

New RO1 (After January 25, 2010)

1. Specific Aims (1 page)
 - a. Goals of the research
 - b. Expected outcomes/impact on the research field(s)
 - c. Objectives

2-4: 12 pages

2. Significance
 - a. Importance of the problem
 - b. How the project will improve scientific knowledge, technical capability etc.
 - c. How the concepts, methods, treatments etc. are changed if aims are achieved
3. Innovation
 - a. How the application challenges/seek to shift current research
 - b. Describe novel approaches, methodologies, instrumentation etc., and any advantage over existing ones
 - c. Explain any refinements, improvements approaches etc.
4. Approach
 - a. Overall strategy, methodology and analyses
 - b. How data will be collected, analyzed and interpreted
 - c. Potential problems, alternative strategies
 - d. Address the management of any high risk aspects
 - e. Point procedures/situations/materials that may be hazardous to personnel and precautions to be exercised
 - f. New application: Add preliminary studies (essential part), PI's preliminary studies, data and experience
 - g. Renewal/revision: Include progress report, beginning and ending dates for the last competitive review; summarize the aims of previous project period and importance of findings + progress made. Explain any changes to aims and new directions due to budget reductions
 - h. No publications, patents or other printed material here (include them in Item 5)