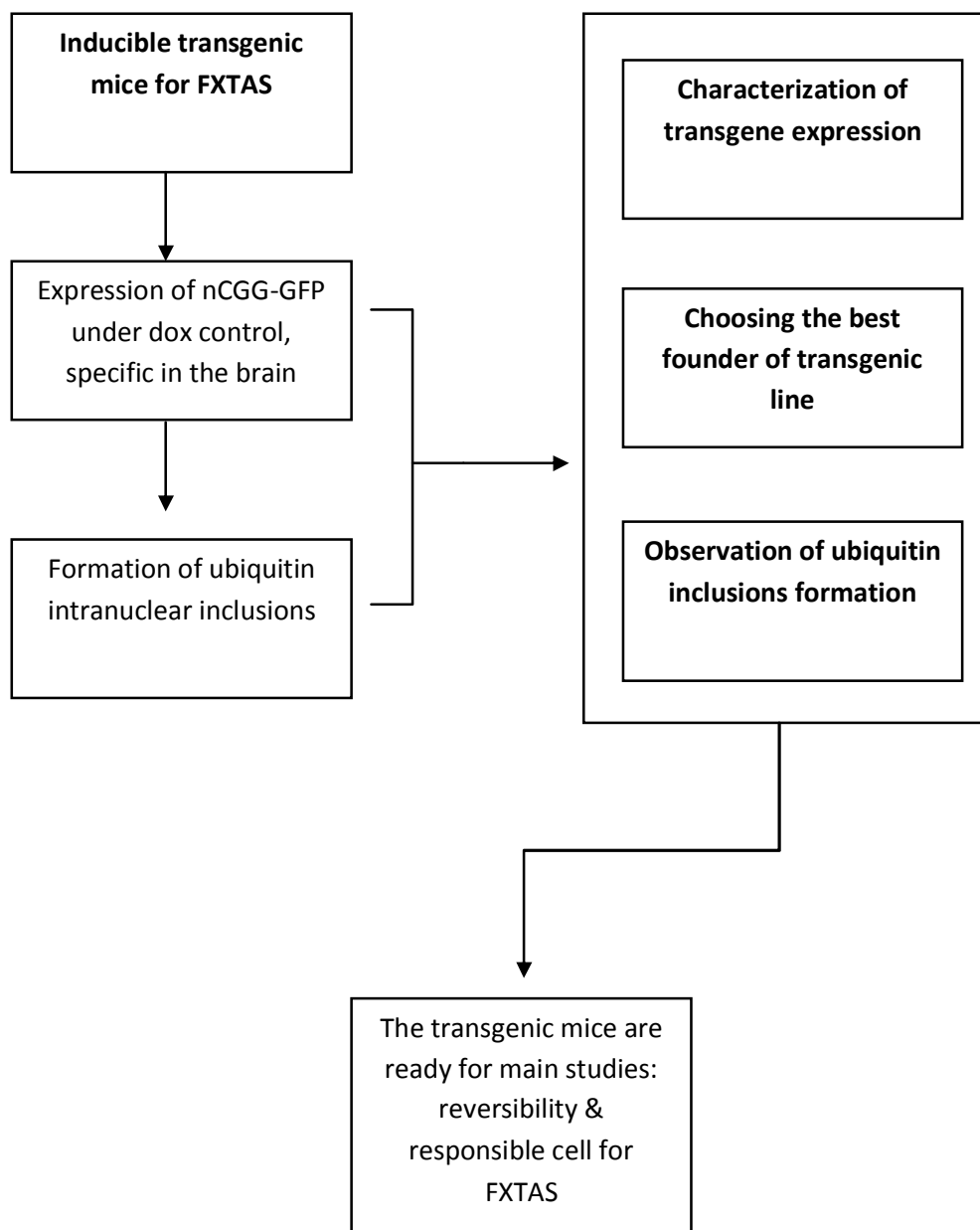


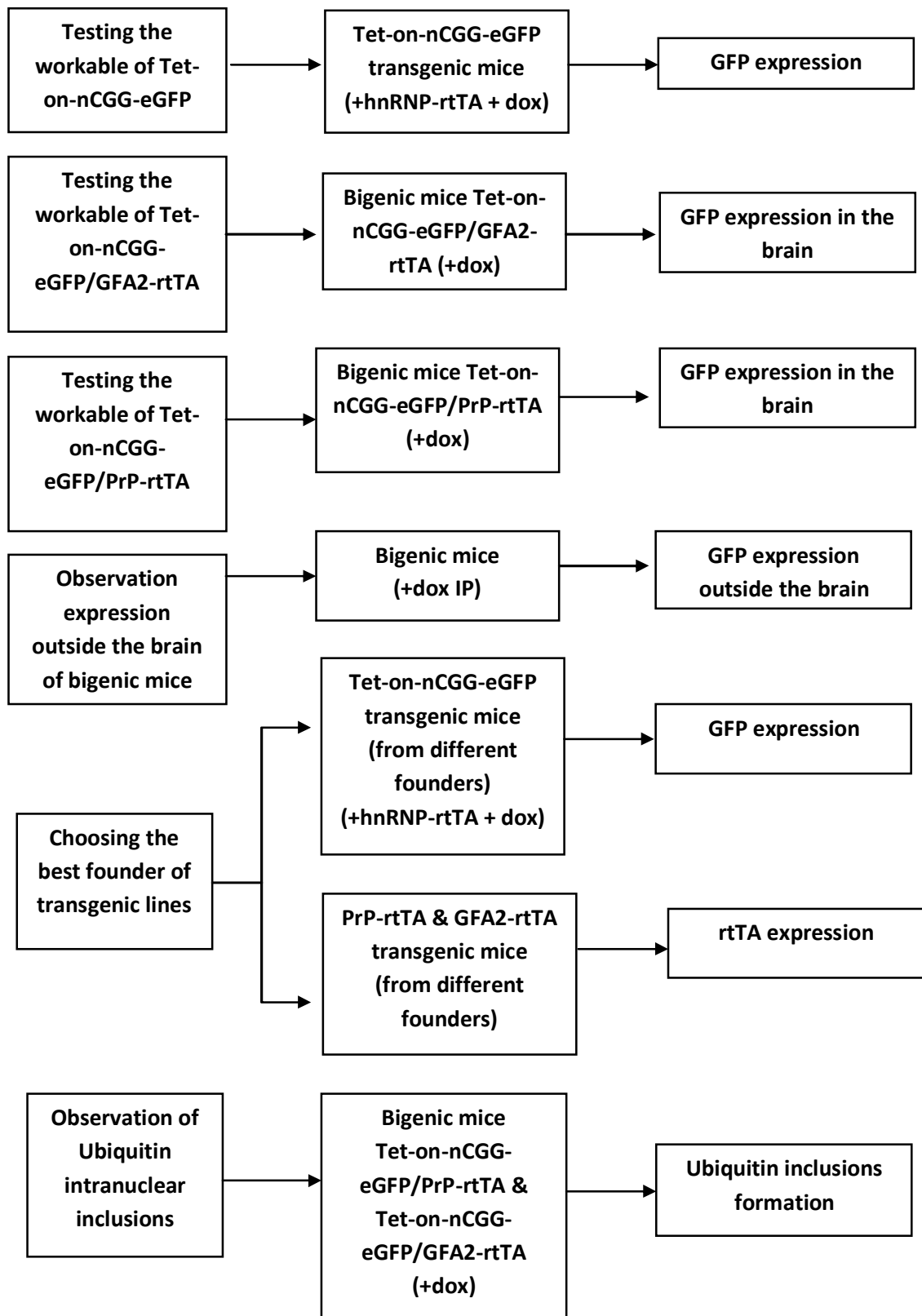
## CHAPTER 3

### THEORITICAL FRAMEWORK, CONCEPTUAL FRAMEWORK, AND HYPOTHESES

#### 3.1. THEORITICAL FRAMEWORK



### 3.2. CONCEPTUAL FRAMEWORK



### 3.3. HYPOTHESES

Several hypotheses in this particular research are:

1. Tet-on-nCGG-eGFP transgene can work properly *in vivo*.
2. Tet-on-nCGG-eGFP / GFA2-rtTA bigenic mice can express the transgene properly.
3. Tet-on-nCGG-eGFP / PrP-rtTA bigenic mice can express the transgene in properly.
4. The bigenic mice do not express the transgene outside the brain.
5. One founder gives better transgene expression than others.
6. Expression of expanded premutation CGG through dox induction to the transgenic mice for certain time is able to cause ubiquitin-positive intranuclear inclusions.