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

    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) Current status of the related research worldwide.
   (3) The novelty/innovation of the potential target(s) or biomarker(s) and its link to human disease or health issue.
   (4) Key evidence available to support the proposal.

2. Specific Aims

3. Preliminary Studies and Results

4. Research Design:
   (1) Research principles and methods.
   (2) Describe the approaches to identify and validate the target.
      *Validated targets generally should fulfill the following criteria
      a. Mechanism of action understood
      b. Clinical association established
      c. Pre-clinical model tested
      d. Strong translational and industrial values
      [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 results, accomplishments and benefits to society:
   Potential contribution to academics, clinical/industrial applications or societal impacts
   [Describe how the proposed research will lead to clinical or industrial applications. What is the value of the target in translation medicine?]

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.
   [Briefly describe the plan for integration and coordination among team members.]

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 • Cloning and *In vitro* synthesis of lncR-M • *In vitro* construction of recombinant Protein M • ….... **Subaim1.2** Mapping of the interaction domains of lincR-M and Protein M • 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 • 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….		