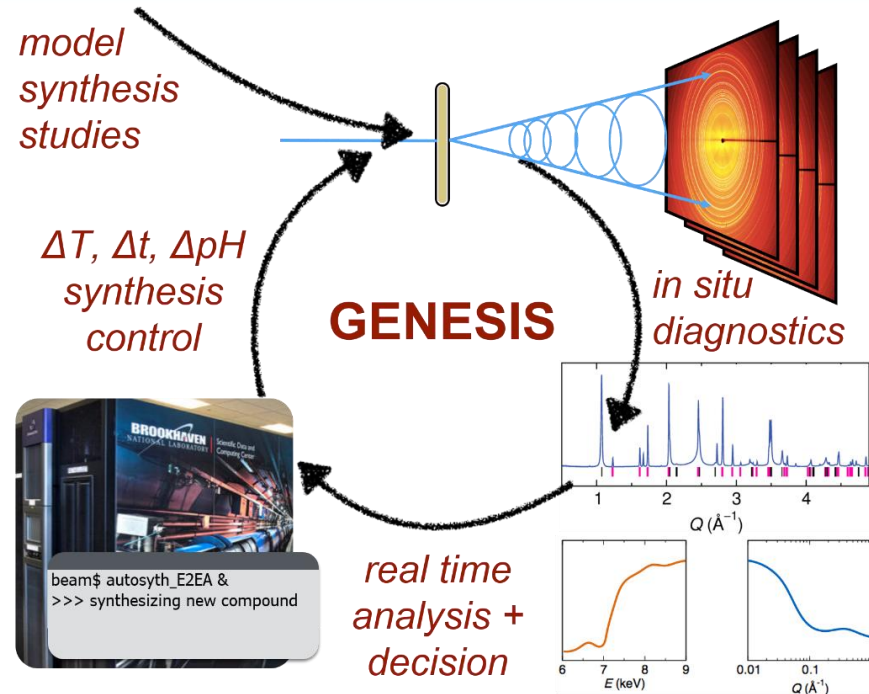


# A Next Generation Synthesis Center (GENESIS)

John Parise (Stony Brook University); Class: 2018-2022

**MISSION:** To develop a new paradigm for synthesis that accelerates the discovery of materials, by understanding how key structural and chemical transformations during synthesis are governed by the synthesis variables.



<https://www.stonybrook.edu/genesis/>

## RESEARCH PLAN

GENESIS will accelerate the mapping of reaction space by integrating advanced in situ diagnostics and data science tools to interrogate, predict, and control reaction pathways. This will enable guided navigation of the pathways leading to new functional material targets.



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A NEXT **GENERATION**  
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