

## Dr. Martina Testori

Department of Organization Sciences  
Faculty of Social Sciences  
VU University  
De Boelelaan 1081  
1081 HV, Amsterdam, The Netherlands  
Email: [m.testori@vu.nl](mailto:m.testori@vu.nl)

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### ACADEMIC POSITIONS

2019 – Present      Postdoctoral fellow on an ERC-project titled: “*The Force of Gossip*” (ERC 771391), Department of Organization Sciences, Vrije Universiteit Amsterdam

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### RESEARCH INTERESTS

My primary research interest focuses on human cooperation in the context of social dilemmas both at the individual and collective level. In particular, I focus on understanding how exogenous (e.g. group composition, organizational/network structure, information flow, gossip) and endogenous (e.g. personality traits) factors improve or deplete cooperation. I employ both experimental methods and mathematical models (agent-based models) to investigate cooperative dynamics at both the individuals and the collective level.

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### EDUCATION

2020      Ph.D. in Applied Mathematics, University of Southampton, UK  
Dissertation title: “*Cooperation and psychopathy: A game-theoretic perspective*”  
Supervisor: Prof. R.B. Hoyle, Dr. H. Eisenbarth  
Internal examiner: Prof. T. Sluckin  
External examiner: Prof. D. Nettle

2016      MSc. Mathematics and Finance, University of Essex, UK  
Dissertation title: “*Worldwide applications of complex networks: two practical examples*”

2015      BSc. Pure Mathematics, Università degli Studi di Milano, IT

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### PUBLICATIONS

Dores Cruz, T. D., Nieper, A. S., Testori, M., Martinescu, E., & Beersma, B. (2020). An Integrative Definition and Framework to Study Gossip. *Group & Organization Management*, 1059601121992887.

Testori, M., Harris, T. O., Hoyle, R. B., & Eisenbarth, H. (2019). “The effect of psychopathy on cooperative strategies in an iterated Prisoner’s Dilemma experiment with emotional feedback.” *Scientific Reports*, 9(1), 2299. (Impact factor: 4.122)  
DOI: [10.1038/s41598-019-38796-0](https://doi.org/10.1038/s41598-019-38796-0)

Testori, M., Hoyle, R.B. & Eisenbarth, H., (2019) “How group composition affects cooperation in fixed networks: can psychopathic traits influence group dynamics?”, *Royal Society Open Science*, 6(3), 181329. (Impact factor: 2.504) DOI:[10.1098/rsos.181329](https://doi.org/10.1098/rsos.181329)

Testori, M. et al. (2019) “When do psychopathic traits affect cooperative behaviour? An iterated Prisoner's Dilemma experimental study.”, *Journal of Individual Differences*.  
(Impact factor: 1.28) DOI: [10.1027/1614-0001/a000295](https://doi.org/10.1027/1614-0001/a000295)

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## WORKING PAPERS

Testori, M., Eisenbarth, H., Hoyle, R.B. (under review at PLOS One) “Selfish risk-seeking can provide an evolutionary advantage in a conditional public goods game.”

Testori M., Beersma B., Hemelrijk C. (to be submitted to PNAS) “When does gossip foster cooperation? an ABM model.”

Testori M., Andersson P., Iacono S.L., Moscariello P., Vu T.T. (to be submitted to Games and Economic Behavior) “Inequality and Belief: When we cooperate with the rich?”

Nieper\*, A.S., Testori\*, M., Does Cruz T.D., Sleenbos E., Beersma B. (to be submitted to Evolution and Human Behavior) “Gossip and Reactions to Unfair Offers”

## AWARDS AND GRANTS

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2018	PSY-GAMES EXPERIMENT GRANT Psychological Game Theory Summer School	€ 1000
2018	IAREP FELLOWSHIP	€ 200
2018	FESTIVAL OF DOCTORAL RESEARCH PGR Student Research Case, Informative Category	£ 75
2016-2019	SCHOLARSHIP PHD	

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## CONFERENCES AND EVENTS

2019 Invited presenter at STEM for BRITAIN, London, House of Parliament  
“How do individuals’ personality traits influence community survival?”

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## SKILLS

Programming languages	Matlab (Expert), R (Advanced), Python (Intermediate), C++ (Intermediate)
Software	oTree (Advanced), LaTeX (Expert), Netlogo (Intermediate)
Languages	Italian (mother tongue), English (C2), German (A2)