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'etudes 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 $

6301 av. Casgrain – H2S 2Z2, Birmingham
simon.faghel-soubeyrand@umontreal.ca

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., Lecompte 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.

6301 av. Casgrain – H2S 2Z2, Birmingham
simon.faghel-soubeyrand@umontreal.ca

Invited talks

Abnormal visual representations in schizophrenia. Universite du Quebec 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 cerebrales d'individus avec une habilete extraordinaire en reconnaissance faciale. 42th congres Societe Quebecoise pour la recherche en Psychologie (SQRP).

Faghel-Soubeyrand, S., Alink, A., Bamps, E., Gervais, R., Gosselin, F., Charest, I. (2019). L'implementation des representations 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 biaised toward the use of the left eye when processing faces. 24thCERNEC 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 methodes pour modifier qualitativement la perception des visages. 37e Congres 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 specifique a l'hemisphere droit explique que l'utilisation de l'oeil gauche cause une meilleure reconnaissance du genre des visages. 21e congres RRSV, Quebec, 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 strategie specifique 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). Differentes strategies perceptuelles pour la reconnaissance d'emotions 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 strategies de reconnaissance visuelle d'objets animes et inanimes. University of Montreal

Breton, J., Couture-Boivin, D., Frenette, A., Saggadi, I., **Faghel-Soubeyrand, S.**, Charest, I., Gosselin, F. (2019). Variation de la strategie visuelle en fonction du quotient autistique dans la discrimination de scenes. 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. 23nd 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)

6301 av. Casgrain – H2S 2Z2, Birmingham
simon.faghel-soubeyrand@umontreal.ca

Programming languages

Matlab, Python.

Basics in C++, LaTeX

Reviewer

Behavior Research Methods. Scientific Reports. Vision Research. Conciousness and Cognition.

6301 av. Casgrain – H2S 2Z2, Birmingham
simon.faghel-soubeyrand@umontreal.ca