

JENIFER SIEGEL

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Education

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| University of Oxford D.Phil, Experimental Psychology <i>Wellcome Trust Ethics and Society Studentship</i> Supervisor: Dr Molly Crockett | 2014 – present |
| University College London M.Sc., Clinical Neuroscience (Distinction) Thesis: Action and Valence in Moral Judgment and behaviour Supervisors: Dr Molly Crockett and Professor Ray Dolan | 2012 – 2013 |
| McGill University B.A., Psychology (Honours) | 2007 – 2011 |

Awards

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| Wellcome Trust Society and Ethics PhD Studentship | 2014 - present |
| Clarendon Scholarship | 2014 - present |
| Social and Affective Neuroscience Society Poster Award | 2016 |

Research Experience

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| Research Associate – Wellcome Trust Centre for Neuroimaging, UCL | 2013-2014 |
| <ul style="list-style-type: none">Conducted in-depth reviews of the literature on serotonin, dopamine, oxytocin, and moral decision-makingResponsible for participant recruitment, experimental design, data collection, and data analysisDeveloped behavioural, pharmacological and fMRI experiments using Matlab and CogentPerformed model-based analyses in Matlab (GLM, MLE, and hierarchical Bayesian model comparison) for behavioural, neuroimaging, and pharmacological dataPerformed fMRI and VBM data analysis using SPMSupervised M.Sc. students and taught research and statistics methods | |
| MSc Thesis – Wellcome Trust Centre for Neuroimaging, UCL | 2012-2013 |
| <ul style="list-style-type: none">Investigated the psychological mechanisms of moral judgment and behaviour through the development and implementation of a novel paradigm and model-based approachDeveloped skills in writing ethics proposals involving electric stimulation, fMRI, and pharmacology.Developed skills in writing literature reviews, research manuscripts, and peer reviews | |
| Research Assistant – Rotman Research Institute, University of Toronto | 2011-2012 |
| <ul style="list-style-type: none">Worked on projects related to semantic memory acquisition and neocortical plasticityResponsible for participant recruitment, experimental design, data collection, and data analysisDeveloped and designed E-Prime experiments using audio, text, and imagesEngaged in lab discussions and presentations related to rapid neocortical acquisition of long-term arbitrary associations independent of the hippocampusConducted neuropsychological examinations with a variety of patientsDeveloped familiarity with fMRI, EEG, and MEG neuroimaging techniquesAided in the analysis of test results and the compilation of final experiments | |

Publications

- **Siegel, J. Z.**, & Crockett, M. J. (2013). How serotonin shapes moral judgment and behavior. *Annals of the New York Academy of Sciences*, 1299(1), 42-51.
- Crockett, M. J., Kurth-Nelson, Z., **Siegel, J. Z.**, Dayan, P., & Dolan, R. J. (2014). Harm to others outweighs harm to self in moral decision making. *Proceedings of the National Academy of Sciences*, 111(48), 17320-17325.
- Crockett, M. J., **Siegel, J. Z.**, Kurth-Nelson, Z., Ousdal, O. T., Story, G., Frieband, C., ... & Dolan, R. J. (2015). Dissociable effects of serotonin and dopamine on the valuation of harm in moral decision making. *Current Biology*, 25(14), 1852-1859.
- **Siegel, J. Z.**, & Crockett, M. J., Dolan, R.J. (under review). Inferences about moral character modulate cognitive subcomponents of blame and praise.
- Crockett, M.J., **Siegel, J.Z.**, Kurth-Nelson, Z., Dayan, P., & Dolan, R.J. (under review). Moral transgressions corrupt neural representations of value.
- **Siegel, J. Z.**, Mathys, C., Rutledge, R., & Crockett, M. J. (submitted). Inferring bad character makes social impressions more volatile.
- **Siegel, J.Z.**, Rutledge, R., Kurth-Nelson, Z., Dayan, P., & Dolan, R.J Crockett, M.J.(in preparation). How observing the decisions of others influences personal moral preferences.
- **Siegel, J.Z.**, Mathys, C., Crockett, M.J. (in preparation). How serotonin and dopamine shape moral character inference.
- **Siegel, J.Z.**, Heise, H., Crockett, M.J. (in preparation). Dirty money: profit aversion increases prosocial behavior.

Presentations

- European Society for Cognitive and Affective Neuroscience, Porto, June 2016
Conference oral presentation "Computational and Neurological Mechanisms of Social Impression Formation"
- Social and Affective Neuroscience Society, New York, April 2016
Poster presentation "Computational and Neurological Mechanisms of Social Impression Formation"
- Social and Affective Neuroscience Society, Boston, April 2015
Poster presentation "Know Thy Enemy: How Character Shapes Moral Judgment"

Teaching/Supervisory Experience

- Mary Montgomery – BA Experimental Psychology, University of Oxford, 2014-2016
Learning about gains and losses
- Lucius Caviola – MSc Experimental Psychology, University of Oxford, 2014-2015
Moral learning, fast and slow
- Felix Heise – MSc Experimental Psychology, University of Oxford, 2014-2015
Quantifying moral responsibility
- Carolyn Frieband – MSc Cognitive Psychology, University College London, 2013-2014
Serotonin and Aversive Processing in Moral Decision-Making
- Johanna Grosse-Rueschkamp – MSc Cognitive Psychology, University College London, 2013-2014
The role of dopamine in antisocial decision-making