



## David Keffer

### I Experiment, Therefore I Compute

Experimentation and computation are inextricably linked in many if not most research projects of our time. But what is critical to success—and far less obvious—is how essential communication becomes among members of an interdisciplinary team who engage in this joint enterprise. Number-crunching modelers can only simulate and accurately compare data if they understand the experimentation of their colleagues.

David Keffer and his computational team provide experimentalists at ORNL with proven, molecular-level guidance to understanding the fundamental relationship between nanostructure and lithium-ion conductivity in new carbon-fiber anodes that will transform battery technology.

