

Simon Faghel-Soubeyrand

Curriculum Vitae

Education

- 2017–present **Ph.D cognitive-neuroscience**, *University of Montreal*.
Grade point average: 4.25/4.3
- 2015–2017 **M.Sc. experimental psychology**, *University of Montreal*.
Grade point average: 4.3/4.3
- 2012–2015 **B.Sc. psychology**, *University of Montreal*.
Grade point average: 4.04/4.3
**written on the Honorary Dean's list*

Research Experiences

- autumn 2019 **Visiting Postgraduate Researcher**, *University of Fribourg*, Switzerland.
APPLIED FACE COGNITION LAB [Dr. Meike Ramon]
EYE AND BRAIN MAPPING LABORATORY [Dr. Roberto Caldara]
- 2018, 2019 **Visiting Postgraduate Researcher**, *University of Birmingham*, United-Kingdom.
CHAREST LAB [Dr. Ian Charest]

Distinctions and Awards

- 2021-
V-VSS 2021 Elsevier/Vision Research Travel Award. Vision Science Society.
- 2020-
University of Montreal's Google doctoral scholarship. Google. 20 000 \$
Bourse d'études dans le domaine de l'intelligence artificielle. University of Montreal. 10 000 \$
Research training scholarship. Mitacs and etudes superieures et postdoctorales. 6000 \$
- 2019-
MEES Mobility scholarship. Ministere de l'Education et de l'Enseignement Superieur. 3000 \$
FESP prize for best oral presentation. University of Montreal. 350 \$
- 2018-
Quebec Bio-Imaging Network scholarship. Quebec Bio-Imaging Network. 4000 \$
Mitacs Globalink scholarship for internship abroad. Mitacs. 6000 \$
Written on the Honorary Dean's list. University of Montreal.
CPA Academic Excellence Certificate for M.Sc. . Canadian Psychological Association.
- 2017-
Postgraduate Canada Scholarship. NSERC. 63 000 \$
J-A de Seve Doctorate's Excellence Scholarship. University of Montreal. 5000 \$
- 2016-
Master's Performance Scholarship. Vision Health Research Network. 8000 \$
Edouard Mont-Petit–Manuvie Excellence Scholarship. University of Montreal. 5000 \$
Best poster presentation award. Centre de Recherche en Neuropsychologie et Cognition. 250 \$
Master's Research Scholarship. Fonds Quebecois de Recherche Nature et technologies. 15 000 \$
Alexander Graham Bell Canada M.Sc. Graduate Scholarships. NSERC. 17 500 \$
J-A de Seve Master's Excellence Scholarship. University of Montreal. 5000 \$
- 2015-
UG Student Research Awards. NSERC. 5600 \$
Initiation to Vision Research Award. Vision Health Research Network. 2000 \$

Research Funding

-2018- **Impact Acceleration Account.** British Economic and Social Research Council. £15 000

Peer reviewed publications

- Faghel-Soubeyrand, S.**, Lecomte, T., Bravo, M. A., Lepage, M., Potvin, S., Abdel-Baki, A., Villeneuve, M., and Gosselin, F. (2020). Abnormal visual representations associated with confusion of perceived facial expression in schizophrenia with social anxiety disorder. *NPJ Schizophrenia*, 6(1), 28. <https://doi.org/10.1038/s41537-020-00116-1>
- Faghel-Soubeyrand, S.**, Alink, A., Bamps, E., Gosselin, F. and Charest, I. (2019). Visual representations supporting category-specific information about visual objects in the brain. *Cognitive Computational Neuroscience*, Berlin. **Conference paper.**
- Faghel-Soubeyrand, S.**, Dupuis-Roy, N. and Gosselin, F. (2019). Inducing the use of right-eye enhances face-sex categorization performance. *Journal of Experimental Psychology: General*.
- Dupuis-Roy, N., **Faghel-Soubeyrand, S.** and Gosselin, F. (2018). Time course of the use of chromatic and achromatic facial information for sex categorization. *Vision Research*.
- Gosselin, F. and **Faghel-Soubeyrand, S.** (2017). Stationary objects flashed periodically appear to move during smooth pursuit eye movement. *Perception*, 46(7), 874-881.

Selected abstracts and international communications

- Faghel-Soubeyrand, S.**, Ramon, M. Bamps, E., Zoia, M., Woodhams, J., Alink, A., Gosselin, F. and Charest, I. (2021). Decoding real-world visual recognition abilities in the human brain. Vision Science Society 21st meeting. *Journal of Vision*
- Gervais, R., **Faghel-Soubeyrand, S.**, Tardif, J., and Gosselin, F. (2021). Using EEG frequency-tagging to measure visual representations of faces. Vision Science Society 21st meeting. *Journal of Vision*
- Faghel-Soubeyrand, S.**, Ramon, M. Bamps, E., Zoia, M., Woodhams, J., Alink, A., Gosselin, F. and Charest, I. (2020). Multivariate pattern analysis reveals domain-general enhancement of visual representations in individuals with "super-recognition" of faces. Vision Science Society 20th meeting. *Journal of Vision*
- Faghel-Soubeyrand, S.**, Alink, A., Bamps, E., Gervais, R-M, Gosselin, F. and Charest, I. (2019). The two-faces of recognition ability: better face recognizers extract different physical content from left and right sides of face stimuli. Vision Science Society 19th meeting. *JOV*
- Bamps, E., **Faghel-Soubeyrand, S.**, Gosselin, F. Charest, I. (2019). The influence of Face Recognition Expertise on Representational Similarity in the Brain. Annual meeting of the Belgian Association for Psychological Sciences, Liege.
- Faghel-Soubeyrand, S.**, Lecomte T., Pennou, A., and Gosselin, F. (2018). Coarse information drives confusion of perceived emotion in schizophrenia. Vision Science Society 18th meeting. *JOV*
- Faghel-Soubeyrand, S.** and Gosselin, F (2017) Induction of facial feature usage in naive individuals reveals causal factors of face recognition ability. 40th European Conference on Visual Perception, Berlin. *Perception*
- Faghel-Soubeyrand, S.** and Gosselin, F (2017). Task-modulated integration of facial features in the brain. Vision Science Society 17th meeting. *JOV*
- Faghel-Soubeyrand, S.** and Gosselin, F (2016). Skilled face recognizers have higher contrast sensitivity in the right hemifield. 39th European Conference on Visual Perception, Barcelona. *Perception*.
- Faghel-Soubeyrand, S.**, Dupuis-Roy, N. and Gosselin, F. (2016). Why do better face recognizers use the left eye more? Vision Science Society 16th meeting. *JOV*
- Gosselin, F., Couet-Garand, A., **Faghel-Soubeyrand, S.** and Dupuis-Roy, N. (2014). Greater usage of the left eye causes better facial gender discrimination. Vision Science Society 14th annual meeting, *JOV*.

Talks at international conferences

- Faghel-Soubeyrand, S.**, Ramon, M. Bamps, E., Zoia, M., Woodhams, J., Alink, A., Gosselin, F. and Charest, I. (2021). Decoding real-world visual recognition abilities in the human brain. Vision Science Society 21st meeting.

Invited talks

- Abnormal visual representations in schizophrenia.** Université du Québec en Outaouais, Canada, October 2020.
- Measuring idiosyncratic visual representations from brain and psychophysical data.** University of Fribourg's Lunchtime Seminar, Switzerland, October 2019.
- Mapping the features for age classification.** Research Advisory Group of the Center for Applied Psychology, University of Birmingham, United Kingdom, November 2019.
- Introduction to Social Neurosciences.** University of Montreal, Canada, November 2018.

communications in national conferences

- Faghel-Soubeyrand, S.,** Ramon, M., Bamps, E., Zoia, M., Woodhams, J., Alink, A., Gosselin, F. and Charest, I. (2020). Les dynamiques cérébrales d'individus avec une habileté extraordinaire en reconnaissance faciale. 42th congrès Société Québécoise pour la recherche en Psychologie (SQRP).
- Faghel-Soubeyrand, S.,** Alink, A., Bamps, E., Gervais, R., Gosselin, F., Charest, I. (2019). L'implémentation des représentations visuelles idiosyncratiques au sein du cortex. University of Montreal, Canada.
- Faghel-Soubeyrand, S.,** Dupuis-Roy, N., Gosselin, F. (2018). Right hemisphere superiority for facial recognition explains why we are biased toward the use of the left eye when processing faces. 24th CERNEC conference, Saint-Sauveur, Canada.
- Faghel-Soubeyrand, S.** Dupuis-Roy N., Gosselin, F. (2017) Methods to qualitatively change face perception. University of Montreal, Canada.
- Faghel-Soubeyrand, S.** Dupuis-Roy N., Gosselin, F. (2015). Deux méthodes pour modifier qualitativement la perception des visages. 37e Congrès annuel de la SQRP, Gatineau, Canada.
- Faghel-Soubeyrand, S.** and Gosselin, F. (2016). Skilled face recognizers have higher contrast sensitivity in the right hemifield. 39th European Conference on Visual Perception, Barcelona. Perception.
- Faghel-Soubeyrand, S.,** Gosselin, F. (2015). Un biais de traitement spécifique à l'hémisphère droit explique que l'utilisation de l'œil gauche cause une meilleure reconnaissance du genre des visages. 21e congrès RRSV, Québec, Canada.
- Faghel-Soubeyrand, S.,** Dupuis-Roy N., Gosselin, F. (2015). Discovering causal relations between the use of the visual information and diverse variables of interests using high-level perceptual learning. 22e 24e J.Sci.CERNEC, Saint-Sauveur, Canada.
- Faghel-Soubeyrand, S.,** Couet-Garand, A., Dupuis-Roy, N., Ferland, M., Therrien-Blanchet, J. Gosselin, F. (2014). Induction d'une stratégie spécifique pour la reconnaissance du genre des visages. Dept de Psychologie, Montreal, Canada.
- Jutras, A., Coupal, C., Picard, M., Rey, G., **Faghel-Soubeyrand, S.,** Charest, I., Gosselin, F. (2019). Différentes stratégies perceptuelles pour la reconnaissance d'émotions chez les individus neurotypiques avec traits autistiques. University of Montreal
- Dalbec, P., Lambert-Charette, G., Poupart, N, **Faghel-Soubeyrand, S.,** Charest, I., Gosselin, F. (2019). L'influence des traits autistiques sur les stratégies de reconnaissance visuelle d'objets animés et inanimés. University of Montreal
- Breton, J., Couture-Boivin, D., Frenette, A., Saggadi, I., **Faghel-Soubeyrand, S.,** Charest, I., Gosselin, F. (2019). Variation de la stratégie visuelle en fonction du quotient autistique dans la discrimination de scènes. University of Montreal
- Grand-Maitre, C., Hadid, V., MacLean, M., Higgins, M., Lepore, F., **Faghel-Soubeyrand, S.** (2018). Oscillatory activity specific to peripheral emotional treatment induced by a visual steady state. 23rd annual meeting of the Vision Health Research Network. Montreal, Qc.

Teaching positions

Lecturer	University de Montreal
PSY2038/PSY6976: Programming in cognitive-neuroscience	(2020)
PSY2007: Visual Cognition laboratory	(2019)
Teaching Assistant	University de Montreal
PSY1048: Neuroanatomy and Neurophysiology of systems	(2018, 2017, 2016)
PSY1049: Neurosciences of cognition and behavior	(2017, 2018)

Programming languages

Matlab, Python.

Basics in C++, \LaTeX

Reviewer

Scientific Reports. Vision Research. Conciousness and Cognition