

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

### Distinctions and Awards

- 2020-  
**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*. 0 \$  
**CPA Academic Excellence Certificate for M.Sc.**. *Canadian Psychological Association*. 0 \$
- 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

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## Peer reviewed publications

- Faghel-Soubeyrand, S.**, Lecomte, T., Bravo, M.A, Lepage, M., Potvin, S., Abdel-Baki, A., Villeneuve, M., and Gosselin, F. (in press). Abnormal visual representations associated with confusion of perceived facial expression in schizophrenia with social anxiety disorder. *npj Schizophrenia*. NPJSCHZ-00490
- 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.

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## Selected abstracts and international communications

- 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.

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## 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 congrès 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 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 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 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., **Faghel-Soubeyrand, S.** Oscillatory activity specific to peripheral emotional treatment induced by a visual steady state. 23rd annual meeting of the Vision Health Research Network. Montreal, Qc.

## Invited speaker

**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.

**Representational dynamics supporting 'super-recognition' of faces.** Centre for Human Brain Health, University of Birmingham, United Kingdom, December 2019.

**Introduction to Social Neurosciences.** Département de Psychologie, University of Montreal, Canada, 2018.

## Teaching positions

<b>Lecturer</b>	University de Montreal
PSY2038/PSY6976: Programming in cognitive-neuroscience	(2020)
PSY2007: Visual Cognition laboratory	(2019)

<b>Teaching Assistant</b>	University de Montreal
PSY1048: Neuroanatomy and Neurophysiology of systems	(2018, 2017, 2016)
PSY1049: Neurosciences of cognition and behavior	(2017, 2018)
PSY2007: Visual Cognition laboratory	(2015, 2016)

## Programming languages

Matlab, Python.

Basics in C++,  $\text{\LaTeX}$

## Reviewer

Scientific Reports. Vision Research.