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Social factors and Alzheimer's disease

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Propositions

belonging to the thesis

Social Factors and Alzheimer's Disease: Navigating this Two-Way Street using Mouse Models

1. The social environment has the potency to influence brain health and behavior, including social behavior, of mouse models of AD **(this thesis)**.
2. Female J20 mice are a useful model to study altered social behavior related to high amyloid burden, likely with translational value for female Alzheimer patients **(this thesis)**.
3. The determinants of rodent social health should be studied further in order to understand the meaning of 'good' and 'poor' social health **(this thesis)**.
4. There is an urgent need for clinical trials applying social interventions that use cognitive functioning as an outcome measure **(this thesis)**.
5. The lack of preclinical studies on females hampers the progress in biomedical sciences.
6. Behavioral tests of laboratory animals in more naturalistic (social) environments should become the new standard in behavioral neurobiology.
7. Lab users should make an effort to reduce the environmental footprint of their work.
8. Manipulating the social environment (e.g. from office to bar) stimulates social interactions and cognitive performance among neuroscientists.
9. "All models are wrong, but some are useful" – George E.P. Box (statistician)