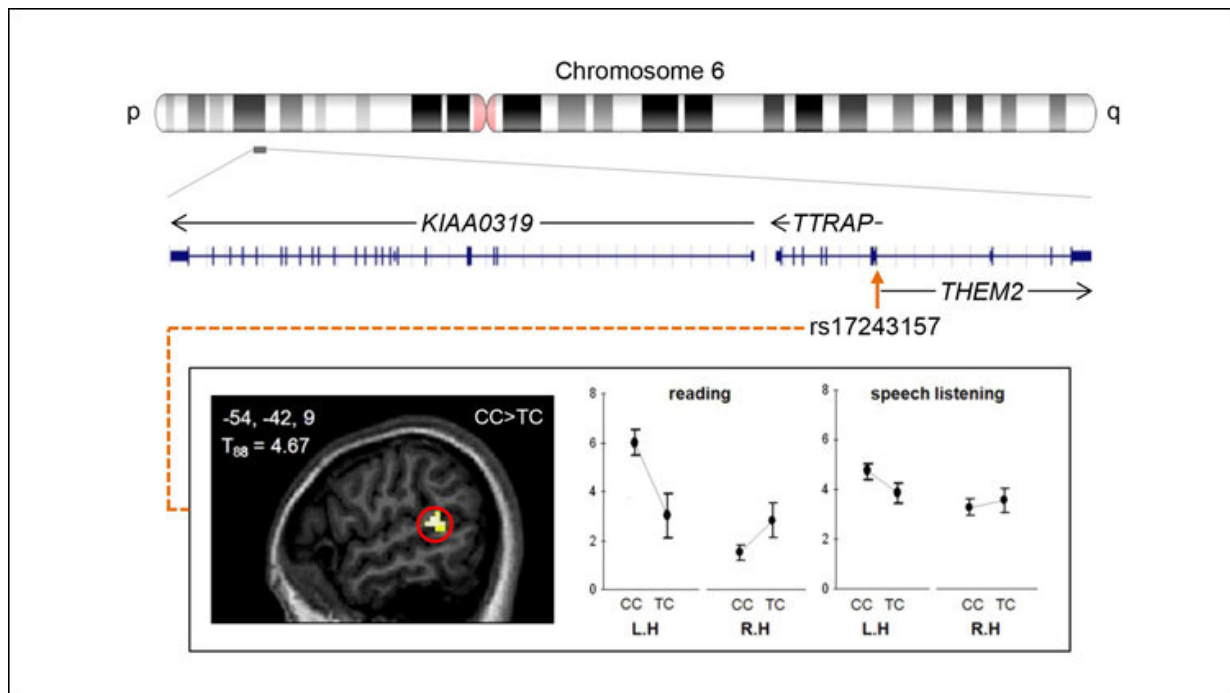


Researchers fail to replicate influential neuroimaging genetics study

September 30 2019



Credit: Uddén et al. *JNeurosci* (2019)

Neuroscientists have failed to replicate the findings of an influential study linking genetics to cognition. Published in *JNeurosci*, the researchers highlight issues in the design, analysis, and interpretation of the original study.

In 2012, Pinel et al. described in *JNeurosci* genetic variants associated

with altered activation of language-related brain regions during reading and listening.

Now, using a much larger sample size, Uddén et al. report that they are unable to replicate those original claims.

The new research challenges the assumption that functional neuroimaging studies are better suited to uncover genetic underpinnings of cognition than behavioral or psychological measures.

These findings also highlight the complexity of the relationship between genes and human brain function.

More information: Towards Robust Functional Neuroimaging Genetics of Cognition, *JNeurosci* (2019). [DOI: 10.1523/JNEUROSCI.0888-19.2019](https://doi.org/10.1523/JNEUROSCI.0888-19.2019)

Provided by Society for Neuroscience

Citation: Researchers fail to replicate influential neuroimaging genetics study (2019, September 30) retrieved 14 May 2024 from <https://medicalxpress.com/news/2019-09-replicate-influential-neuroimaging-genetics.html>

<p>This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.</p>
--