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Effects of laboratory housing conditions on neurobiology of energy balance in mice

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Stellingen

Behorend bij het Proefschrift

Effects of laboratory housing conditions on neurobiology of energy balance in mice

- 1) Animal models are indispensable to uncover the neurobiology of body weight regulation, appetite control, and the pathogenesis of obesity.
- 2) In the laboratory mouse, (early life) social and laboratory housing conditions exert a profound effect on growth, energy balance regulation, and metabolic health.
- 3) Sex-differences are important determinants of experimental outcomes in preclinical research.
- 4) The establishment of social hierarchy relationships should be carefully evaluated in group-housed rodents.
- 5) The field of ingestive behaviour in rodents can benefit considerably from the use of new technologies and algorithms.
- 6) There are in fact two things, science and opinion; the former begets knowledge, the latter ignorance – Hippocrates
- 7) It is not the strongest of the species that survives, not the most intelligent that survives. It is the one that is the most adaptable to change – Charles Darwin

Giorgio Karapetsas