

Outline of Selected Projects Comments by Program Committee

Host institution name	Osaka University
Title of center project	Osaka University Immunology Frontier Research Center
Chief entire-project officer	Kiyokazu Washida
Chief center-project officer	Shizuo Akira (Affiliation: Research Institute for Microbial Diseases, Osaka University ,Title: Professor)
Prospective center director	Shizuo Akira (Affiliation: Research Institute for Microbial Diseases, Osaka University ,Title: Professor)
<p><Project Summary></p> <p>The aim of Osaka University Immunology Frontier Research Center is to unveil the whole picture of dynamic immune system by employing a variety of imaging techniques to visualize the immune cells within live animals. We will attempt to improve an imaging technology, which allows us to track the dynamic behavior of immune cells and their communications more directly and understand how immune cells respond to non-self such as pathogens and cancers in vivo. Based on these basic studies, we will seek to develop new strategies for diagnosis and treatment of various diseases including infectious diseases, autoimmune diseases, allergy and cancer. To this end, we will invite about 20 world-class principal investigators to the Research Center in Osaka University as core scientists in the project and expand by forming a linkage with domestic and overseas institutions that will function as satellites.</p> <p><Remarks></p> <p>Outstanding vision is presented. Goals are exciting and suitable for WPI mission.</p> <p>This is an extraordinary team and clearly first rate. They could do some really remarkable research with funds from WPI.</p> <p>This plan presents a very exciting program and an already strong director and team. If extended with more foreign researchers, the center could achieve worldwide recognition.</p> <p>This is the best group in immunology, and their previous accomplishments have been outstanding.</p> <p>A joint effort in immunology and imaging (life science and physics) with follow-on modeling is a very good mix.</p>	

