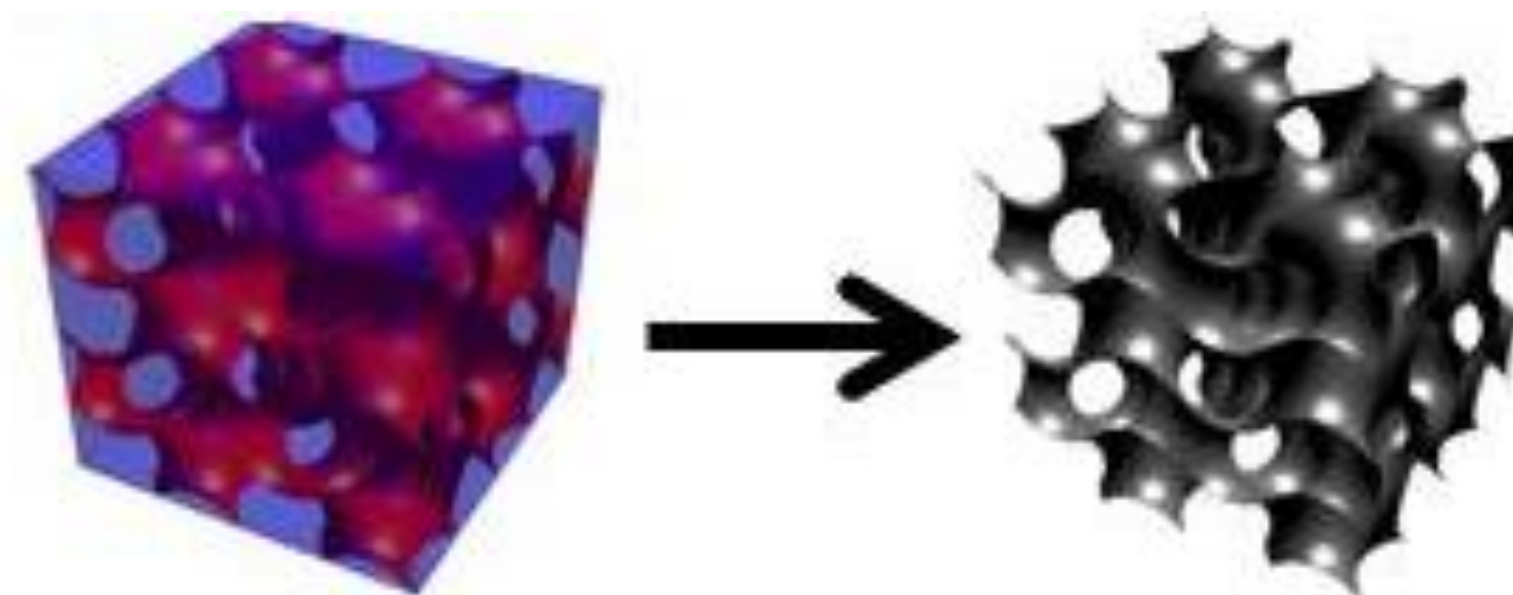
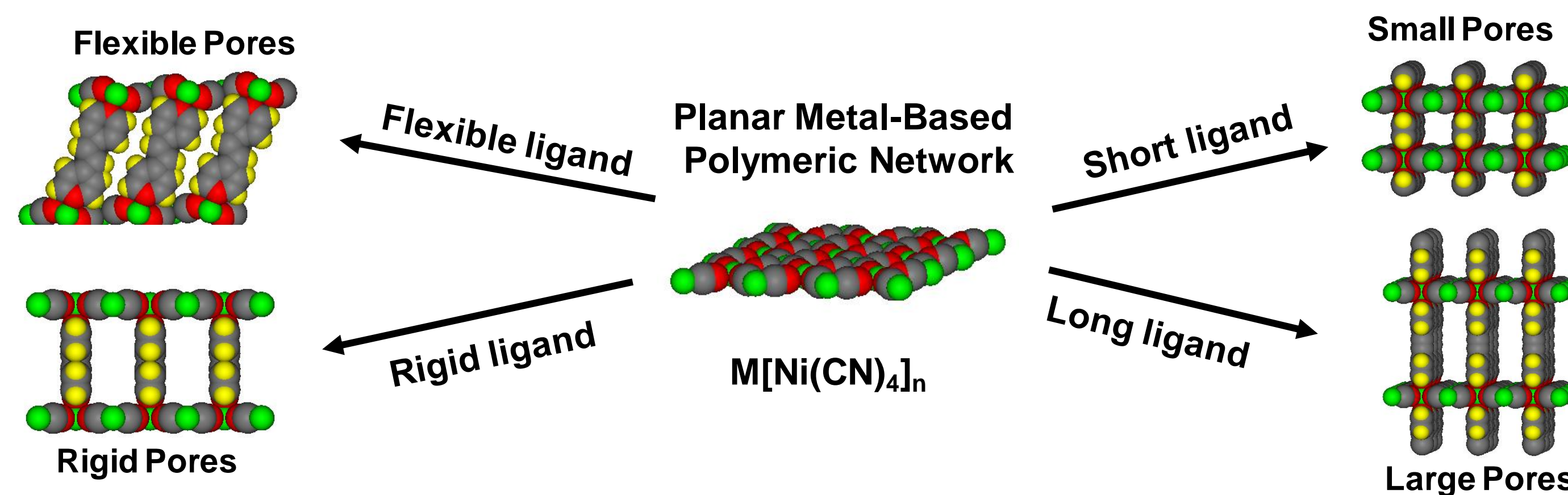


## Technology/Capability Overview

- Ionic liquids, polymers, metal-organic frameworks, and composite materials have a huge range of applications across a vast array of technology areas
- The NETL-RUA has substantial facilities and expertise which may be used to create new materials of these types with properties tailored to the specific application



## Benefits to Partner

- The NETL-RUA offers one stop shopping for all your materials development needs
- The integrated nature of the NETL-RUA allows industry to seek answers with a single point of contact rather than attempting to assemble project teams across disparate organizations and disciplines
- Through internal collaborations with the universities and partnerships with external groups, the organization is in a position to bring huge capabilities and expertise to bear on material development needs
- NETL provides tremendous engineering knowledge of most energy-related applications

## Industry Significance

- NETL-RUA utilizes a highly targeted results based approach to materials development which is designed to yield new materials with the minimum possible investment of time and resources
- NETL-RUA researchers operate in multi-discipline teams which consist of molecular modelers, synthetic chemists, fabrication engineers, characterization experts, and systems analysts. The combinations of all these skill sets leads to creativity in the creation of new concepts and innovative solutions



## Opportunity

- Seeking companies to fund targeted research which addresses their materials needs
- Seeking company to purchase or license existing patents

## Development Status

- Research teams ready to be deployed in ionic liquid, metal-organic framework, polymer, and composite material development
- Multiple patents available for licensing in these areas

## Contact

Dave Luebke, NETL, [David.Luebke@netl.doe.gov](mailto:David.Luebke@netl.doe.gov)