

Ruslan Klymentiev

PHD CANDIDATE IN CRIMINOLOGY · GHENT UNIVERSITY

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Education

Ghent University

PHD CRIMINOLOGY

- Thesis: Interdependencies of Serial and Co-Offending Networks in Space and Time
- Supervisor: Prof. Dr. Christophe Vandeviver
- Focus: Social behavior of criminals, criminal networks analysis, computational modeling

Belgium

01/2023 - 12/2026

Otto von Guericke University Magdeburg

MSc INTEGRATIVE NEUROSCIENCE

- Thesis: Role of Orexin in the Explorative-Exploitative Trade-Off
- Supervisor: Prof. Dr. Markus Fendt

Germany

10/2020 – 10/2022

Odesa National Polytechnic University

BSc RADIOPHYSICS APPARATUSES

Ukraine

09/2010 – 07/2014

Professional Experience

2020 – 2022 Research Assistant, Otto von Guericke University Magdeburg

- Assisted in behavioral experiments involving both human and rodent subjects.
- Prepared experiment scripts and automation tools.
- Performed preprocessing and statistical analysis of experimental data.

2019 – 2021 Data Science Instructor, DEVrepublik

- Designed and developed a data science course curriculum.
- Taught classes on topics including statistics, Python programming, and Machine Learning.
- Mentored students through hands-on exercises and projects.

2018 – 2019 Data Scientist, Bennett Data Science

- Analyzed datasets and built statistical and Machine Learning models.
- Helped interpret results and prepare reports for clients and internal teams.

2017 – 2018 Junior Data Analyst, CARiD

- Designed and maintained interactive dashboards in Power BI.
- Collected and cleaned data to support business insights.

Publications

PEER-REVIEWED & PUBLISHED

Klymentiev, R., Rocha, L. E. C. & Vandeviver, C. (2025). Homophily promotes stable connections in co-offending networks but limits information diffusion: insights from a simulation study. *Crime Science*, 14(1). <https://doi.org/10.1186/s40163-025-00254-w>

Klymentiev, R., Harvey, D., Rocha, L. E. C. & Vandeviver, C. (2025). A systematic review and Bayesian meta-analysis of co-offending characteristics. *Nature Human Behaviour*, 9(10), 2135-2152. <https://doi.org/10.1038/s41562-025-02244-z>

Deane, K. E., **Klymentiev, R.**, Heck, J., Mark, M. D., Ohl, F. W., Heine, M., & Happel, M. F. K. (2024). Inhibiting presynaptic calcium channel motility in the auditory cortex suppresses synchronized input processing. *Frontiers in Cellular Neuroscience*, 18. <https://doi.org/10.3389/fncel.2024.1369047>

IN PREP

Deane, K. E., García-Rosales, F., **Klymentiev, R.**, Hechavarria, J. C., & Happel, M. F. K. (2022). The auditory cortex of bats has a better signal to noise ratio and lower inter-trial variability in response to stimuli trains than mice. *bioRxiv (Cold Spring Harbor Laboratory)*. <https://doi.org/10.1101/2022.10.28.514155>

Presentations

INVITED TALKS

11/2024. *Simulations as a bridge between theory and empirical testing in criminology research*. Guest Lecture, Ghent University.

12/2021. *Introduction to Python*. Brainhack Magdeburg 2021, Online.

12/2020. *Data Viz Hacking*. DEVrepublik Conference 2020, Online.

ORAL PRESENTATIONS

Klymentiev, R, Brantingham P. J., Prieto-Curiel R., Rocha L. E. C., & Vandeviver, C. (2025, September 3-6). *Foraging for crime: A simulation study on co-offender specialization* [Conference presentation]. 25th Annual Conference of the European Society of Criminology, Athens, Greece.

Klymentiev, R, Brantingham P. J., Prieto-Curiel R., Rocha L. E. C., & Vandeviver, C. (2025, August 25-29). *Social foraging for crime: A simulation study on offenders' specialization and co-offending* [Conference presentation]. 20th Annual Social Simulation Conference (SSC 2025), Delft, Netherlands.

Klymentiev, R, Rocha, L. E. C., & Vandeviver, C. (2024, October 24-25). *The effect of homophily on co-offending outcomes* [Conference presentation]. CBEN & MVE Joint Meeting 2024, Maastricht, Netherlands.

Klymentiev, R, Rocha, L. E. C., & Vandeviver, C. (2024, September 19-20). *The effect of homophily on co-offending outcomes* [Conference presentation]. 19th Annual Social Simulation Conference (SSC 2024), Kraków, Poland.

Teaching & Mentoring Experience

09/2024 - present	Supervision of Bachelor and Master students , Supervisor	Ghent University
07/2022	Computational Neuroscience Course , Teaching Assistant	Neuromatch Academy
04/2022	Self-paced course Python for Neuroscience , Creator	pyforneuro.com
07/2021	Computational Neuroscience Course , Teaching Assistant	Neuromatch Academy
03/2020 – 10/2021	Statistics for Data Science , Creator & Lecturer	DEVrepublik
03/2020 – 10/2021	Python for Data Science , Creator & Lecturer	DEVrepublik
10/2019 – 03/2020	Data Science 3-month Bootcamp , Creator & Lecturer	DEVrepublik