Journal of Experimental Criminology

Call for Papers

Special Issue on

Experimental Neurocriminology

Guest Editor: Adrian Raine, University of Pennsylvania


Neurocriminology is a sub-field of criminology which focuses on brain-based processes to understand both the etiology of crime, and also its ultimate prevention and treatment.

More broadly, it incorporates knowledge on human physiological processes for understanding a wide range of antisocial behaviors throughout the life-course, including delinquency, violence, aggression, psychopathy, white-collar crime, and conduct disorder.

Of particular interest is the interaction between biological, psychological, and social processes in understanding crime.

Most neurocriminological research has been correlational in nature. In contrast, this special edition will highlight experimental and quasi-experimental neurocriminological research that aims to understand how causal physiological processes shape crime and violence, and how social and psychological process impact biological risk factors for crime.

Neurocriminological studies that make use of randomized controlled trials, natural experiments, interrupted time series analysis involving before and after measurements, and other quasi-experimental methods are of particular interest.

Examples of past, ongoing, and future studies include:
♣ neighborhood influences on neurobiological risk factors for crime
♣ transcranial direct current stimulation to enhance morality and reduce criminal intent
♣ the influence of an offender’s neurobiological profile on juror’s decisions
♣ mindfulness training to buffer the negative effects of imprisonment on neurocognition
nutritional supplements to reduce antisocial / aggressive / psychopathic behavior
the effects of environmental toxins on criminal behavior
biological moderators of treatment outcomes
how psychosocial treatment programs alter biological risk factors for crime
the efficacy of medication in reducing antisocial, aggressive, and violent behavior
enhancing sleep to reduce violence

The Journal of Experimental Criminology is a highly regarded journal that focuses on experimental and quasi-experimental research.

It is currently ranked 3rd in Criminology and Penology (Journal Citation Reports) with a 2017 Impact Factor of 3.912.

All submissions will be subjected to the standard peer-review process, and should be prepared in accordance with Journal of Experimental Criminology policies (http://www.springer.com/criminology/journal/11292?detailsPage=pltci_727222).

Cover letters should be addressed to the guest editor.

Further information on the issue can be obtained by contacting Professor Adrian Raine (araine@sas.upenn.edu).

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