Progress in moving scientific discovery into battery technologies: The risk and the opportunity.

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In the energy storage research field, we have seen a blossoming of research both in materials discovery and materials and device engineering. In recent years this growth in research is complemented by rapid hunger for and progress in manufacturing quality and quantity of new battery technologies for the growing needs of commercial applications. This massive growth in commerce represents both great risk and enormous opportunity for research teams across the globe. The speaker will address the historical perspective of the kind of world-changing research and technology development that the battery field represents, and apply lessons learned for how research in lithium ion and beyond-lithium-ion batteries can best be balanced to ensure success for individual researchers and corporations alike.