

# Jason Gravel

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## EDUCATION

### UNIVERSITY OF CALIFORNIA, IRVINE

PH.D. IN CRIMINOLOGY, LAW, AND SOCIETY

June 2018 | Irvine, CA, USA

Dissertation committee: Katherine Faust, Michael R. Gottfredson, John R. Hipp, Cheryl Maxson, and George E. Tita (chair and advisor)

### SIMON FRASER UNIVERSITY

MA IN CRIMINOLOGY

August 2013 | Burnaby, BC, Canada

Master's thesis committee: David C. Pyrooz, Jennifer S. Wong, and Martin Bouchard (chair and advisor)

### UNIVERSITÉ LAVAL

BA IN PSYCHOLOGY

June 2009 | Québec, QC, Canada

## LINKS

Website: [jasongravel.com](http://jasongravel.com)

Twitter: [@GravelJ](https://twitter.com/GravelJ)

Github: [jgravel93](https://github.com/jgravel93)

## TECHNICAL SKILLS

Social network analysis

- Software: UCINET, Gephi, Pajek, networkx, sna, statnet, ergm
- Exponential Random Graph Models (ERGMs), Stochastic Actor-Oriented Models (SAOMs), QAP regression, Community analysis

Quantitative data analysis

- Software: Stata, SPSS, R, Python
- OLS Regression, Generalized Linear Models, Hierarchical modeling (HLM), Survival analysis, Structural equation modeling (SEM), Quantile regression, Comparative case study (synthetic control models)

Systematic reviews and meta-analyses

Program evaluation

Geographic Information Systems (ArcGIS, QGIS)

Python programming

Agent-based modeling (NetLogo)

## AFFILIATIONS

**TEMPLE UNIVERSITY** DEPARTMENT OF CRIMINAL JUSTICE |

ASSISTANT PROFESSOR

July 2020 – | Philadelphia, PA

**UNIVERSITY OF PENNSYLVANIA** PENN INJURY SCIENCE CENTER |

POSTDOCTORAL FELLOW

October 2018 – July 2020 | Philadelphia, PA

Mentors: John M. Macdonald and Douglas J. Wiebe

## PUBLICATIONS

### PEER-REVIEWED PUBLICATIONS

\*Click title to access article

2020 | Injury Prevention

Degli Esposti, M., Wiebe, D. J., **Gravel, J.**, Humphreys, D. K.

**Increasing adolescent firearm homicides and racial disparities following Florida's 'Stand Your Ground' self-defence law.**

2019 | Criminology & Public Policy

Ouellet, M., Hashimi, S., **Gravel, J.**, & Papachristos, A. V.

**Network exposure and excessive use of force: Investigating the potential for social contagion of police misconduct.**

2019 | Global Crime

Fonoberova, M., Mezic, I., Mezic, J., Hogg, J., & **Gravel, J.**

**Small-world networks and synchronization in an agent-based model of civil violence.**

2017 | Russell Sage Foundation Journal of the Social Sciences

Barragan, M., Chesnut, K., **Gravel, J.**, Pifer, N., Reiter, K., Sherman, N., & Tita, G. E.

**Prohibited possessors and the law: How inmates in Los Angeles jails understand firearm regulations.**

2017 | Justice Quarterly

Gallupe, O., & **Gravel, J.**

**Social network position of gang members in schools: Implications for recruitment and gang prevention.**

2017 | Deviant Behavior

**Gravel, J.**, Wong, J. S., & Simpson, R.

**Getting in people's Faces: On the symbiotic relationship between the media and police gang units.**

2017 | Crime & Delinquency

Gushue, K., Lee, C., **Gravel, J.**, & Wong, J. S.

**Familiar gangsters: Gang violence, brotherhood, and the media's fascination with a crime family.**

2016 | Journal of Quantitative Criminology

**Gravel, J.**, Allison, B., West-Fagan, J., McBride, M., & Tita, G. E.

**Birds of a feather fight together: Status-enhancing violence, social distance and the emergence of racially and ethnically homogenous gangs.**

## PEER-REVIEWED PUBLICATIONS (CONT.)

2016 | Injury Prevention

Chesnut, K., Barragan, M., **Gravel, J.**, Pifer, N., Reiter, K., Sherman, N., & Tita, G. E.

**Not an "iron pipeline", but many capillaries: Regulating passive transactions in Los Angeles' secondary illegal gun market.**

2016 | Criminal Justice & Behavior

Wong, J. S., Bouchard, J., **Gravel, J.**, Bouchard, M., & Morselli, C.

**Can at-risk youth be diverted from crime? A meta-analysis of restorative justice diversion programs.**

2016 | Sexual Abuse

Wong, J. S. & **Gravel, J.**

**Do sex offenders have higher levels of testosterone? Results from a meta-analysis.**

2016 | Journal of Criminological Research Policy & Practice

Wong, J. S., **Gravel, J.**, Bouchard, M., Descormiers, K., & Morselli, C.

**Promises kept? A meta-analysis of gang membership prevention programs.**

2015 | Criminology & Public Policy

**Gravel, J.** & Tita, G. E.

**With great methods come great responsibilities: Social network analysis in the implementation and evaluation of gang programs.**

2013 | Journal of Criminal Justice

**Gravel, J.**, Bouchard, M., Descormiers, K., Wong, J. S., & Morselli, C.

**Keeping promises: A systematic review and a new classification of gang control strategies.**

## REPORTS, BOOK CHAPTERS, & REVIEWS

2018 | Oxford Research Encyclopedia of Criminology and Criminal Justice

S. Messner and H. Pontell, Eds.

**Gravel, J.**, & Tita, G. E.

**Network perspectives of crime.**

2018 | International Handbook of Aggression: Current Issues and Perspectives

J. Ireland, C.A. Ireland, and P. Birch, Eds., Routledge

Valasik, M., Reid, S. E., West, J., & **Gravel, J.**

**Group process and gang delinquency intervention: Gang activity regulation and the group nature of gang violence.**

2017 | Canadian Journal of Criminology and Criminal Justice

Book review

**Gravel, J.**

**Tremblay et al.- Le délinquant affilié.**

2016 | Revue de Science Criminelle et de Droit Pénal Comparé

Book review

**Gravel, J.**

**Tremblay et al.- Le délinquant affilié.**

2014 | Public Safety Canada

Government report

Wong, J. S., Bouchard, J., Bouchard, M., Morselli, C., & **Gravel, J.**

**Effectiveness of community-based crime prevention programs for at-risk youth.**

2014 | Traité des gangs de rue: Théories, évaluation et intervention

J.-P. Guay, and C. Fredette, Eds., Les Presses de l'Université de Montréal

**Gravel, J.**, Descormiers, K., Wong, J. S., Bouchard, M., & Morselli, C.

**Efficacité des initiatives de contrôle des gangs de rue: Une revue systématique des recherches évaluatives.**

2011 | Public Safety Canada

Government report

Wong, J. S., **Gravel, J.**, Bouchard, M., Morselli, C. & Descormiers, K.

**Effectiveness of street gang control strategies: A systematic review and meta-analysis of evaluation studies.**

## MANUSCRIPT IN PROGRESS & UNDER REVIEW

2019 | Under review

Valasik, M. **Gravel, J.**, Tita, G.E., Griffith, E., & Brantingham, P. J.

**Territory, residence, and routine activities: A typology of gang member mobility patterns with implications for place-based interventions**

2019 | In progress

**Gravel, J.**, Macdonald, J., & Steinberg, M.

**The influence of schools and residential proximity on co-offending networks**

2019 | In progress

**Gravel, J.**, Bartos, B. J., & Delgado, M. K.

**The effect of the expansion of the "Castle Doctrine" to vehicles on firearm thefts from vehicles**

2019 | In progress

**Gravel, J.** & Wiebe, D. J.

**Legal changes and mass shootings as triggers for firearm purchases in California**

2019 | In progress

Macdonald, J. & **Gravel, J.**

**The impact of vacant housing remediation on violence and crime.**

2019 | In progress

Charette, Y., & **Gravel, J.**

**Co-offending homophily over the life-course**

## RESEARCH EXPERIENCE

2019 | Firearm policies and gunshot injuries

PI: Douglas Wiebe

Analysis of the influence of firearm policy changes on state and county-level variations in assaultive, unintentional and self-gunshot injuries and death.

2018 | Agent-based models and crime

PI: Richard McCleary

Development of agent-based models of criminal activity, policing, and routine activity theory.

2016-2017 | TANF evaluation

PI: Naomi Sugie

Evaluation of the effect of the 1996 Temporary Assistance for Needy Families (TANF) drug offender ban on recidivism in California.

Data cleaning and database creation.

2015-2016 | England transportation networks

PI: Dan Bogart

GIS mapping of transportation networks in 19th century England.

2014-2017 | Comparative Gang Ethnography Project

PIs: Cheryl Maxson & Jody Miller

Development of a coding instrument and codebook to quantitatively code qualitative work on gang research

2014-2017 | Los Angeles study of illegal gun markets and gang violence

PIs: George Tita & Keramet Reiter

Data analysis, and report/grant writing.

2013-2015 | Mathematical models of crime

PIs: George Tita & Michael McBride

Development and analysis of mathematical models of crime, game theory, social network analysis.

2013 | Meta-analysis of community-based crime prevention

PIs: Martin Bouchard, Jennifer Wong, & Carlo Morselli

Grant/report writing, document search, and analysis.

2011-2013 | Systematic review of street gang program evaluations

PIs: Martin Bouchard, Jennifer Wong, & Carlo Morselli

Grant/report writing, document search, and analysis.

## 2010-2012 | Various projects

PI: Jennifer Wong

Research on street gang policies, bullying interventions, crime prevention programs, immigration and crime. Literature reviews, data collection, and data analysis.

## 2011 | Drug program evaluation

PI: Jennifer Wong

Program evaluation of a drug prevention intervention  
Study design and data collection.

## 2011-2012 | Serious and Violent Young Offenders Custody Project

PI: Raymond Corrado

Interviews with youth offenders in custody and criminal record coding.

## 2009-2011 | Hostility and antisocial behavior

PI: Kevin Douglas

Research on the effect of hostility, anger and emotional affect on antisocial behavior.  
Data collection (interviews), data entry and analysis.

## 2008-2009 | Short-term memory and attention span

PI: Sebastien Tremblay

Research design, subject testing, data analysis, and report writing

## TEACHING EXPERIENCE

### 2018 | Community context of crime

Teaching assistant, Undergraduate course, University of California, Irvine

### 2017 | Cross-cultural gangs

Teaching assistant, Undergraduate course, University of California, Irvine

### 2017 | Foundations of Criminology, Law, & Society

Teaching assistant, Undergraduate course, University of California, Irvine

### 2016 | Data analysis (OLS Regression)

Teaching assistant, Graduate course, University of California, Irvine

### 2013 | Introduction to Criminology, Law, & Society

Teaching assistant, Undergraduate course, University of California, Irvine

### 2013 | Geographic information systems

Teaching assistant, Undergraduate and graduate course, University of California, Irvine

### 2012 | Research methods in criminology

Teaching assistant, Undergraduate course-Online education, Simon Fraser University

### 2011-2013 | Research methods in criminology

Teaching assistant, Undergraduate course, Simon Fraser University

## AWARDS

2018	UC Irvine Social Ecology Alumni Fellowship	\$900
2017	UC Irvine Social Ecology Dean's Dissertation Fellowship	\$11,800
2016	UC Irvine Data Science Initiative Fellowship	\$13,000
2016	Miki Vohryzek-Bolden Student Paper Competition-Awarded by the Western Society of Criminology	
2013-2017	Social Sciences and Humanities Research Council(SSHRC) of Canada	\$80,000
2012	Simon Fraser University School of Criminology Graduate Fellowship	\$6,250

## MEDIA COVERAGE

### 2019, August | CBS Chicago interview

'Bad Apples Rotting The Barrel:' Chicago Police More Likely To Use Excessive Force If Peers Do, Northwestern Study Shows

## RECENT ACADEMIC PRESENTATIONS

- **Gravel, J.**, Macdonald, J. M., & Steinberg, M. (2019, November). The influence of schools and residential proximity on juvenile co-offending networks in Philadelphia. Paper presented at the American Society of Criminology Annual Meeting , November 13-16, 2019.
- **Gravel, J.** (2019, May). The Influence of organizational and legal changes on the structure of networks created from police data. Paper presented at the Sunbelt Conference of the International Network for Social Network Annual Meeting , June 18-23, 2019.
- **Gravel, J.**, & Wiebe, D.J. (2019, April). Legal changes and mass shootings as triggers for firearm purchases in California. Paper presented at the Society for Advancement of Violence and Injury Research Annual Meeting , April 1-3, 2019.
- **Gravel, J.** (2018, November). The Efficient Diffusion of Deterrence and the Community Structure of Street Gangs. Paper presented at the American Society of Criminology Annual Meeting, Atlanta, GA, November 14-17, 2018.
- **Gravel, J.** (2017, November). The Influence of Gang Injunctions on the Structure of Co-Offending Networks and Police Recording Practices in the Field. Paper presented at the American Society of Criminology Annual Meeting, Philadelphia, PA, November 16-18, 2017.
- Ouellet, M., Hashimi, S., **Gravel, J.**, & Papachristos, A. V. (2017, November). 'Forget Everything You Learned at the Academy': Mentorship and the Social Structure of Police Misconduct. Poster presented at the American Society of Criminology Annual Meeting, Philadelphia, PA, November 16-18, 2017.
- **Gravel, J.** (2016, December). Social and Spatial Constraints in the Search for a Suitable Co-Offender. Paper presented at the Illicit Networks Workshop, London, UK, December 7-8 , 2016.
- **Gravel, J.**, Tita, G. E., Reiter, K., Pifer, N., Chesnut, K., Barragan, M., & Sherman, N. (2016, November). The Social and Passive Nature of Illegal Gun Transactions in Los Angeles. Paper presented at the American Society of Criminology Annual Meeting, New Orleans, LA, November 18-21, 2016.
- **Gravel, J.** (2016, November). The Wrong Crowd Effect: Is Police Targeting Contagious? Paper presented at the American Society of Criminology Annual Meeting, New Orleans, LA, November 18-21, 2016.
- Gerlinger, J. & **Gravel, J.** (2016, February). Decriminalizing School Discipline: Is Policy Enough? Paper presented at the Western Society of Criminology Annual Meeting, Vancouver, BC, Canada, February 5-7, 2016.
- **Gravel, J.** (2016, February). Is Using Co-Arrest Networks to Study Criminal Involvement Tautological? Paper presented at the Western Society of Criminology Annual Meeting, Vancouver, BC, Canada, February 5-7, 2016.

Full list available upon request.