Analytical Instrumentation, Methods & Materials

COMPOSITIONS AND METHODS FOR PREPARATION OF A CRYOGENIC ELECTRON MICROSCOPY SAMPLE

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The Invention

A UW-Madison researcher proposes a new strategy that uses small, stress-response proteins to preserve fragile samples during cryo-EM SPA sample preparation. The figure below illustrates the general sample preparation system, commonly used cryo-EM grids, and ideal, typical, and rescued samples prepared with the sacrificial stress-response proteins of the present invention. The rescued samples are able to be imaged using standard cryo-EM techniques without any additional processing or handling steps.

Publications

- Read a news story about this technology.

Tech Fields

- Analytical Instrumentation, Methods & Materials : Microscopy

For current licensing status, please contact Jennifer Gottwald at jennifer@warf.org or 608-960-9854

Figures