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### Subteam for Biosignal Integration

#### Takahiro Doi Subteam Leader

##### 1. Are the proposed goals appropriate for this Team?

###### 1) Are these goals meaningful and valuable for the BRC?

Are the goals of this team in accordance with the BRC's own goal of "facilitating the finest bioresources of the global standard"?

This only deals with some mouse lines, but from now, if they deal actively with conditional KO facilities or establishment of cell lines through collaborative research with other teams, it will increase the value of resources and match the BRC's goals.

Are there defined programs or plans to accomplish their goals and to contribute to achieving the BRC's goals?

From the viewpoint of preserving personal research related to NF- $\kappa$ B, they have to enter the topics of cancer and inflammation, and if they get good results they will be able to add to the value of resources.

###### 2) Are the goals achievable within this midterm of five years?

Research which goes beyond the analysis of mouse phenotypes will probably only come after the third year, but if they collaborate with the teams focusing on each disease this goal seems achievable. After that the goals should become clearer and more consolidated.

###### 3) Are the goals proposed from the international point of view? (Do the goals lead to international leadership?)

Since there are many researchers analyzing the target genes and diseases which they are focusing on, many people are interested in these results. They have already had requests from overseas, so they can build greater internationality with development of their own research through collaboration with overseas.

## 2. Are the proposed plans adequate to achieve the goals of this Team?

### 1) Are these plans realistic and specific to achieve the goals?

This is a concrete plan, but the setting of some individual goals and details of some experiments need to be scrutinized. We think this can be solved through discussion with the team leader.

### 2) Are these plans high priority in BRC and critical for the BRC?

It could be seen as individual research, but research on NF- $\kappa$ B is gaining broad attention more and more, and users can be expected to increase, so we think this plan is necessary.

### 3) Do the plans have originality in ideas and technology? (not merely a follow up?)

They have their own KO mice and mice carrying multiple mutations that they generated, so the research related to mutant NF- $\kappa$ B mouse library is highly original.

### 4) Are the plans achievable with the allocated research resources (budget and man power)?

If they have to achieve it within the current budget they will need to focus their experiment plans more.

### 5) Does the Team have sufficient experience and a record of achievements to carry out the plans?

We judge their experience sufficient. We would like it to be made use of.

## 3. Other

In order to get results more effectively, we would like them to make progress on collaboration with other teams and research organizations.

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