

Nanchang University Approval for Research Involving Animals

Principal Investigator (PI)	Xigao Cheng	Department (Affiliation)	Department of Orthopedics, The Second Affiliated Hospital, Jiangxi Medical College, Nanchang University	
Protocol Title	Mechanistic Study of METTL14 Regulating LRIG1 Expression via m6A Modification to Influence Nucleus Pulposus Cell Senescence in Intervertebral Disc Degeneration			
Project Source & Number		National Natural Science Foundation of China (NO.82060403)		
Animal Requirements	Source	Suzhou Xishan Biotechnology Co., Ltd.	Species or Strains	SD
	Quantity (♀ 24 ; ♂)			
	Name and certificate number of the facility ☐ SYXK (赣) 2021-0001 ☒ SYXK (赣) 2021-0004			
	Proposed Date of Commencement	March 2024	Proposed Date of Completion	March 2025
Considerations Ethical	1. The animal use protocol listed below has been reviewed and approved by the Animal Ethical and Welfare Committee. 2. Are the qualification of applicant, species or strains, grade and specifications of animals suitable? Could the quantity of animals be reduced by improving the study design or using high quality animals? 3. Appropriate animal care and handling throughout the experiment, including a scientific sound endpoint; anesthetics, analgesics, sedatives or tranquilizers that are to be used; explanation for any procedure cause unrelieved pain or distress; disposition of animals at end of study; and euthanasia criteria and method. 4. Are the materials to be used harmful or toxic? Are there any radioactive agents, infectious agents, genetic modified agents, and the genetic manipulation to be used in the experiment? If yes, the safety measures should be specified.			
Approval opinion of Committee ☒ Agree ☐ Disagree		Name (Stamp) 		