

III. Contents of Grant Proposal (CM03, written in English):

A. Please follow the requirements as below:

- Type setting: Times New Roman, Arial or Calibri **12-point, single-spaced**
- **Page limit: within 15 pages, excluding “abstract”, “references” and “milestones”**
- Abstracts (Chinese and English) (CM02, total within 2 page)
 - Abstracts in Chinese and English
 - Expected Impact (maximum 150 characters)

Please outline the expected impact on social, economic and academic development after the implementation of this project.

B. Overall description of grant proposal, including:

1. Rationale and Background:

- (1) Significance and the overall objectives of this grant proposal.
- (2) The novelty/innovation of the target(s) and its link to human disease or health issue.
- (3) The current status of the related research worldwide.

2. Specific Aims

3. Preliminary Studies and Results

4. Research Design:

- (1) Research principles and methods.
- (2) Describe the approaches to “target identification and validation”

[It is expected that at the end of the first year, a target (or a type of targets) will be identified for future pursuit. Thus, if multiple targets are initially proposed, please describe how the PI would prioritize the selection of the targets (Go/no-go decision)].
- (3) If clinical samples are used, please describe the sample number, the methods for sample collection and the strategy of stratifying patient samples from the heterogeneous population.
- (4) Anticipated results and alternative approaches.

5. Anticipated Outcomes and Impacts:

Potential contribution to academics, clinical/industrial applications or societal impacts

6. Integrated Research Team:

- (1) Describe the strengths and contributions of all co-PI(s) to the proposed project (with emphasis on complementarity and multidisciplinary nature).
- (2) Describe the mechanisms of integration and coordination among team members.
- (3) Describe the uniqueness and competitiveness of the team.
- (4) Describe briefly the budget justification and allocation to PI and co-PIs for 1st year.

7. The Milestones :

This is not part of the 15 pages. Please be concise and itemize the tasks to be accomplished each year according to each Aim/ Subaim. For an example, please see attached table.

The Milestones :

Time (yr)	Aims	Tasks to be accomplished in each year according to Aims/Subaims	% of the aims accomplished that year
Year 1	Aim1 Characterize the structure of lncR-M	Subaim1.1 Development of purified lncR-M and its interacting Protein M <ul style="list-style-type: none"> ● Cloning and <i>In vitro</i> synthesis of lncR-M ● <i>In vitro</i> construction of recombinant Protein M ● Subaim1.2 Mapping of the interaction domains of lincR-M and Protein M <ul style="list-style-type: none"> ● Developing deletion mutants of lincR-M and Protein M ● Identification of interacting domains in vitro and in vivo ● etc.	Aim1: 70%
	Aim2 Characterize the function of lincR-M	Subaim2.1 Identification of the co-activator function of lincR-M <ul style="list-style-type: none"> ● Co-recruitment of protein M and lncR-M to chromatin sites ● etc.	Aim2: 20%
	Aim3.....	Subaim3.1.....	Aim3: 10%
Year 2	Aim1....		
	Aim2....		
	Aim3....		
Year 3	Aim1....		
	Aim2....		
	Aim3....		