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The U.S. journal Molecular and Cellular Proteomics has made an article published by Nobel Laureate Andrew Fire available free to the public.

In the journal paper, Fire and colleagues report on their development of an assay that allows them to observe the interactions between proteins in vivo.

The article, which appears in the November issue of the journal, is entitled "A Differential Cyto-localization Assay for Analysis of Macromolecular Assemblies in the Eukaryotic Cytoplasm."

Fire was awarded the 2006 Nobel Prize in Physiology or Medicine along with Craig Mello for their discovery of RNA interference (RNAi).

The researchers tested the assay in *C. elegans*, using it to probe interactions among proteins involved in RNA interference (and nonsense mediated decay, or NMD pathways. Several previously documented interactions were confirmed with the assay and many new ones were observed.

Fire and colleagues also used the assay to test a subset of the RNAi and NMD interactions in animals mutant for proteins central to each mechanism and were able to identify several key associations that occurred in the improperly functioning processes.

The article can be found at Bethesda, Md., organization's Web site: mcponline.org.

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