

Simon Gorin

PHD · POSTDOCTORAL RESEARCHER IN PSYCHOLOGICAL SCIENCE

Belgian · 11th June 1989

Überlandstrasse 12, 3900 Brig, Switzerland (Office)

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ℹ Simon_Gorin | ☎ 0000-0001-7462-0446 | 📄 Google Scholar



Profile

Good skills learning, adaptation capacities and ability to deal with new challenges

Developed creativity, self-starter and flexible

Interests in team working, energetic and good leadership skills

Problem-solver, methodical and reliable

Positions

Postdoctoral Researcher

STELLAR LEARNING GROUP (PROF. N. ROTHEN AND PROF. T. REBER) | SWISS DISTANCE LEARNING INSTITUTE

May. 2020–ongoing

Switzerland

Lecturer

FACULTY OF SOCIAL AND POLITICAL SCIENCES | UNIVERSITY OF LAUSANNE

Aug. 2019–ongoing

Switzerland

Postdoctoral Researcher and Teaching Assistant

DEVELOPMENTAL COGNITIVE PSYCHOLOGY RESEARCH UNIT (PROF. P. BARROUILLET) | UNIVERSITY OF GENEVA

Sep. 2017–Jul. 2020

Switzerland

Research Fellow

PSYCHOLOGY AND NEUROSCIENCE OF COGNITION RESEARCH UNIT (PROF. S. MAJERUS) | UNIVERSITY OF LIÈGE

Jun. 2017–Aug. 2017

Belgium

Doctoral Researcher

PSYCHOLOGY AND NEUROSCIENCE OF COGNITION RESEARCH UNIT (PROF. S. MAJERUS) | UNIVERSITY OF LIÈGE

Oct. 2012–May 2017

Belgium

Teaching experience

Seminar on *Elaboration of a Research Project: Music Cognition*

2019–20/2020–21

BACHELOR LEVEL (6 ECTS; 56H) | UNIVERSITY OF LAUSANNE | FACULTY OF SOCIAL AND POLITICAL SCIENCES

- Topics taught: Introduction to the psychology of music, introduction to research in psychological sciences, scientific epistemology, good practices in psychological sciences, elaborating a scientific research question, elaborating a research plan, building of a scientific bibliography

Digital activities and their development (Main teacher: Prof. P. Barrouillet)

Spring 2019/2020

BACHELOR LEVEL (2019: 10H / 2020: 4H) | UNIVERSITY OF GENEVA | FACULTY OF PSYCHOLOGY AND

EDUCATIONAL SCIENCES

- Topics taught: Numeric cognition in animals, numeric cognition in children, verbal numerical chain, quantification, operations, problem solving, dyscalculia, theories of dyscalculia

Education

PhD in Psychology

2012–2017

PSYCHOLOGY AND NEUROSCIENCE OF COGNITION RESEARCH UNIT | FACULTY OF PSYCHOLOGY, SPEECH AND

LANGUAGE THERAPY, AND EDUCATION | UNIVERSITY OF LIÈGE

- Thesis title: *Exploration of the cognitive processes underlying musical short-term memory*
- Supervisor: Pr. Steve Majerus

Master of Science Degree in Psychology

2010–2012

FACULTY OF PSYCHOLOGY, SPEECH AND LANGUAGE THERAPY, AND EDUCATION | UNIVERSITY OF LIÈGE

Belgium

- Thesis title: *Influence of long-term memory and expertise on musical short-term memory*
- Supervisor: Pr. Steve Majerus
- Achievement: *Magna cum laude*

- Achievement: *Cum laude*

Research interests

Human memory

Short-term and working memory; memory for speech and music; cross-domains comparisons

Serial order

Serial order phenomena in speech and music; relationship between serial order and rhythm; domain-general aspects; role of serial order in musical learning

Musical cognition

Musical perception; musical factors influencing memory for music; relationship between memory capacities for music and singing proficiency; relationship between musical expertise/learning and cognitive abilities

Grants and awards

Jul. 2020	Study visit grant from the <i>Experimental Psychology Society</i> . The grant will support a 4-week visit to the Department of Psychology at the University of York to work with Dr Tom Hartley on modelling rhythm in serial order short-term memory (planned for January 2021).	£ 2700
Dec. 2018	Reg and Molly Buck Award from the <i>Society for Education, Music and Psychology Research (SEMPRE)</i> to support a post-doctoral research project entitled “Maintenance in musical short-term memory: exploration of the role of sensorimotor processes” (in collaboration with Dr. Emma Greenspon)	£ 2500
Nov. 2018	Mobility grant from the Swiss Academy of Humanities and Social Sciences for attending the 59 th <i>Annual Meeting of the Psychonomic Society</i> , 15–18 November 2018, New-Orleans, LA, USA	CHF 440
Nov. 2018	Mobility grant from the Presidency of the Psychology Section of the University of Geneva for attending the 59 th <i>Annual Meeting of the Psychonomic Society</i> , 15–18 November 2018, New-Orleans, LA, USA	CHF 899
Jul. 2018	Mobility grant from the Presidency of the Psychology Section of the University of Geneva for attending the <i>Fifth European Summer School on Computational and Mathematical Modelling of Cognition</i> , 7–21 July 2018, Couches, France	CHF 1000
Aug. 2013	Mobility grant from the Fund for Scientific Research–FNRS (Belgium) for attending the <i>biennial meeting of the Society for Music Perception and Cognition</i> , 8–11 August 2013, Toronto, Canada	EUR 625
Oct. 2012	Doctoral Scholarship (4 years grant) funded under a FRESH grant from the Fund for Scientific Research–FNRS	
Oct. 2012	Doctoral Scholarship (4 years grant – DECLINED)* funded under a NON-FRIA grant from the University of Liège	
	*The grant has been declined in January 2013 after obtaining another doctoral scholarship from the Fund for Scientific Research–FNRS	
May 2012	Best poster award at the first <i>joint international meeting of the Belgian and Spanish societies for psychological sciences (BAPS-SEPEX)</i> , 10–11 May 2012, Liège, Belgium	EUR 150

Scientific publications

For the manuscripts I am not listed as a first author, my contribution to the research is detailed using the *CRedit* taxonomy (see <https://casrai.org/credit/>).

Peer-reviewed manuscripts

PUBLISHED

- **Gorin, S.** (2020). The influence of rhythm on short-term memory for serial order. *Quarterly Journal of Experimental Psychology*. <https://doi.org/10.1177/1747021820941358>
- **Gorin, S., & Majerus S.** (2019). Verbal and musical short-term memory: evidence for shared serial order processes? *Psychologica Belgica*, 59(1), 177–205. <https://doi.org/10.5334/pb.426>
- **Gorin, S., Mengal, P., & Majerus, S.** (2017). Temporal grouping effects in musical short-term memory. *Memory*, 6(6), 831–843. <https://doi.org/10.1080/09658211.2017.1414848>
- **Gorin, S., Mengal, P., & Majerus, S.** (2017). A comparison of serial order short-term memory effects across verbal and musical domains. *Memory & Cognition*, 46(3), 464–481. <https://doi.org/10.3758/s13421-017-0778-0>

- **Gorin, S.**, Kowaliewski, B., & Majerus, S. (2016). Domain-generalty of timing based serial order processes in short-term memory: New insights from musical and verbal domains. *PLOS ONE*, 11(12), e0168699. <https://doi.org/10.1371/journal.pone.0168699>

ACCEPTED FOR PUBLICATION

- Barrouillet, P., **Gorin, S.**, & Camos V. (2020, in revision). Simple spans underestimate verbal working memory capacity. *Journal of Experimental Psychology: General*. [Contribution: formal analysis, investigation, methodology, project administration, software, validation, visualization, writing (original draft)]

IN-PRINCIPLE ACCEPTANCE OF REGISTERED REPORTS

- Elliott, E., Bell, R., **Gorin, S.**, Robinson, N., & Marsh, J. (2020). Stage 1 Registered Report: Can the irrelevant sound effect be studied online? A comparison between web- and laboratory-based experimentation. *Journal of Cognitive Psychology* [Contribution: data curation, methodology, software, writing - original draft (methods)]

Papers in conference proceedings

- **Gorin, S.**, & Majerus, S. (2015). Common serial order processes in musical and verbal short-term memory: Evidence from novel serial order probe recognition paradigm. In J. Ginsborg, A. Lamont, M. Phillips, & S. Bramley (Eds.), *Proceedings of the Ninth Triennial Conference of the European Society for the Cognitive Sciences of Music*. Manchester, United Kingdom.

Pre-print (not peer-reviewed)

- Mihaylova, M., **Gorin, S.**, Reber, T. P., & Rothen, N. (2020, August 13). A Meta-Analysis on Mobile Assisted Language Learning Applications Reveals Moderate Learning Benefit and Significant Publication Bias. <https://doi.org/10.31219/osf.io/ux93y>. [Contribution: methodology, software, data curation, validation]

Submitted

- Kowaliewski, B., **Gorin, S.**, & Majerus, S. (2020). Semantic knowledge constrains the processing of serial order information in working memory. [Contribution: conceptualization, methodology, validation, writing - review & editing]

Invited oral presentations

- **Gorin, S.** (2019, December). *Is serial order processing in working memory domain-general? A comparison between musical and verbal domains*. Psycholinguistics lab seminar, University of Geneva, Geneva, Switzerland.
- **Gorin, S.** (2019, July). *On the general laws of serial order in working memory: Ambizione project presentation*. Invited presentation at the Distance Learning University, Brig, Switzerland.

Oral presentations

- **Gorin, S.** (2020, June). *Temporal grouping effects on short-term memory for tones*. Oral presentation at the Virtual Working Memory Symposium, 1–4 June 2020.
- Greenspon, E., & **Gorin, S.** (2020, March). *The role of subvocalization in pitch short-term memory*. Oral presentation at the Annual Meeting of the Eastern Psychological Association, 12–14 March 2020, Boston, MA, USA.
- **Gorin, S.** (2020, February). *Sequence learning in musical short-term memory: Exploration of the Hebb repetition effect*. Oral presentation at the 3rd Swiss Working Memory Meeting, 7 February 2020, Fribourg, Switzerland.
- Barrouillet, P., **Gorin, S.**, & Camos, V. (2019, November). *On the dual structure of verbal working memory*. Oral presentation at the 60th Annual Meeting of the Psychonomic Society, 14–17 November 2019, Québec, Canada.
- **Gorin, S.** (2019, September). *Is memory slave to the rhythm? Focus on the role of timing and temporal factors in verbal short-term memory*. Oral presentation at the 21st Meeting of the European Society for Cognitive Psychology, 26 September 2019, Tenerife, Spain.
- Barrouillet, P., Camos, V., & **Gorin, S.** (2019, September). *How to make the phonological similarity effect disappear?* Oral presentation at the 21st Meeting of the European Society for Cognitive Psychology, 26 September 2019, Tenerife, Spain.
- **Gorin, S.** (2019, March). *The Hebb repetition effect in musical short-term memory for serial order*. Oral presentation at the 2nd Swiss Working Memory Meeting, 15 March 2019, Fribourg, Switzerland.
- Barrouillet, P., **Gorin, S.**, & Camos, V. (2018, November). *Miller's Error: Short-Term Memory Spans Do Not Measure One, but Two Capacities*. Oral presentation at the 59th Annual Meeting of the Psychonomic Society, 15–18 November 2018, New-Orleans, LA, USA.
- Barrouillet, P., **Gorin, S.**, & Camos, V. (2018, August). *Miller's error: short-term memory spans do not measure the content of a (single) memory store*. Oral presentation at the 9th European Working Memory Symposium, Pavia, Italy.
- **Gorin, S.** (2018, July). *Musical short-term memory: Using modeling techniques to explore the nature of serial order representations*. Oral presentation at the 5th European Summer School on Computational and Mathematical Modeling of Cognition, Couches, France.
- Kowaliewski, B., **Gorin, S.**, & Majerus, S. (2017, May). *Does semantic knowledge influence serial order processing in short-term memory?* Oral presentation at the annual meeting of the Belgian Association for Psychological Sciences, Brussels, Belgium.
- **Gorin, S.**, Mengal, P., & Majerus, S. (2016, September). *Short-term memory for serial order in musical and verbal domains: Comparison between musicians and nonmusicians*. Oral presentation at the 8th European Working Memory Symposium, Liège, Belgium.
- **Gorin, S.**, & Majerus, S. (2015, August). *Common serial order processes in musical and verbal short-term memory: Evidence from a novel serial order probe recognition paradigm*. Oral presentation at the 9th triennial conference of the European Society for the Cognitive Sciences of Music, Manchester, United Kingdom.
- **Gorin, S.**, Kowaliewski, B., Céspedes Ortiz, C., & Majerus, S. (2015, August). *Serial temporal order information in musical and verbal short-term memory*. Oral presentation at the biennial meeting of the Society for Music Perception and Cognition, Nashville, TN.
- **Gorin, S.**, & Majerus, S. (2014, May). *Domain generality of serial order in short-term memory: Evidence from musical and verbal domains*. Oral presentation at the annual meeting of the Belgian Association for Psychological Sciences, Leuven, Belgium.

Poster presentations

- **Gorin, S.**, & Greenspon, E. (2020, September). *Short-term memory for music: the role of the vocal motor system?* Virtual poster presented at the the 10th European Working Memory Symposium.
- **Gorin, S.** (2018, November). *Is serial order reconstruction of tone sequences influenced by rhythmic grouping?* Poster presented at the 59th Annual Meeting of the Psychonomic Society, New-Orleans, LA, USA.
- **Gorin, S.** (2018, August). *The influence of temporal grouping on serial reconstruction of tone sequences.* Poster presented at the 9th European Working Memory Symposium, Pavia, Italy.
- Kowialiewski, B., **Gorin, S.**, & Majerus, S. (2018, August). *Effects of semantic and temporal grouping on serial order processing.* Poster presented at the 9th European Working Memory Symposium, Pavia, Italy.
- **Gorin, S.** (2018, July). *On the nature of serial order mechanisms in musical short-term memory.* Poster presented at the 5th European Summer School on Computational and Mathematical Modeling of Cognition, Couches, France.
- Diongzon, V.-D., & **Gorin, S.** (2018, June). *Is temporal grouping beneficial for musical short-term memory for serial order?* Poster presented at the 3rd Jean Piaget conference: The origin of numbers, Geneva, Switzerland.
- Kowialiewski, B., **Gorin, S.**, & Majerus, S. (2017, September). *Semantic similarity finally interacts with serial order processing in short-term memory.* Poster presented at the 20th conference of the European Society for Cognitive Psychology, Potsdam, Germany.
- Kowialiewski, B., **Gorin, S.**, & Majerus, S. (2017, April). *La similarité sémantique influence-t-elle le traitement de l'ordre en mémoire à court terme?* Poster presented at the École Thématique TRANSMEM, Hyères, France.
- Kowialieski, B., **Gorin, S.**, & Majerus, S. (2015, May). *Can item and serial order short-term memory components be distinguished in the musical short-term memory domain?* Poster presented at the annual meeting of the Belgian Association for Psychological Sciences, Brussels, Belgium.
- **Gorin, S.**, & Majerus, S. (2014, December). *Interaction between long-term memory and short-term memory: New evidence from the musical domain.* Poster presented at the EPOS working memory workshop, Amsterdam, The Netherlands.
- **Gorin, S.**, & Majerus, S. (2013, August). *Interactions with musical long-term memory are a critical component for musical working memory.* Poster presented at the biennial meeting of the Society for Music Perception and Cognition, Toronto, Canada.
- **Gorin, S.**, & Majerus, S. (2013, May). *Interaction between short-term and long-term memory in the musical domain: The impact of musical knowledge and musical expertise.* Poster presented at the annual meeting of the Belgian Association for Psychological Sciences, Louvain-La-Neuve, Belgium.
- **Gorin, S.**, & Majerus, S. (2012, September). *Implicit musical sequence learning and short-term memory: Further evidence for the universality of long-term memory mechanisms in short-term memory.* Poster presented at the Lifespan Perspectives on Implicit and Explicit Learning Symposium, Brussels, Belgium.
- **Gorin, S.**, & Majerus, S. (2012, May). *The impact of implicit musical sequence learning on short-term memory for music.* Poster presented at the joint international meeting of the Belgian and Spanish societies for psychological sciences (BAPS-SEPEX), Liège, Belgium.

Reviewing activities

Ad hoc reviewer for Experimental Psychology (2×)
Journal of Cognitive Psychology (1×)
Journal of Experimental Psychology: Learning, Memory, and Cognition (5×)
PLOS ONE (1×)
Psychonomic Bulletin and Review (2×)

 [Publons profile](#)

Research supervision

Research assistant

- **L. Monnet** (master student) | University of Geneva Apr.–May. 2019
Worked on a project entitled “Maintenance in musical short-term memory: exploration of the role of sensori-motor processes”
Funded by a *Reg and Molly Buck Award* from the *Society for Education, Music and Psychology Research*
- **I. Jacot** (master student) | University of Geneva Apr.–May. 2019
Worked on a project entitled “Maintenance in musical short-term memory: exploration of the role of sensori-motor processes”
Funded by a *Reg and Molly Buck Award* from the *Society for Education, Music and Psychology Research*

Master thesis

- **A. Grillet** | University of Geneva (Switzerland) 2018–ongoing
Thesis topic: The Hebb repetition effect in musical short-term memory for serial order
Co-supervised with Prof. Pierre Barrouillet
- **C. Sequeira Pinto** | University of Geneva (Switzerland) 2018–ongoing
Thesis topic: The influence of rhythmic variations of processing episodes on working memory capacities
Co-supervised with Prof. Pierre Barrouillet

- **S. Akaoglu** | University of Geneva (Switzerland) 2018–2019
Thesis topic: Temporal grouping effects in serial order reconstruction for tone sequences
Co-supervised with Prof. Pierre Barrouillet
- **V.-D. Diongzon** | University of Geneva (Switzerland) 2017–2018
Thesis topic: Temporal grouping effects in serial order reconstruction for tone sequences capacities
Co-supervised with Prof. Pierre Barrouillet
- **P. Mengal** | University of Liège (Belgium) 2015–2016
Thesis topic: The effect of temporal grouping in serial order short-term memory for music
Co-supervised with Prof. Steve Majerus
- **S. Foveau** | University of Liège (Belgium) 2012–2013
Thesis topic: Musical short-term memory and implicit learning in eight years old children
Co-supervised with Prof. Steve Majerus

Master research internship

- **C. Céspedes Ortiz** | University of Liège (Belgium) 2015–2016
Topic: The influence of pitch proximity on musical short-term memory for item and serial order information: Part 2
Co-supervised with Prof. Steve Majerus
- **C. Céspedes Ortiz** | University of Liège (Belgium) 2014–2015
Topic: The influence of pitch proximity on musical short-term memory for item and serial order information: Part 1
Co-supervised with Prof. Steve Majerus
- **B. Kowialiewski** | University of Liège (Belgium) 2013–2014
Topic: Comparison of interfering effects on short-term memory for item and serial order information between verbal and musical domains
Co-supervised with Prof. Steve Majerus

Bachelor research project

- The effect of rhythmic priming on verbal serial order short-term memory (1 student, co-supervised with Prof. Pierre Barrouillet, University of Geneva, Switzerland) 2018–2019
- Interactions between temporal and semantic grouping effects in verbal short-term memory for serial order (2 students, co-supervised with Prof. Steve Majerus and B. Kowialiewski, University of Liège, Belgium) 2016–2017
- Comparison of serial order recall processes in the musical and the verbal domains (4 students, co-supervised with Prof. Steve Majerus, University of Liège, Belgium) 2015–2016
- Comparison of the cognitive processes involved in musical and verbal short-term memory: Part 2 (5 students, co-supervised with Prof. Steve Majerus, University of Liège, Belgium) 2015–2016
- Interfering effects on short-term memory for item and serial order information in verbal and musical domains (1 student, co-supervised with Prof. Steve Majerus, University of Liège, Belgium) 2014–2015
- Comparison of the cognitive processes involved in musical and verbal short-term memory: Part 1 (4 students, co-supervised with Prof. Steve Majerus, University of Liège, Belgium) 2013–2014

Master thesis jury member

Marquis, A., (2016). *L'agressivité et l'exposition à un contenu violent dans les jeux vidéo chez les adolescents*, Master thesis in clinical psychology. Faculty of Psychology, Speech and Language Therapy, and Education, University of Liège, Belgium.

Boulonnais, É., (2015). *Effet de la métrique sur la justesse vocale et son évaluation*, Master thesis in speech and language therapy. Faculty of Psychology, Speech and Language Therapy, and Education, University of Liège, Belgium.

Hennes, E., (2015). *Perception de la justesse mélodique en contexte musical*, Master thesis in speech and language therapy. Faculty of Psychology, Speech and Language Therapy, and Education, University of Liège, Belgium.

Zuba, I., (2015). *Définition de la justesse en contexte mélodique*, Master thesis in speech and language therapy. Faculty of Psychology, Speech and Language Therapy, and Education, University of Liège, Belgium.

Committees in scientific conferences

- 2019 **Organizer** of a symposium entitled “Is memory slave to the rhythm? Focus on the role of timing and temporal factors in verbal short-term memory”, hold during the 21st conference of the European Society for Cognitive Psychology (ESCP), 25–28 September *Tenerife, Spain*
- 2018 **Organizing committee** for the 3rd Jean Piaget Conferences “The origin of number”, 28–29 June *Geneva, Switzerland*
- 2016 **Organizing committee** for the 8th European Working Memory Symposium (EWOMS 8) on Cognitive and Neural models of Working Memory, 31 August–2 September *Liège, Belgium*

Academic responsibilities

- May. 2020 **Commission member** for the nomination of Prof. Nary Golestani to the position of Associate Professor, Faculty of Psychology and Educational Sciences, University of Geneva, Switzerland
- Nov. 2019 **Secretary** of the *Association of teaching and research collaborators in psychology*, Faculty of Psychology and Educational Sciences, University of Geneva, Switzerland
- Jul. 2020 **Secretary** of the *Association of teaching and research collaborators in psychology*, Faculty of Psychology and Educational Sciences, University of Geneva, Switzerland
- Apr. 2019 **Delegation member** for the nomination to the position of Professor in Clinical and Handicap Psychology, Faculty of Psychology and Educational Sciences, University of Geneva, Switzerland
- Oct. 2018 **Commission member** for the regularization of Dr. Tobias Brosch to the position of Associate Professor, Faculty of Psychology and Educational Sciences, University of Geneva, Switzerland

Skills

- Modeling** Mathematical and computational modeling (elementary skills)
- R** Data computing and processing (intermediate skills)
Frequentist and Bayesian statistical analyses (intermediate skills)
Programming (elementary skills)
- Statistica** Frequentist statistical analyses (advanced skills)
- JASP** Frequentist and Bayesian statistical analyses (advanced skills)
- Python** Programming (elementary skills)
- OpenSesame** Experiment presentation software (advanced skills)
- LaTeX** High-quality typesetting software (intermediate skills)
- Audacity** Sound processing and edition (intermediate skills)
- Praat** Sound processing and analysis (elementary skills)
- Languages** French and english