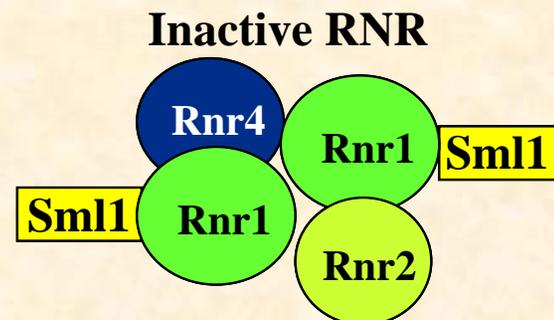


# Structural Characterization of the Sml1-RnR1 Complex from *Saccharomyces cerevisiae*

- **Purpose:**

- An important facet of understanding how DNA checkpoint proteins function in yeast involves a systematic study of the structure and interactions of the Sml1-RnR complex.
- State-of-the-art mass spectrometric approaches based on FT-ICR-MS are used to help unravel the identities and higher order structures of the protein components of the Sml1-RnR complex.
- The longer term objective is to collaborate with colleagues to understand the structure-function relationships of important DNA repair proteins by using integrated biochemical, x-ray crystallography, small-angle neutron scattering, and mass spectrometric approaches.



- **PI: Robert Hettich**

- **Sponsor: National Institutes of Health (FY 2003-2006)**