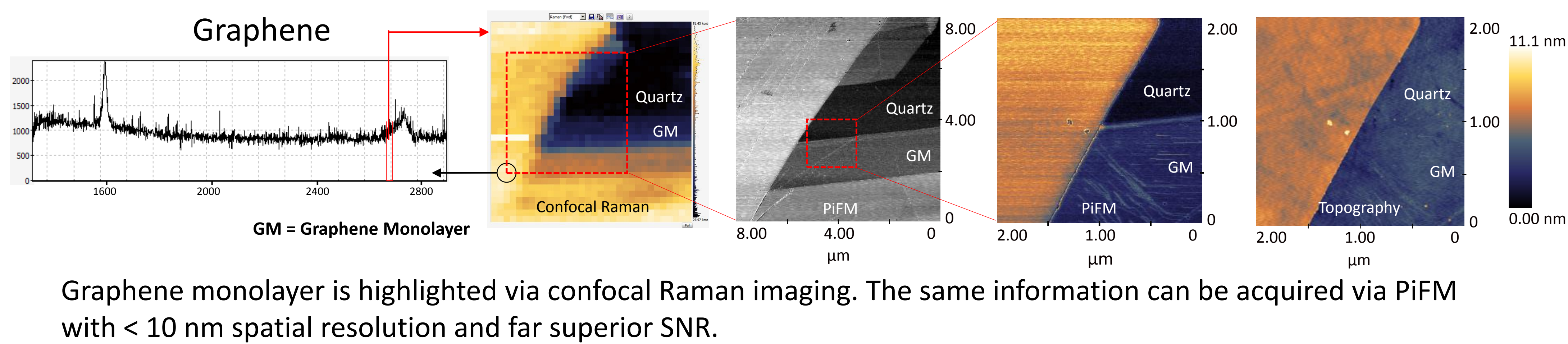
## Vista-IR – Easy-to-use “Nano-FTIR” Imaging



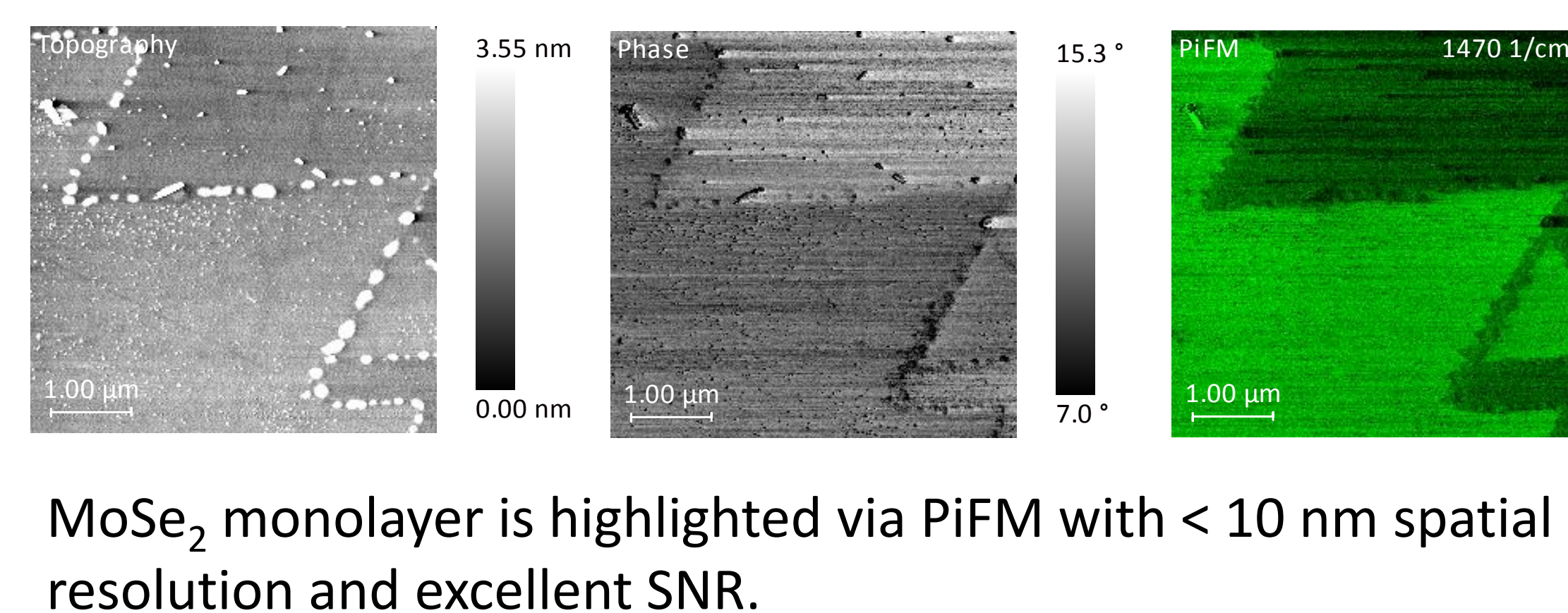
## hyPIR (Hyperspectral PiFM IR Imaging) – PiFM Spectrum at Each Pixel



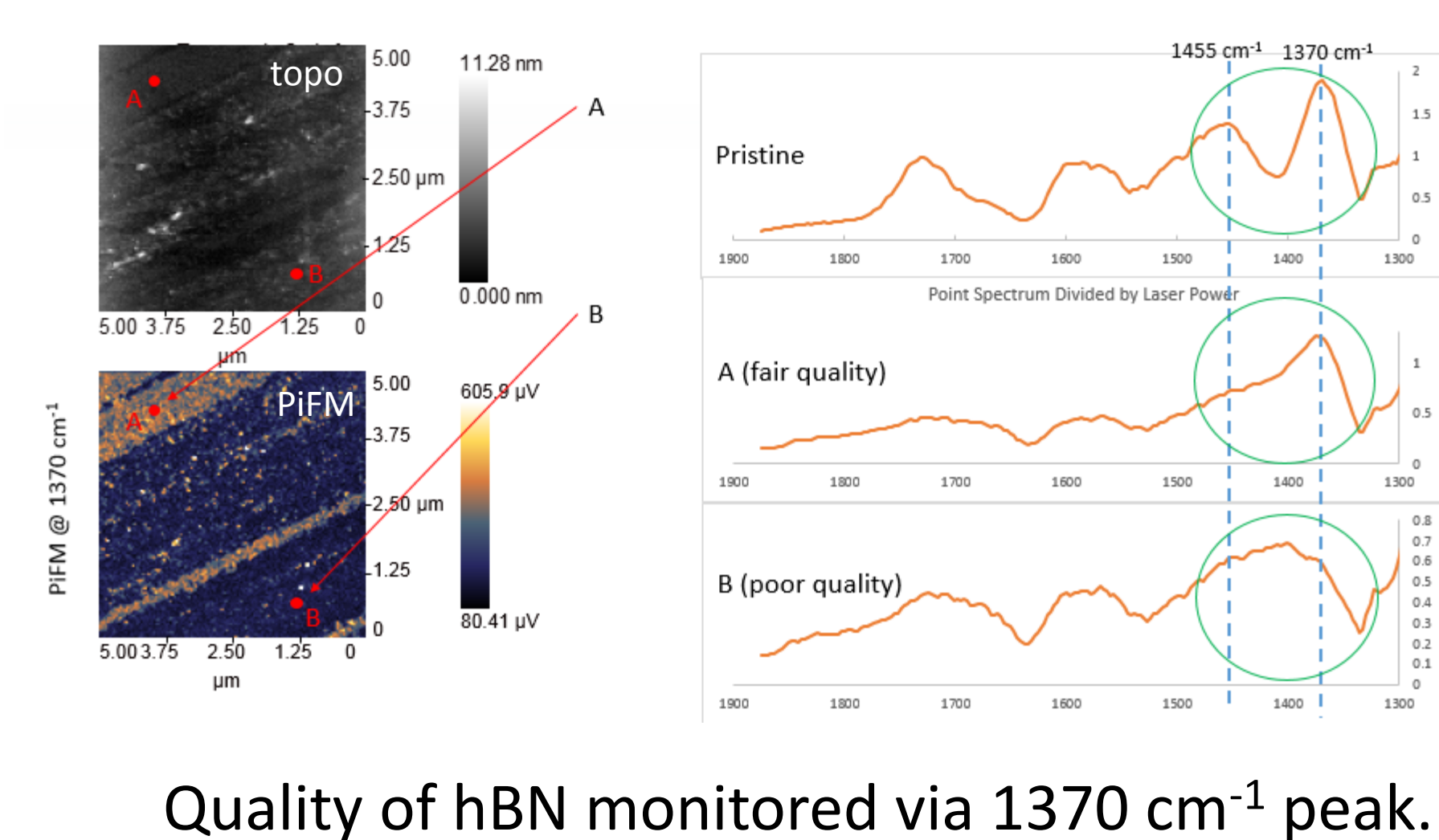
## Collocated Confocal Raman, Nanoscale IR (PiFM), and AFM



## MoSe<sub>2</sub>



## Processed hBN



## Nanoscale Vis/IR Spectroscopy & Imaging on 1D/2D Materials

### Nanoscale Identification of MoS<sub>2</sub> Layers and Defects

