

## **Riddled With Mistakes, No Value to Humans**

Tania Roth's published papers [on her experiments](#) reveal numerous instances of carelessness resulting in additional animal suffering, such as the following:

- Technical difficulties in data collection that resulted in the use of increased numbers of animals in experiments
- A failure to include critical information regarding analgesia for painful procedures as well as proper euthanasia protocols
- Keeping rats in such unnatural and sparse environments that even those used in the control groups—those not subjected to Roth's torments but used for comparison—were under stress, confounding the results of her experiments

## **A Waste of Taxpayer Money**

Animal experiments evaluating stress-related brain changes because of early-life trauma are plagued by a significant problem: Many of the findings can't be reproduced—a key step in validating their results. Even the results of Roth's own studies have contradicted each other.

The attempt to develop effective therapies to treat neuropsychiatric disorders such as depression has met with numerous dead ends. Much of this can be chalked up to significant differences in physiology between humans and other animals. So time after time, drugs that test successfully in animals have failed in human patients.

Given that animal "models" of depression and stress can never mimic the various physiological and behavioral features that humans with these conditions would exhibit, Roth's cruel and sloppy experiments on rats are a waste of taxpayer money.



**TAKE ACTION  
TO HELP RATS**