



The Jacobs Center  
Research Seminar Series

**Prof. Dr. Hans Henrik  
Sievertsen**

University of Bristol  
School of Economics

## **Antibiotics in Early Childhood and Subsequent Cognitive Skills**

Antibiotics are among the most commonly prescribed drugs for children. However, they may have side effects with long-run implications. Recent evidence based on animal experiments suggests that usage at early ages can adversely affect the development of cognitive skills. Prof. Sievertsen and his colleagues use Danish population-wide administrative data to link early-childhood antibiotic use to school test results. Idiosyncratic variation across GPs in their propensity to prescribe antibiotics enables us to identify effects on cognition in a medically meaningful range. Prof. Sievertsen and team find significant adverse effects that are not related to other patterns in GP behavior. Results are corroborated by sibling fixed-effects analyses.

**Friday, April 23, 2021, 10:00 h**

Online via Zoom with the following link:

<https://uzh.zoom.us/j/91059948451?pwd=Yy9PNXJyVS9iWDJFc0l3SihUOXJ1Zz09>

*Individual meetings with Prof. Dr. Sievertsen are available,*

*if interested please contact Marta Dobrijevic at [marta.dobrijevic@jacobscenter.uzh.ch](mailto:marta.dobrijevic@jacobscenter.uzh.ch)*