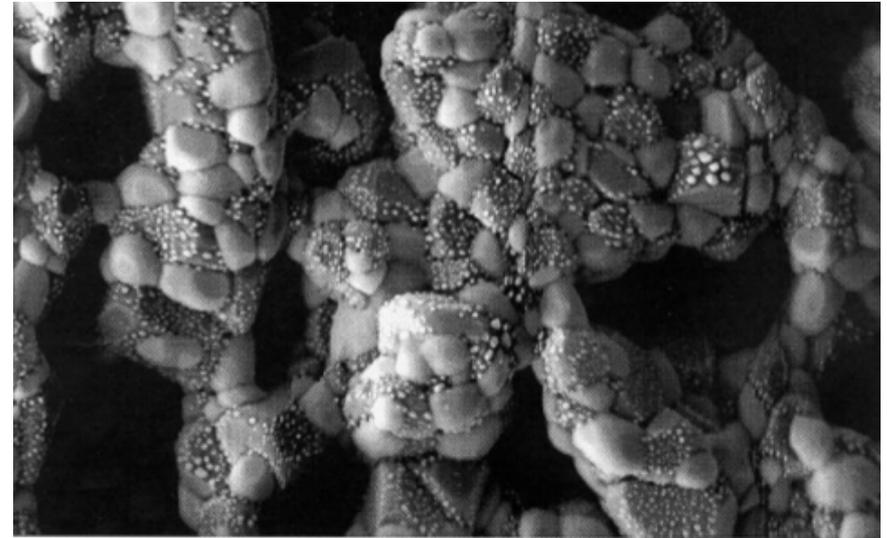


The aim of this EFRC is to establish foundations of understanding and control science that enable the prescriptive design and ordered synthesis of the local compositions, interfaces, and morphology of heterogeneous material systems for specific functional behavior and system performance.



RESEARCH PLAN AND DIRECTIONS

The greatest challenge to designing the functionality of nano-structural configurations of active phases is to understand “what the picture should look like.” We will use science to bridge the gap between multi-scale analysis and nano-synthesis methodologies to design and create new functional material systems.