

## Accepted Manuscript

Title: Hungry Brains: A Meta-Analytical Review of Brain Activation Imaging Studies On Food Perception and Appetite in Obese Individuals

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PII: S0149-7634(18)30355-5  
DOI: <https://doi.org/10.1016/j.neubiorev.2018.07.017>  
Reference: NBR 3185

To appear in:

Received date: 22-5-2018  
Revised date: 6-7-2018  
Accepted date: 25-7-2018

Please cite this article as: Devoto F, Zapparoli L, Bonandrini R, Berlingeri M, Ferrulli A, Luzi L, Banfi G, Paulesu E, Hungry Brains: A Meta-Analytical Review of Brain Activation Imaging Studies On Food Perception and Appetite in Obese Individuals, *Neuroscience and Biobehavioral Reviews* (2018), <https://doi.org/10.1016/j.neubiorev.2018.07.017>

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# Hungry Brains: A Meta-Analytical Review of Brain Activation Imaging Studies On Food Perception and Appetite in Obese Individuals

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## Highlights:

- We provide the first quantitative assessment of neurocognitive theories of obesity
- These results were obtained with quantitative meta-analyses of fMRI studies
- Overall, we provide support for an incentive sensitization theory of obesity
- Obese individuals have greater activation of reward regions for visual food cues
- The brain of obese individuals is more sensitive to hunger and less to satiety

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