Johannes Frasnelli

Curriculum Vitae

Université du Québec à Trois-Rivières
Department of Anatomy
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Academic degrees and diplomas

Habilitation	**Privat-Dozent, P.D.** Experimental Otorhinolaryngology Technical University of Dresden, Germany Thesis: “The intranasal trigeminal system”	2009
Medical license	**License to practice medicine** Medical association Saxony (“Ärztekammer Sachsen”), Germany	2004
Medical doctorate	**Dr. med. univ., M.D.** University of Vienna, Austria Thesis: “Smell and taste in chronic renal failure”	2001

Academic positions and research experience

Full Professor	**Medical anatomy** Université du Québec à Trois-Rivières	2014-present
Researcher	**Olfactory function as a window to the brain** Research Center of the Sacre Coeur Hospital in Montréal “Chercheur régulier”	2013-present
Postdoctoral Fellow	**Higher order chemosensory processing** CERNEC, Université de Montréal, Montréal, QC, Canada fellowships by FRSQ and CIHR functional magnetic resonance imaging (fMRI), behavioral techniques	2010-14
Visiting Scientist	**Brain and pain, multisensory integration** Monell Chemical Senses Center, Philadelphia, PA activation lilkelihood estimation (ALE), fMRI, behavioral techniques	2010
Postdoctoral Fellow	**Crossmodal plasticity of chemosensory function** CERNEC and CHU Ste.-Justine, Université de Montréal, Montréal, QC, Canada fellowship by Fondation des étoiles near infrared spectroscopy (NIRS), fMRI, behavioral techniques	2008-09
Academic Trainee	**Neuroanatomical determinants of chemosensory perception** Montreal Neurological Institute, McGill University, Montréal chemosensory fMRI, positron emission tomography (PET), voxel based morphology (VBM), cortical thickness measures, behavioral techniques	2006-07
Research Associate	**Chemosensory systems and interactions in normal and model populations** Department. of Otorhinolaryngology, University of Dresden Medical School, Germany Event related potentials (ERP), negative mucosal potentials (NMP), fMRI, PET, proton transfer reaction mass spectrometry (PTR-MS), behavioral techniques, clinical work	2001-05
Clinical Assistant	**Diagnostics and treatment of chemosensory dysfunction** Department of Otorhinolaryngology, University of Vienna Medical School, Austria Behavioral techniques, clinical work	1999-01

Teaching experience

Regular courses

Seminar	**Séminaire de doctorat en sciences biomédicales (SBM6006)** Doctoral Seminar in Biomedical Sciences Département des sciences de l'activité physique, UQTR, Trois-Rivières, QC	2017-present
Course	**Laboratoire de neuroanatomie (ANI6002)** Neuroanatomy lab Département d'anatomie, UQTR, Trois-Rivières, QC	2014-present
Course	**Neurologie clinique (NRL1005)** Clinical neurology Département des sciences de l'activité physique, UQTR, Trois-Rivières, QC	2014-17
Course	**Exploration du cerveau humain/laboratoire du système nerveux central (ANI1019)** Exploration of the human brain/ Lab Central nervous system Département d'anatomie, UQTR, Trois-Rivières, QC	2014-present

Guest lecturer

Guest Lecturer	**Perception** • Département de psychologie, Université du Québec à Montréal, QC; D. Saint-Amour • Département de psychologie, Université de Montréal, Montréal, QC; S. Zahabi • Department of Psychology, McGill University, Montréal, QC; M. Roy • Département de psychologie, Université de Montréal, QC; M. Schoenwiesner	2013-present
Guest Lecturer	**Food and Culture** • Department of Sociology/Anthropology, Concordia University, Montréal, QC; A. Detollé • Département d'anthropologie, Université de Montréal, Montréal, QC; Y. Ben Haj Ali	2013-present
Guest Lecturer	**Neuroscience des systèmes (NRL-6051)** Département de physiologie, Université de Montréal, Montréal, QC; B. Stemmer	2010-present

Lecturer

Lecturer	**Scientific methods** "Chargé de cours"; Department of Psychology, Université de Montréal	2014
Lecturer	**Quantitative analysis in psychology 1** "Chargé de cours", Department of Psychology, Université de Montréal	2013-14

Teaching assistant

Demonstrator	**Travaux pratiques : Respiration, circulation et excrétion (BIO-3674)** Département de biologie, Université de Montréal, Montréal, QC, Canada; S. Molotchnikoff	2011-12
Teaching Assistant	**Problem oriented learning (POL)** University of Dresden Medical School, Dresden, Germany; T. Hummel	2003-05
Teaching Assistant	**Clinical internship in Otorhinolaryngology** University of Dresden Medical School, Dresden, Germany; T. Hummel	2001-03

Student supervision

Postdocs

Postdoc	**Jie Mei** "Machine learning in the detection of causes of olfactory dysfunction"; UQTR, Trois-Rivières, QC	2019-present
Postdoc	**Syrina Al Aïn** "Induced olfactory plasticity"; UQTR, Trois-Rivières, QC	2015-16

Graduate students

PhD student	**Benoit Jobin** "Chemosensory function in Subjective Cognitive Decline" Psychology, UQTR, Trois-Rivières, QC	2019-present

PhD student	**Cindy Levesque Boissonneault** "Chemosensory function and deglutition in patients with ENT cancer" Biomedical Sciences, UQTR, Trois-Rivières, QC	2019-present
PhD student	**Émilie Aubry Lafontaine** "Retronasal olfactory function in Parkinson's disease" Biomedical Sciences, UQTR, Trois-Rivières, QC	2017-present
PhD student	**Rayane Zahal** "Olfactory function as a predictor of conversion from MCI to dementia" Psychology, UdeM, Montréal, QC	2017-present
Master student	**Chloé Migneault-Bouchard** "The role of trigeminal sensitivity in Chronic Rhino-Sinusitis" Biomedical Sciences, UQTR, Trois-Rivières, QC	2018-present
PhD student	**Fanny Lécuyer-Giguère** "Olfactory function as a predictor of TBI outcome" Psychology, UdeM, Montréal, QC	2015-present
Master student	**Geneviève Nuckle** "The effects of olfactory training on cortical thickness" Biomedical Sciences, UQTR, Trois-Rivières, QC	2017-present
PhD student	**Cécilia Tremblay** "Chemosensory function in Parkinson's disease" Biomedical Sciences, UQTR, Trois-Rivières, QC	2016-present
PhD student	**Daphnée Poupon-Pourchot** "Neuroanatomy of olfactory specialists" Biomedical Sciences, UQTR, Trois-Rivières, QC	2015-present

Graduate students co-supervision

PhD student	**Simona Manescu** "The effect of labelling on odor perception" Psychology, Université de Montréal, Montréal, QC (co-supervision with F Lepore)	2011-19

Undergrads

Summer intern	**Lison Guibert-Berengier;** Medicine, Université de Montréal, QC	2019
Summer intern	**Andres Lizarraga;** Computer engineering, University of Guadalajara, Mexico	2019
Summer intern, Honors	**Benoit Jobin;** Psychology, Université de Montréal, QC	2018-19
Summer intern	**Chloé Migneault-Bouchard;** Biomedical Sciences, UQTR, Trois-Rivières, QC	2018
Summer intern	**Rosemarie Ouellet-Paradis;** Medical School, UQTR, Trois-Rivières, QC	2017
Summer intern	**William Durocher;** Medical School, UQTR, Trois-Rivières, QC	2017
Summer intern	**Salomé Archambault-Boisvert;** Biomedical Sciences, UQTR, Trois-Rivières, QC	2017
Intern	**Joanie Gagnon;** Medical School, UQTR, Trois-Rivières, QC	2017
Intern	**Carl-Antoine Leclerc**; Psychology; UQTR, Trois-Rivières, QC	2016-17
Summer intern	**Étienne Ouellet**; Medical School, UQTR, COPSE, Trois-Rivières, QC	2016
Summer intern	**Jean-Sébastien Tardif-Leblond**; Informatics, UQTR, Trois-Rivières, QC	2016
Summer intern	**Johane Lorvinsky;** Biomedical Sciences, COPSE, Université de Montréal, QC	2016
Summer intern	**Sherezada Ochoa**; Psychology, MITACS Globalink, Mexico, UQTR, Trois-Rivières, QC	2015
Summer intern	**Noémie Mercier**; Psychology, UQTR, Trois-Rivières, QC	2014-15
Summer intern	**Florence Lessard-Gingras**: Medical School, **COPSE,** Université de Montréal, QC	2014-2015

Funding

Principal Investigator

Pilot grant	**Chemosensory perception in Parkinson's disease: functional and structural brain imaging** Québec Bio-Imaging Network; $12,000	2018-19
Infrastructure grant	**Acquisition of an olfactometer** Fondation UQTR and Fondation Lemaire family; $350,000	2017-18
Research grant	**Chemosensory impairment in Parkinson's Disease** Pilot grant; Parkinson Society of Canada; $40,000	2017-18
Research grant	**Caractérisation trouble olfactif/ sensibilité trigéminale dans la maladie de Parkinson** Startup grant for research projects in collaboration CIUSSS MCQ-UQTR; $10,000	2016-17
Research grant	**L'effet d'une perte sensorielle et un rétablissement sur l'anatomie du cerveau** Programme à l'aide à l'internationalisation (PAIR); UQTR; $30,000	2016-18
Operation grant	**Olfactory function as a measure of cerebral reorganisation** FRQS Chercheur boursier Junior 1 installation grant; $60,000	2015-18
Salary grant	**Olfactory function as a measure of cerebral reorganisation** FRQS Chercheur boursier Junior 1; $246,321	2015-19
Operation grant	**Neuroanatomy of the chemical senses** NSERC Discovery Grants Program – Individual; $165,000	2015-19
Research Chair	**Chemosensory neuroanatomy** Chaire de recherche UQTR en neuro-anatomie chimio-sensorielle; $200,000	2015-19
Research grant	**Induced plasticity in the olfactory system** Québec Bio-Imaging Network; $12,500	2014-15
Installation grant	**New Professor Installation Grant** Université du Québec à Trois-Rivières; $10,000	2014-15
Research grant	**Olfactory function in screening for depression in traumatic brain injury** Consortium pour le développement de la recherche en traumatologie (AERDPQ, AQESSS, FRQS, MSSS, REPAR, SAAQ); $19,850	2014-15
Installation grant	**Olfaction as a window to the brain** Centre de Recherche de l'hôpital du Sacré-Cœur de Montréal; $100,000	2013-15
Research grant	**Intranasal Concentrations of Orally Administered Flavors** Short Term Scientific Mission; COST Action 921, European Union; €1,445	2005
Research grant	**Interaktion Riechen und Schmecken** MeDDrive Program, Technical University of Dresden, Germany; €3,500	2003

Co-PI

Research grant	**Plasticité neuronale chez population veillissante présentant antécédents de TCC léger** Canadian Institutes of Health Research, Catalyst Grant; PI: L. De Beaumont; $99,928	2013-14
Research grant	**Neural Correlates and Measures with Anosmia** Fonds für Wissenschaft und Forschung (FWF), Austria; PI: V. Schoepf; €289,719	2011-15

Postdoctoral fellowships

Postdoctoral fellowship	**Higher order chemosensory processing** Canadian Institutes of Health Research (CIHR); 2 years; $90'000	2011-13
Postdoctoral fellowship	**Higher order chemosensory processing** Fonds de Recherche en Santé Québec (FRSQ); 2 years; $60,000	2010-12
Postdoctoral fellowship	**Olfactory-visual crossmodal and olfactory plasticity in the brain** Fondation de Ste.-Justine/Fondation des étoiles; 2 years; $64,000	2008-09

Awards/Prizes

Award	**"Prix d'excellence à la relève UQ"** Award from the University; Selection to represent the UQTR at a provincial level	2018
Award of Excellence	**"Prix de la direction pour l'excellence de la prestation de travail"** Award of the University's board for the excellence of the work performance Awarded to the laboratory of anatomy	2016
Travel Award	**Polak Junior Scientist Travel Award** American Chemoreception Society (AChemS) XXXI, Sarasota, FL; US$600	2009
Travel award	**ECRO travel award** European Chemoreception Organization (ECRO); AChemS XXV, Sarasota, FL; €1,000	2003
Prize	**Förderpreis Chemosensorik** Working Group Olfactology/ Gustology in the German ENT-Society; €500	2002
Travel award	**AChemS travel award** American Chemoreception Society (AChemS); AChemS XXIV, Sarasota, FL; US$500	2002
Merit award	**"Leistungsstipendium"** University of Vienna, Austria; ATS15,000	2001
Support grant	**"Förderstipendium"** University of Vienna, Austria; ATS15,000	2001

Membership in Scientific Organizations

SSRI	Société Suisse Romande de Rhinologie (French Swiss Society of Rhinology)	2016-
RBIQ-QBIN	Quebec Bio-Imaging Network	2014-
CogNAC	Cognition Neuroscience Affect Behavior Research Group at UQTR	2014-
AChemS	Association of Chemoreception Sciences	2001-
ArGe Olf	Working Group Olfactology/ Gustology in the German ENT-Society	2000-2006
ECRO	European Chemoreception Society	2000-

Review Activities

1. Editor for Scientific Journals

Perception, i-perception

2. Reviewer for Scientific Journals

Journal of Neuroscience Methods; Neuroimage; Brain Research; International Journal of Psychophysiology; Acta Oto-Laryngologica; Clinical Neurophysiology; Behavioral Brain Research; Physiology and Behavior; Chemical Senses; Journal of Agricultural and Food Chemistry; Journal of Neurology; Neuroscience; Attention, Perception & Psychophysics; Human Brain Mapping; Journal of Neurology, Neurosurgery and Psychiatry; Experimental Biology; PloS One; Frontiers; European Journal of Neuroscience; Multisensory Research; Neuroscience Letters

3. Reviewer for National Granting Organizations

Canada	**Fonds de Recherche Québec – Nature et Technologie** Québec Research Funds – Nature and Technology	2015-present
Canada	**Fonds de Recherche Québec - Santé** Québec Research Funds - Health	2015-present
Israel	**The Israel Science Foundation (ISF)** Individual Research Grants	2015
Czech Republic	**Grantová agentura České republiky** Czech Science Foundation	2013
Romania	**Unitatea Executiva Pentru Finantarea Invatamantului Superior, a Cercetarii Dezvoltarii si Inovarii – UEFISCDI** Executive Agency for Higher Education, Research, Development and Innovation Funding	2011-present

France **Agence Nationale de la Recherche (ANR)** 2010
National Research Agency

Presentations and talks

Academic audiences

The intranasal trigeminal system 2019
Invited speaker. Summer School on Human Olfaction, Dresden, Germany

Was uns der Geruchsinn über das Gehirn erzählt 2019
Invited speaker. Aroma Botanica I, Eppan, Italy

L'odorat est atteint à la suite d'un traumatisme craniocérébral léger: un instrument de dépistage potentiel?
Invited speaker, Les conférences du CRIR, Montréal, QC

Olfactory-trigeminal interactions: from the nose to the brain 2019
Invited speaker, AChemS XLI, Bonita Springs, FL

Do blind individuals have superior olfactory abilities? 2018
Invited speaker, Department of Psychology, Stockholm University, Sweden

Olfactory and trigeminal systems in Parkinson's disease: a pathway to early detection? 2018
Invited speaker, EURAC, Bozen, Italy

Les troubles de l'odorat suite à un traumatisme cranio-cérébral : une fenêtre sur le cerveau 2018
Journée Trauma, Hôpital du Sacré-Coeur, Montréal, QC

Plasticity in the olfactory system 2018
The olfactory labs meeting, Dresden, Germany

Olfactory Dysfunction as a Consequence of Traumatic Brain Injury 2018
AChemS XL, Bonita Springs, FL

Effects of Olfactory Training on Measures of Functional and Structural Brain Imaging 2017
The Feindel Brain Imaging Lecture Series @ The BIC, Montreal Neurological Institute, McGill University, Montréal

The effects of olfactory training on brain structure and function 2017
Journée scientifique RBIQ, Montréal

Neuroanatomie fonctionnelle de l'odorat 2015
5à7 de la recherche, Psychologie, UQTR

Size matters. Functional neuroanatomy in the olfactory system 2015
Service d'ORL, Hôpital universitaire de Genève, Switzerland

Odorat et goût: Les sens chimiques chez la personne vieillissante 2015
Centre de Recherche de l'Institut de Gériatrie, Université de Montréal, Canada

Size matters. Functional neuroanatomy in the olfactory system 2015
Unité de Neuroimagerie, Université de Montréal, Canada

Size matters. Functional neuroanatomy in the olfactory system 2014
CNMPB, University of Göttingen, Germany

Size matters. Functional neuroanatomy in the olfactory system 2014
CIMEC, University of Trento, Italy

L'odorat, un sens sensible aux traumatismes cranio-cérébraux 2014
Neurotrauma, Centre de recherche, Sacré-Coeur Hospital, Montréal, QC

Size matters. Neuro-anatomie fonctionnelle du système olfactif 2014
Centre de recherche en neuropsychologie et cognition, Université de Montréal, Montréal, QC

L'odorat comme marqueur de l'integrité cérébrale 2013
Centre des études avancées sur le sommeil, Sacre Coeur Hospital, Montréal, QC

Human pheromones and the VNO: myths and facts 2013
Department ENT Medicine, University of Vermont, Burlington, VT

From the plate to the brain: role of olfaction in flavor perception 2013
Department of Life Sciences, University of Vermont, Burlington, VT

Our chemical environment, our brain and our health 2012
Odotech Inc., Montréal, QC

From the plate to the brain: role of olfaction in flavor perception 2011

Université du Québec à Trois-Rivières, Trois-Rivières, QC

Our chemical environment, our brain and our health 2011
Odour workshop, Cumulative Environmental Management Association, Calgary, AB

Stinging smells: overlaps between olfactory and trigeminal system 2011
Bill & Melinda Gates Foundation, Seattle, WA

The trigeminal system in olfactory dysfunction 2009
Monell Chemical Senses Center, Philadelphia, PA

The sense of smell and flavor perception 2009
Centre de recherche en neuropsychologie et cognition (CERNEC), Université de Montréal, Montréal, QC

More than a feeling – topographical differences in the sensitivity of the intranasal trigeminal system 2005
NIZO food research, Ede, The Netherlands

Non-academic audiences

Invited lecture	**L'odorat : un instrument de dépistage pour la maladie de Parkinson ?** Parkinson Québec – Section Trois-Rivières; Trois-Rivières, QC	2018
Invited lecture	**Autrefois tout était mieux ! Les changements du cerveau vieillissant.** Les femmes dynamiques de Trois-Rivières; Trois-Rivières, QC	2018
Invited lecture	**L'odorat: un sens crucial!** Cœur des Sciences, Montréal, QC	2018
Invited lecture	**Are the human Pheromones?** Science night; Realgymnasium Meran, BZ, Italy	2017
Invited lecture	**The brain, the machine in our head** Science talks; Free University of Bozen, Italy	2017
Invited lecture	**Autrefois tout était mieux ! Les changements du cerveau vieillissant** (The aging brain); University of the Third Age, Joliette, QC	2017
Invited lecture	**Autrefois tout était mieux ! Les changements du cerveau vieillissant** (The aging brain); University of the Third Age, Victoriaville, QC	2015
Invited lecture	**Le trouble olfactif : Quand le nez nous laisse tomber** (When the nose goes crazy: Olfactory dysfunction); University of the Third Age, Victoriaville, QC	2015
Invited lecture	**Le trouble olfactif : Quand le nez nous laisse tomber** (When the nose goes crazy: Olfactory dysfunction); Brain Awareness Week, Trois-Rivières	2015
Invited lecture	**Wenn die Nase verrücktspielt: Riechstörungen** (When the nose goes crazy: Olfactory dysfunction); DenkBar, Göttingen, Germany	2014
Workshop	**The chemical senses** McGill Discovery Days in Health Sciences	2011-2014

Bibliography

Book

1 Frasnelli J (2019). Wir riechen besser als wir denken (w smell better than we think). Molden, Vienna, 176 pages

shortlisted for Science Book oft he Year 2020, Austria

Original Papers

83 Migneault-Bouchard C, Hsieh JW, Hugentobler M, Frasnelli J, Landis BN (2019). Chemosensory decrease in different forms of olfactory dysfunction. J Neurol in press.

82 Tremblay C, Emrich R, Cavazzana A, Klingelhoefer L, Brandt MD, Hummel T, Haehner A, Frasnelli J. (2019). Specific intranasal and central trigeminal electrophysiological responses in Parkinson's disease. J Neurol in press.

81 Lecuyer Giguère F, Frasnelli A, De Guise É, Frasnelli J (2019). Olfactory, cognitive and affective dysfunction assessed 24 hours and one year after a mild Traumatic Brain Injury (mTBI). Brain Inj 21:1-10.

80 Poupon D, Fernandez P, Frasnelli J (2019) Sommelier Students Display Superior Abilities to Identify but Not to Detect or Discriminate Odors Early in their Training. Chemosens Percept (in press)

79 Al Ain S, Poupon D, Hétu S, Mercier N, Steffener J, Frasnelli J (2019) Smell training improves olfactory function and alters brain structure. NeuroImage (in press)

78 Han JE, Frasnelli J, Zeighami Y, Larcher K, Boyle J, McConnell T, Malik S, Jones-Gotman M, Dagher A (2018) Ghrelin enhances food odour conditioning in healthy humans: an fMRI study. Cell Reports (in press)

77 Poupon D, Fernandez P, Archambault Boisvert S, Migneault-Bouchard C, Frasnelli J (2018) Can the identification of odorants within a mixture be trained? Chem Senses (in press)

76 Manescu S, Poupon D, Ballester J, Abdi H, Valentin D, Lepore F, Frasnelli J (2018) Early-blind individuals show impaired performance in wine odor categorization. Neurosci (in press)

75 Tremblay C, Durand Martel P, Frasnelli J (2018) Chemosensory perception is specifically impaired in Parkinson's disease. Parkinsonism Rel Dis 57:68-71

74 Tremblay C, Frasnelli J (2018) Olfactory and trigeminal systems interact in the periphery. Chem Senses 43(8):611-616

73 Tremblay C, Durand Martel P, Frasnelli J (2017) Trigeminal system in Parkinson's disease: A potential avenue to detect Parkinson-specific olfactory dysfunction. Parkinsonism Rel Dis 44:85-90

72 Frasnelli J, Gingras-Lessard F, Robert J, Steffener J (2017) The Effect of Stimulus Duration on the Nostril Localization of Eucalyptol. Chem Senses 42(4):303-308

71 Poupon D, Hummel T, Haehner A, Welge-Luessen A, Frasnelli J (2017) Nostril differences in the olfactory performance in health and disease. Chem Senses 42:625-634

70 Hummel T, Whitcroft KL, Andrews P, Altundag A, Cinghi C, Costanzo RM, Damm M, Frasnelli J, Gudziol H, Gupta N, Haehner A, Holbrook E, Hong SC, Hornung D, Hüttenbrink KB, Kamel R, Kobayashi M, Konstantinidis I, Landis BN, Leopold DA, Macchi A, Miwa T, Moesges R, Mullol J, Mueller CA, Ottaviano G, Passali GC, Philpott C, Pinto JM, Ramakrishnan VJ, Rombaux P, Roth Y, Schlosser RA, Shu B, Soler G, Stjärne P, Stuck BA, Vodicka J, Welge-Luessen A (2017) Position Paper on Olfactory Dysfunction. Rhinology Suppl 54: 1-30

69 Manescu S, Daniel B, Filiou RP, Lepore F, Frasnelli J (2017) Nostril advantage in trigeminal/olfactory perception and its relation to handedness. Perception 46:377-92

68 Banks SJ, Sreenivasan K, Weintraub D, Baldock D, Noback M, Pierce M, Frasnelli J, James J, Beall E, Zhuang X, Cordes D, Leger GC (2016) Structural and Functional MRI Differences in Master Sommeliers: A pilot study on expertise in the brain. Frontiers Hum Neurosci 22; 10:414

67 Saliba J, Fnais N, Tomaszewsk M, Carriere JS, Frenkiel S, Frasnelli J, Tewfik M (2016) The role of trigeminal function in the sensation of nasal obstruction in chronic rhinosinusitis. Laryngoscope 126:E174-8

66 Jensen KB, Regenbogen C, Ohse MC, Frasnelli J, Freiherr J, Lundström JN (2016) Brain activations during pain: a neuroimaging meta-analysis of pain patients and healthy controls. Pain 157:1279-86

65 Sinding C, Gransjøen AM, Schlumberger G, Grushka M, Frasnelli J, Singh PB (2016) Grey matter changes of the pain matrix in patients with Burning Mouth Syndrome. Eur J Neurosci 43:997-1005

64 Frasnelli J, Laguë-Beauvais M, LeBlanc J, Alturki AY, Champoux MC, Couturier C, Anderson K, Lamoureux J, Marcoux J, Tinawi S, Dagher J, Maleki M, Feyz M, de Guise E (2016) Olfactory function in acute traumatic brain injury. Clin Neurolog Neurosurgery 140: 68-72

63 Frasnelli J, Hummel C, Bojanowski V, Warr J, Gerber J, Hummel T (2015) Food related odors and the reward circuit: functional MRI. Chemosens Perc 8(4); 192-200

62 Larson-Dupuis C, Chamard É, Falardeau V, Frasnelli J, Beaulieu C, Poirier J, Carrier J, Lassonde M, Théoret H, Bacon BA, De Beaumont L (2015) Impact of BDNF Val66Met polymorphism on olfactory functions of female concussed athletes. Brain Inj. 29(6):730-8

61 Kollndorfer K, Kowalcyk K, Frasnelli J, Hoche E, Unger E, Mueller CA, Trattnig S, Schopf V (2015) Same same but different. Different trigeminal chemoreceptors share the same central pathway. PLoS One 10(3):e012109

60 De Guise E, Alturki AY, Laguë-Beauvais M, LeBlanc J, Champoux MC, Couturier C, Anderson K, Lamoureux J, Marcoux J, Maleki M, Feyz M, Frasnelli J (2015) Olfactory and executive dysfunctions following orbito-basal lesions in traumatic brain injury. Brain Injury 29 (6):730-8

59 Filiou RP, Lepore F, Bryant B, Lundstrom JN, Frasnelli J (2015) Perception of trigeminal mixtures. Chem Senses 40(1): 61-9

58 Sorge RE, Martin LJ, Isbester KA, Sotocinal SG, McPhail M, Delaney A, Wigerblad G, Quinn T, Frasnelli J, Svensson CI, Sternberg WF, Mogil JS (2014) Olfactory exposure to males, including human males, produces stress and stress-induced analgesia in rodents. Nature Methods 11(6):629-32

57 Hummel T, Olgun S, Gerber J, Huchel U, Frasnelli J (2013) Brain responses to odor mixtures with sub-threshold components. Front Psychol 4:786

56 Manescu S, Frasnelli J, Lepore F, Djordjevic J (2014) Now you like me now you don't: Impact of labels on odor perception. Chem Senses 39:167-75

55 Seubert J, Freiherr J, Frasnelli J, Hummel T, Lundstrom JN (2013) Orbitofrontal cortex and olfactory bulb volume predict distinct aspects of olfactory performance in healthy subjects. Cereb Cortex 23:2448-56

54 Lundstrom JN, Mathe A, Schaal B, Frasnelli J, Nitzsche K, Gerber J, Hummel T (2013) Maternal status regulates cortical responses to the body odor of newborns. Front Psychol 4:597

53 Frasnelli J, Fark T, Lehmann J, Hummel T (2013) Structural brain alterations in congenital anosmia. NeuroImage 83:1074-80

50 Galle SA, Courchesne V, Mottron L, Frasnelli J (2013) Olfaction in the autism spectrum. Perception 42: 341–55

49 Keita L, Frasnelli J, La Buissonnière-Ariza V, Lepore F (2013) Response times and response accuracy for odor localization and identification. Neurosci 238:82-6

48 Rahayel S, Frasnelli J, Joubert S (2012) The effect of Alzheimer's disease and Parkinson's disease on olfaction: a meta-analysis. Behav Brain Res 231(1):60-74

47 Charland-Verville V, Lassonde M, Frasnelli J (2012) Olfaction in athletes with concussion. Am J Rhinol 26(3):222-6.

46 La Buissonnière-Ariza V, Frasnelli J, Collignon O, Lepore F (2012) Olfactory priming leads to faster sound localization. Neurosci Lett 506(2):188-92

45 Lundström JN, Gordon AR, Wise P, Frasnelli J (2012) Individual differences in the chemical senses: is there a common sensitivity? Chem Senses 37(4):371-8

44 Frasnelli J, Albrecht A, Bryant B, Lundstrom JN (2011) Perception of specific trigeminal chemosensory agonists. Neuroscience 25(189)377-83

43 Frasnelli J, Hummel T, Berg J, Huang G, Doty RL (2011) Intranasal localizability of odorants: Influence of stimulus volume. Chem Senses 36(4):405-10

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Bibliometric measures (as of July 2017)

h-index (Google Scholar)	32
total impact factor	223
total impact factor as first author	75

Interviews and media appearances (selection)

CBC (Video)	http://www.cbc.ca/natureofthings/episodes//myth-or-science-the-secrets-of-our-senses	01/17
New York Magazine	http://nymag.com/scienceofus/2017/08/why-baby-heads-smell-so-good.html	08/17
Radio Canada	http://ici.radio-canada.ca/premiere/emissions/la-nature-selon-boucar/episodes/382917/audio-fil-du-samedi-15-juillet-2017	07/17
TV5	http://tv5.ca/science-ou-fiction/?e=x11cmtkjtuuol	06/16
Urbania	http://urbania.ca/222338/rencontre-avec-docteur-odeurs	03/16
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Urbania	http://urbania.ca/221220/odeurs-de-enfance/	03/16
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Le nouvelliste	http://www.lapresse.ca/le-nouvelliste/actualites/201602/26/01-4955209-decouverte-a-luqtr-le-traumatisme-cranio-cerebral-affecte-aussi-lodorat.php	02/16
The Scientist	http://www.the-scientist.com/?articles.view/articleNo/44763/title/Flavor-Savors/	01/16
TVA (Video)	http://tva.canoe.ca/emissions/salutbonjour/videos/remonter-dans-le-temps-grace-aux-odeurs	12/15
ScienceNews	https://www.sciencenews.org/article/smell-test-may-detect-autism	07/15
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Göttinger Tagblatt	http://www.goettinger-tageblatt.de/Nachrichten/Wissen/Wissen-vor-Ort/Neurowissenschaftliche-Erkenntnisse-ueber-das-Riechen	11/14
En tête	http://blogue.uqtr.ca/2014/09/30/odorat/	09/14
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Radio Canada (Audio)	http://ici.radio-canada.ca/emissions/les_annees_lumiere/2014-2015/archives.asp?date=2014-06-08	06/14
Daily Mail	http://www.dailymail.co.uk/sciencetech/article-2559616/Do-smell-EYES-People-perceive-odours-differently-labelled-positive-negative-words.html	02/14
UdeM Nouvelles	http://www.nouvelles.umontreal.ca/recherche/sciences-sociales-psychologie/20140210-on-sent-aussi-avec-les-yeux.html	02/14
Today's Parent	http://www.todaysparent.com/baby/new-baby-smell/	12/13
La Presse+	http://plus.lapresse.ca/screens/4d98-1ae0-52b5faff-a5e3-2703ac1c606a%7CukWfqaU2kdrZ	12/13
CBC	http://www.cbc.ca/newsblogs/yourcommunity/2013/09/science-explains-why-women-want-to-eat-babies.html	09/13
NBC	http://www.nbcnews.com/news/other/new-baby-smell-creates-very-strong-bond-moms-brain-study-f4B11241673	09/13
The Scientist	http://www.the-scientist.com/?articles.view/articleNo/37627/title/That-New-Baby-Smell/	09/13
NPR (Audio)	http://www.npr.org/templates/story/story.php?storyId=227431388	09/13
CBS	http://www.cbsnews.com/news/moms-may-be-addicted-to-that-new-baby-smell/	09/13
Global News	http://globalnews.ca/news/860084/newborn-babys-smell-is-as-addictive-as-drugs-or-food-study/	09/13
Daily Mail	http://www.dailymail.co.uk/health/article-2429995/Newborn-baby-smell-provokes-reaction-brain-tempting-food-drugs.html	09/13
Reader's Digest	http://selection.readersdigest.ca/sante/prevention/le-nez-un-sens-mineur/?page=0,0	09/13
Radio Canada (Audio)	http://ici.radio-canada.ca/emissions/lapres-midi_porte_conseil/2011-2012/chronique.asp?idChronique=218400	05/12
Mumbai Mirror	http://www.mumbaimirror.com/others/sci-tech/Smell-of-rotten-fish-detected-faster-than-roses/articleshow/16053202.cms	09/11

Language skills

German	native
English, French, Italian	fluent
Spanish	basic

Computer skills

Microsoft Office Suite (Excel, Word, Power Point), SPSS, MatLab, SPM5/8, EndNote, Python