

一、背景概述

研究领域

DC Vitamin D VDD

VD

国内外发展现状

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 24,25(OH)₂D₃
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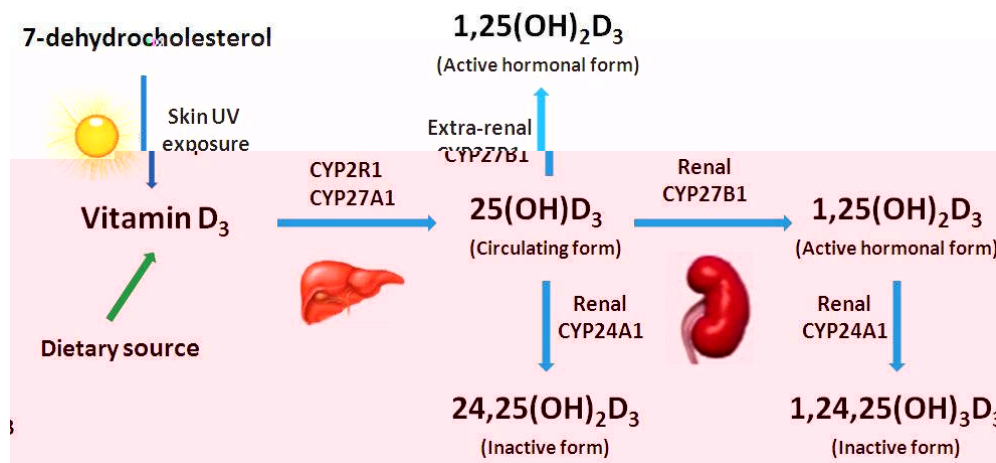


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P2X7R/NLRP3

P2X7R/NLRP3 Ä

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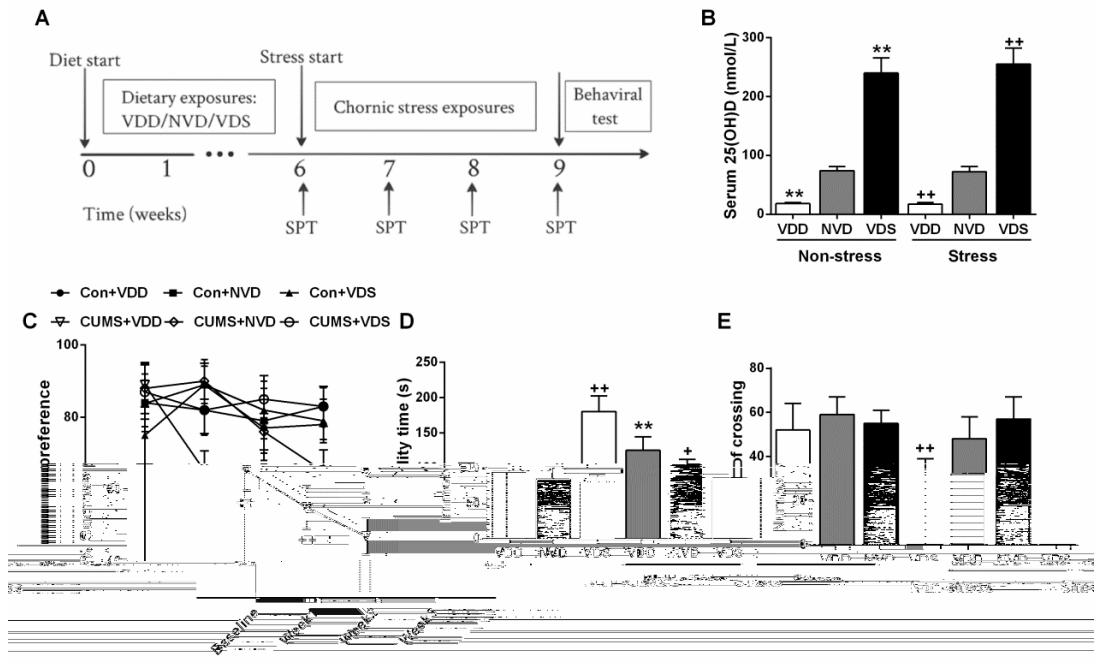
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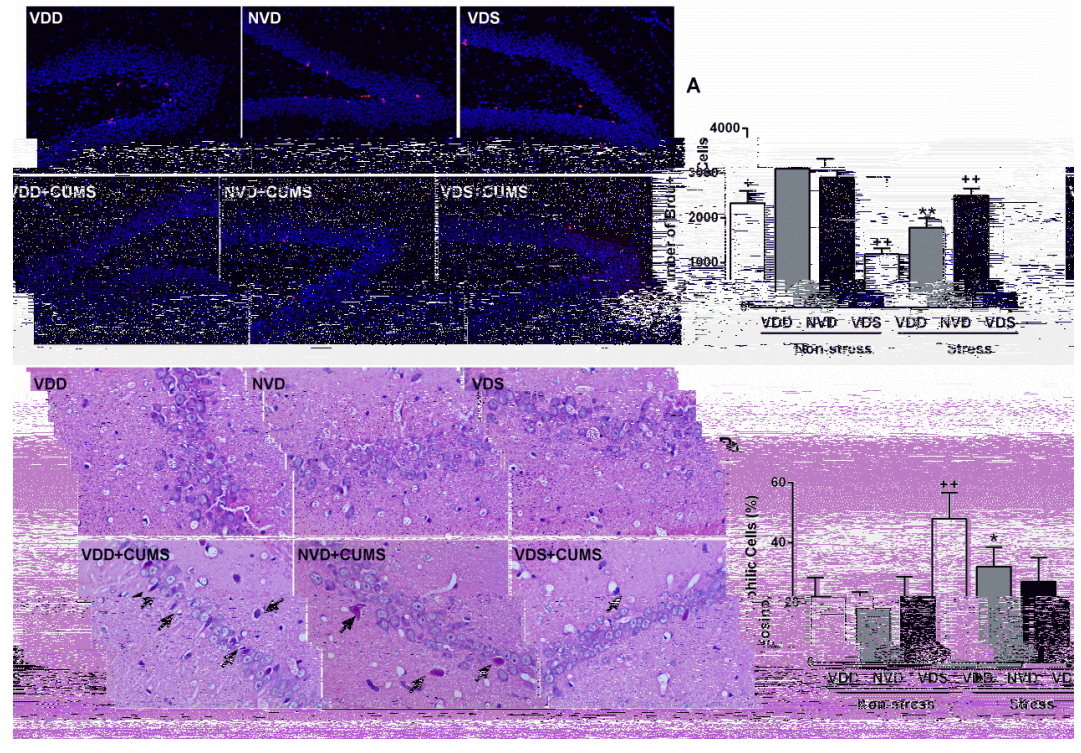
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VD i CUMS E 3 o o *P < 0.05, **P < 0.01 vs Non-stressed NVD group. +P < 0.05, ++P < 0.01 vs stressed NVD group (VDD: vitamin D deficiency; NVD: normal vitamin D; VDS: vitamin D supplementation)



VD » CUMS i » „ o o *P < 0.05, **P < 0.01 vs Non-stressed NVD group. +P < 0.05, ++P < 0.01 vs stressed NVD group (VDD: vitamin D deficiency; NVD: normal vitamin D; VDS: vitamin D supplementation)

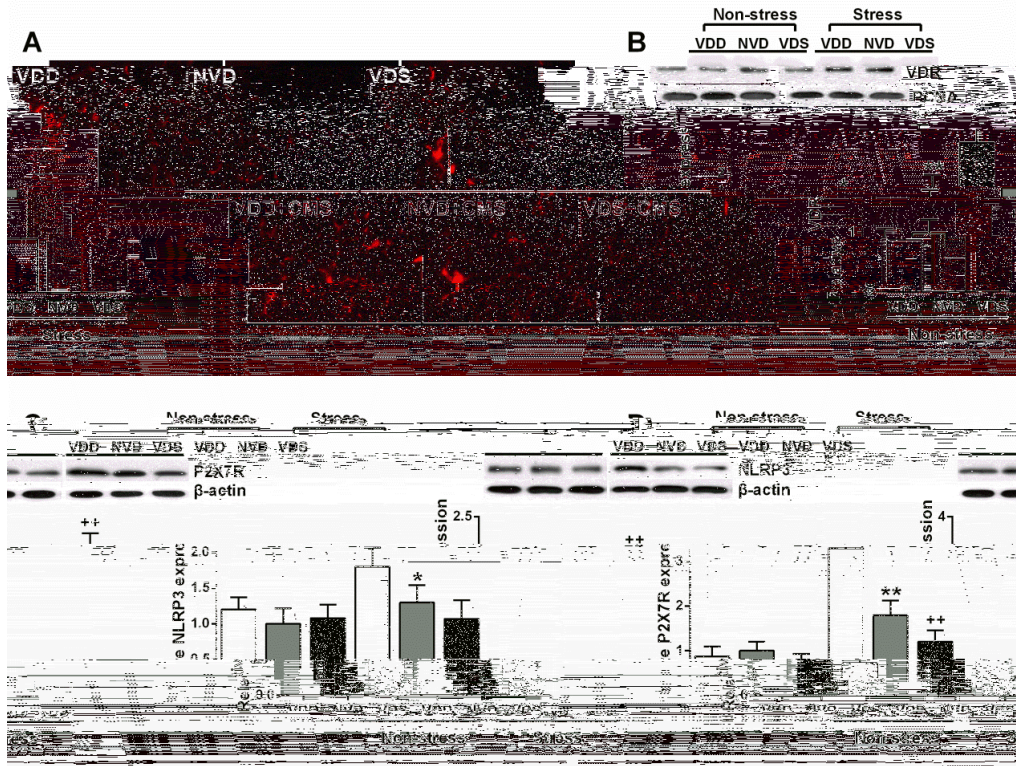


Figure 1. Vitamin D deficiency (VDD) and stress (Stress) increase P2X7R/NLRP3 expression in the brain. $P < 0.05$, $**P < 0.01$ vs Non-stressed NVD group. $+P < 0.05$, $++P < 0.01$ vs stressed NVD group (VDD: vitamin D deficiency; NVD: normal vitamin D; VDS: vitamin D supplementation)

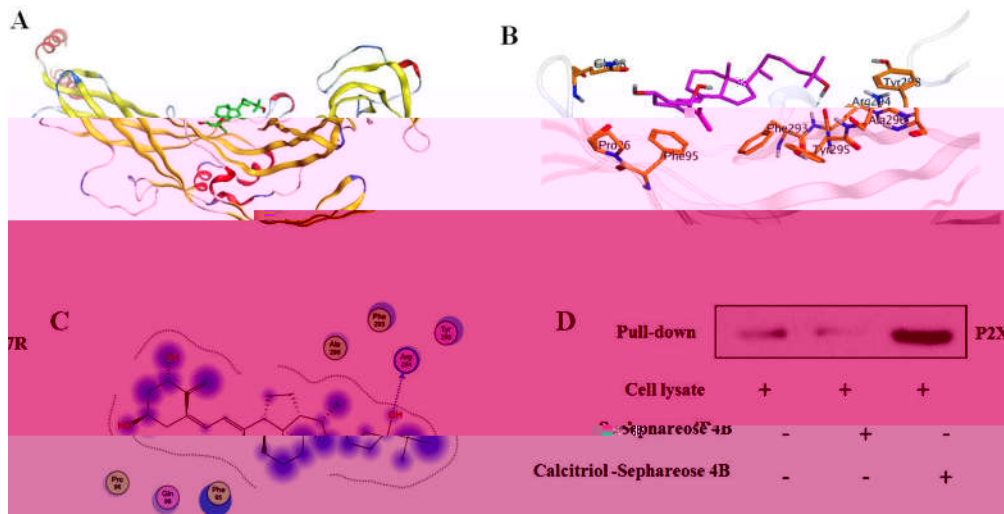
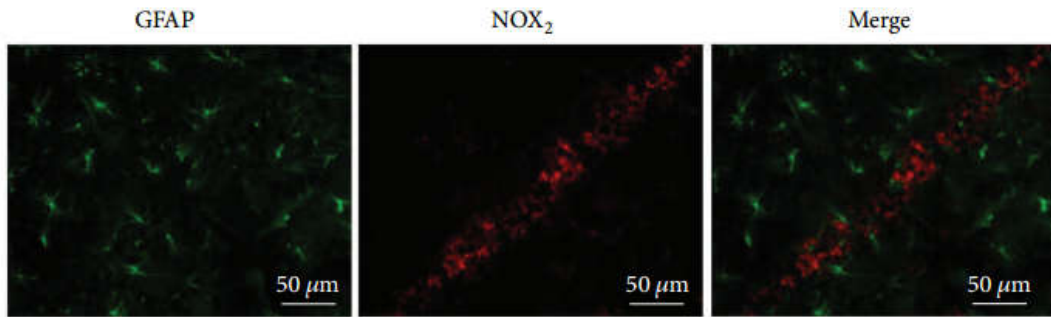
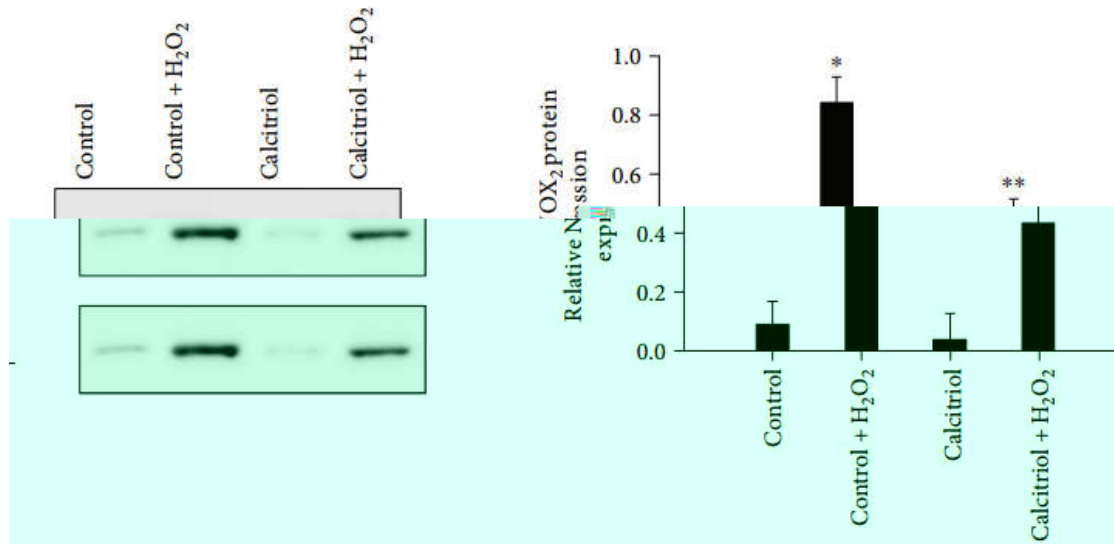


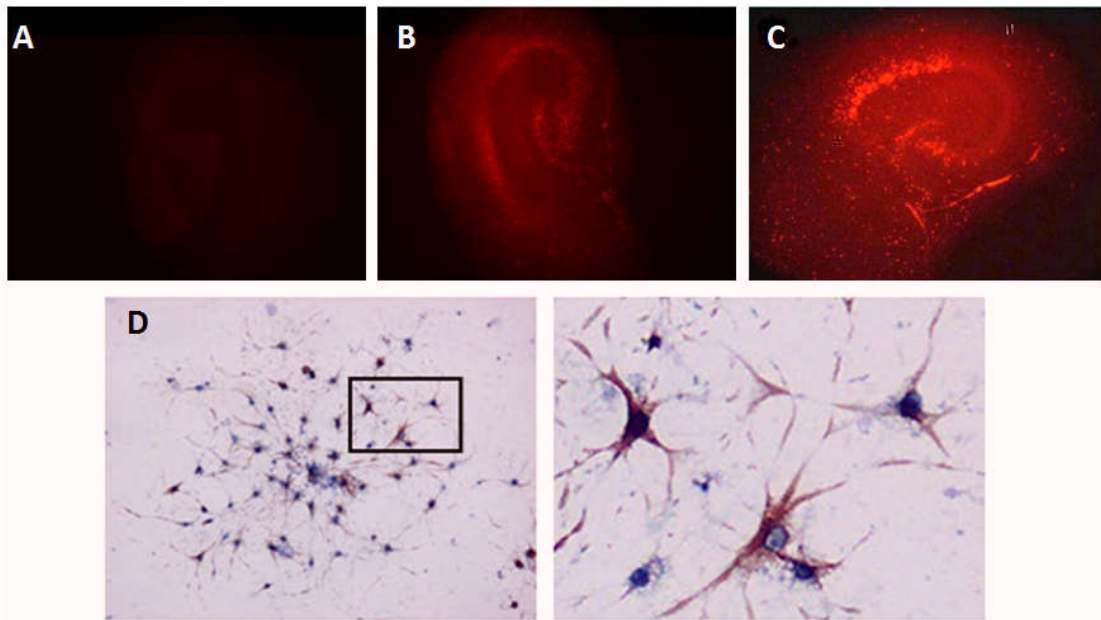
Figure 2. Calcitriol binds to P2X7R. **A**: P2X7R structure. **B**: Close-up of P2X7R residues. **C**: Calcitriol structure. **D**: Pull-down assay.



(a)



1,25(OH)₂D₃ Calcitriol



LPS 12h C LPS 24h

Control PI staining

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二、总体思路 and 计划

1、总体思路

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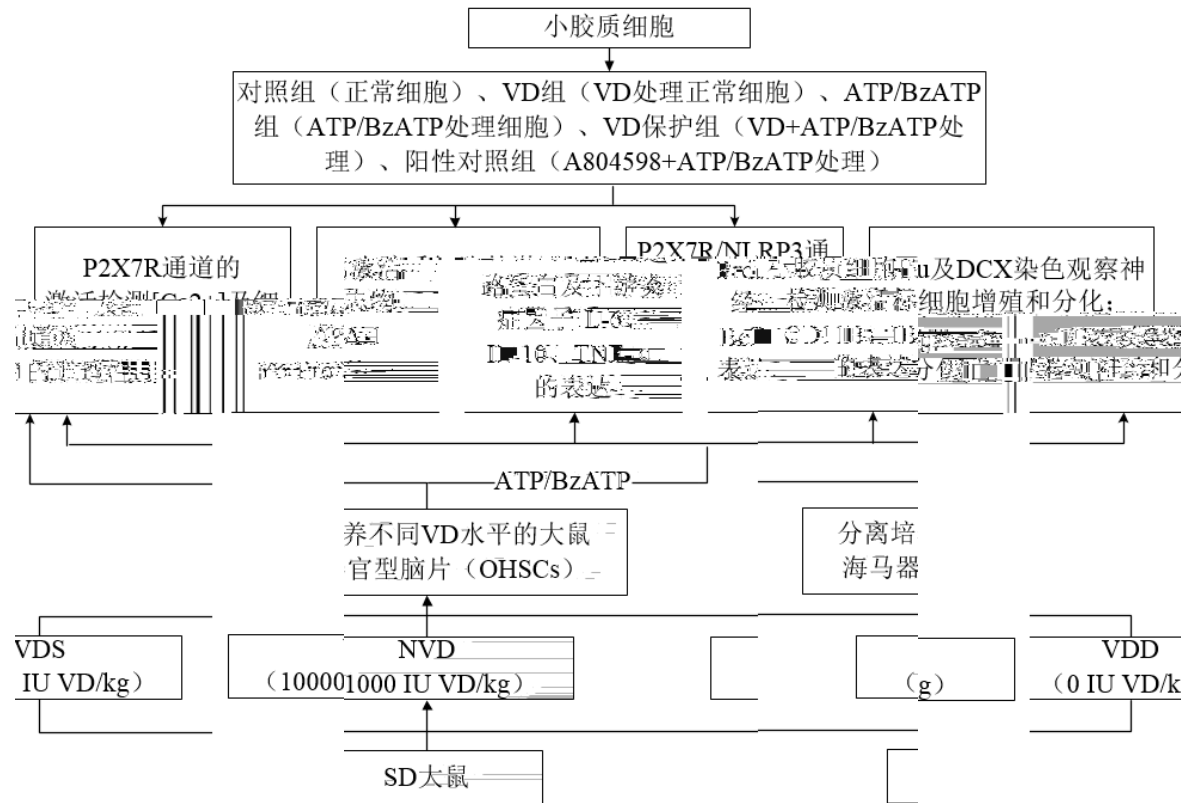
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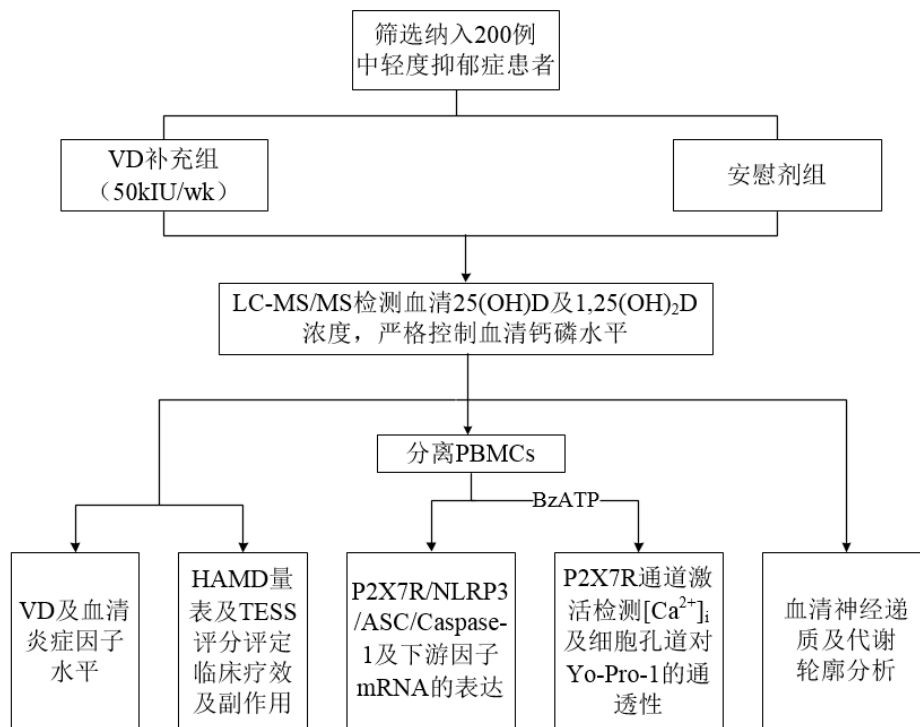
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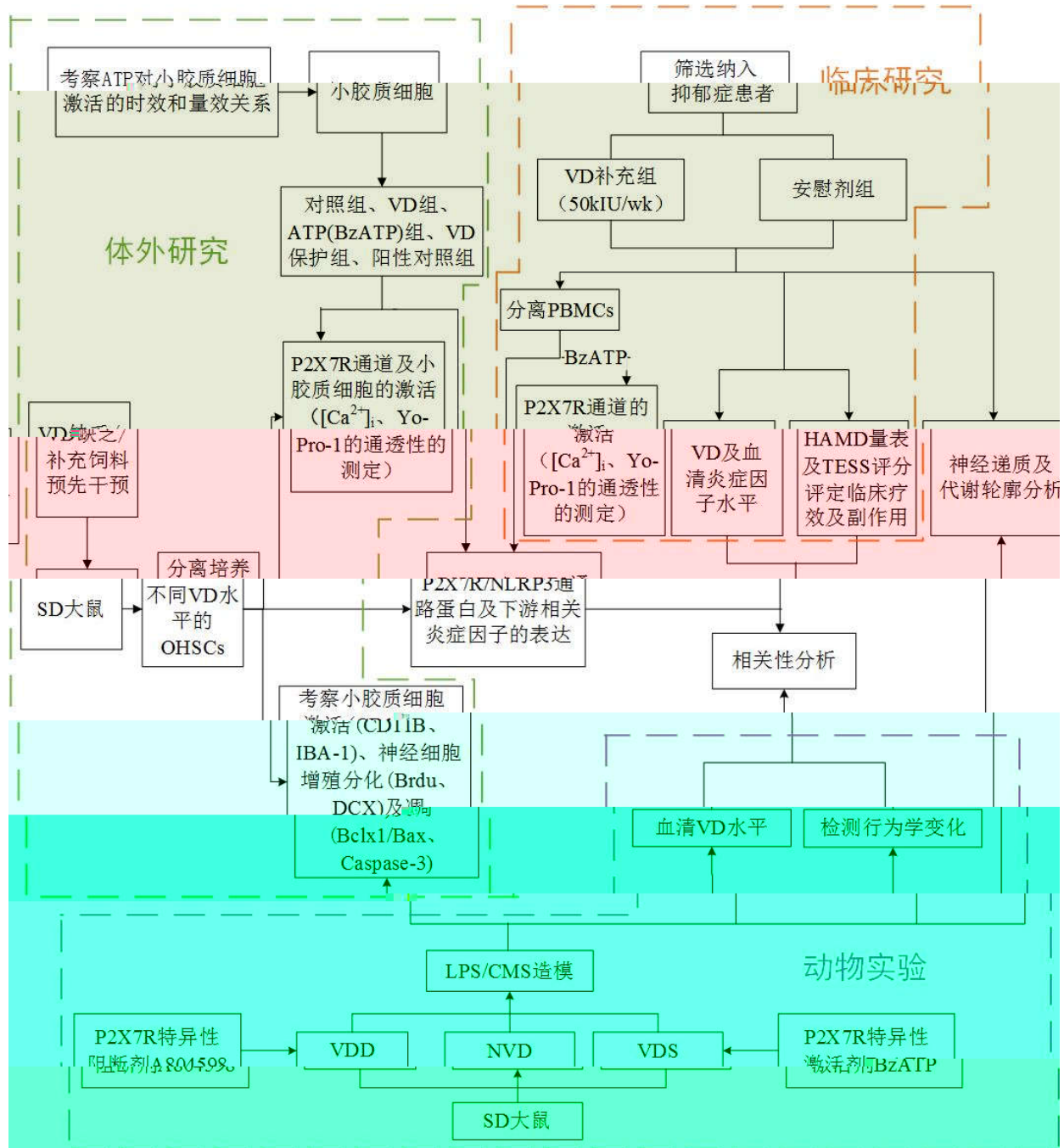
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2、工作计划

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三、 目标任务

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4、其他目标

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四、保障措施

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