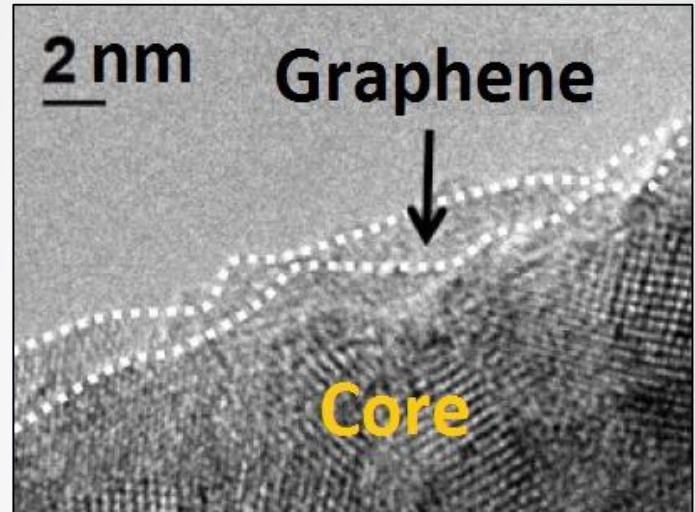
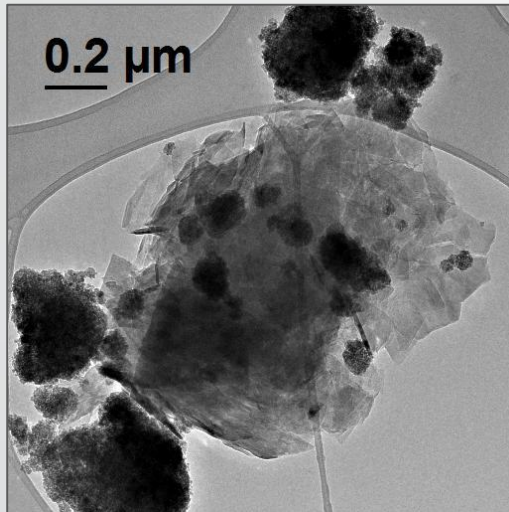


HyperGraph™

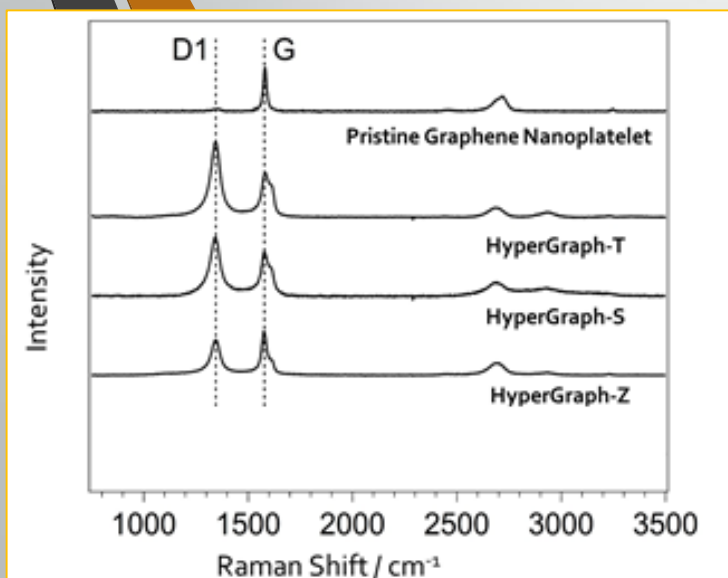


HyperGraph™ stands for a broad class of composites based on graphene nanoplatelets (GNP) supported by nanoparticles (core)



The core-shell structure is achieved by a versatile top-down approach producing:

- ✓ structural and morphological changes of the pristine GNP (lateral size, stacked layers, SSA)
- ✓ engineered properties of GNP (D1/G peak ratio) leading to feasible functionalization with specific agents



Dispersions of HyperGraph™



- ✓ Stable up to 32 mg/ml in polar solvent mixture without stabilizing agents
- ✓ Customized inks are also viable

