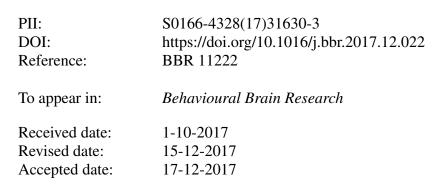
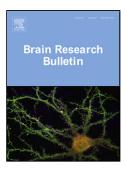
### Accepted Manuscript

Title: Ethological approach to social isolation effects in behavioral studies of laboratory rodents

Author: Hiroyuki Arakawa





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### ACCEPTED MANUSCRIPT

#### Title:

# Ethological approach to social isolation effects in behavioral studies of laboratory rodents

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Running title: Ethological approach to isolation effect

### Highlights:

- Ethological approach helps to understand the housing effects on rodent behaviors
- Effect of isolation rearing depends on social relationships with cagemates when isolated
- Isolation rearing during critical developmental period induces behavioral agitation
- Short-term isolation rearing disrupts social transmission of information between cagemates

### Abstract:

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