

How the Cell Keeps Misdelayed Proteins From Causing Damage in the Cell Nucleus

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In their research on protein quality control, Heidelberg scientists gained new insights into how the cell keeps proteins misdirected into the cell nucleus from causing damage. Their investigations focussed on a complex apparatus on the inner nuclear membrane that detects and marks the misdelivered proteins. In an international cooperation with researchers from France, Sweden and Canada, the team under the direction of Prof. Dr. Michael Knop at the Center for Molecular Biology of Heidelberg University (ZMBH) demonstrated how the cellular “waste disposal service” is triggered in this process.

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