

Thien Thanh DANG-VU, MD PhD

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Current positions

- **Associate Professor** (tenured), Dpt of Exercise Science and Department of Psychology, Concordia University, Montreal
- **Directeur Associé à la Recherche Clinique**, Centre de Recherche de l'Institut Universitaire de Gériatrie de Montréal
- **Professeur Adjoint de Clinique** (clinical professor), Dpt of Neurosciences, University of Montreal, Montreal
- **Adjunct Professor**, Dpt of Neurology & Neurosurgery, McGill University, Montreal
- **Neurologist and Researcher**, Institut Universitaire de Gériatrie de Montréal
- **Researcher**, Center for Studies in Behavioral Neurobiology (CSBN), Concordia U.
- **Researcher**, PERFORM Center, Concordia University
- **Associate Researcher**, Center for Advanced Research in Sleep Medicine, Hôpital du Sacré-Coeur de Montréal
- **Associate Member**, Center for Clinical Research in Health, Concordia University
- **Regular Member**, Quebec Bio-Imaging Network
- **Regular Member**, Quebec Network for Research on Aging
- **Regular Member**, Quebec Parkinson Network
- **Regular Member**, CIMA-Q (Consortium pour l'identification des marqueurs précoces de la maladie d'Alzheimer – Québec)

Education

<i>Dates</i>	<i>Degree</i>	<i>Institution</i>	<i>Grade</i>
2010-2012	Postdoc / fellowship	<u>Université de Montréal</u> , Hôpital du Sacré-Coeur, Center for Advanced Research in <u>Sleep Medicine</u> (Canada)	N/A
2009-2010	Postdoc / fellowship	<u>Harvard Medical School</u> , Massachusetts General Hospital, Department of <u>Neurology</u> , Division of <u>Sleep Medicine</u> (USA)	N/A
2004-2009	Neurology (residency)	<u>Université de Liège</u> , CHU de Liège, Department of Neurology (Belgium)	Summa cum laude
2004-2008	PhD	<u>Université de Liège</u> , Cyclotron Research Center (Belgium)	Summa cum laude
2000-2004	MD	<u>Université de Liège</u> (Belgium)	Summa cum laude
1997-2000	BSc	<u>Université de Liège</u> (Belgium)	Summa cum laude

Additional Training / Credentials

<i>Date</i>	<i>Topic</i>	<i>Institution</i>
Since September 2014	Maintenance of Certificate program	<u>Royal College of Physicians and Surgeons of Canada</u>
Since September 2013	Medical License	<u>Collège des Médecins du Québec</u>
Since September 2011	Licensed/Board-Certified Neurologist	<u>Belgian Board of Neurology / Belgian Ministry of Health</u>
Since July 2004	Medical License	<u>Belgian Ministry of Health</u>
July 19-30, 2010	Intensive Training in Translational Medicine	<u>Harvard Medical School, USA</u>
June 29 – July 2, 2010	26th International Summer School of Brain Research: Slow Brain Oscillations of Sleep, Resting State and Vigilance	<u>Royal Netherlands Academy of Arts and Sciences, Amsterdam</u>
June 21-25, 2010	Introduction to Clinical Investigation	<u>Harvard Medical School, USA</u>
October 26-30, 2009	Intensive Review of Neurology	<u>Harvard Medical School, USA</u>
2006-2010	Training in Sleep Research and Sleep Medicine	<u>European Sleep Research Society program (Marie-Curie grant)</u>
June 13-24, 2005	Summer courses “Maths and Brain”	<u>Université de Paris – Jussieu, Institute of Mathematics</u>
July-Sept., 2004	Training in stroke neurology	<u>Centre Hospitalier Universitaire de le Pitié-Salpêtrière, Neurovascular Emergency Unit, Paris, France</u>
May-June, 2004	Training in sleep research and sleep medicine	<u>Université de Montréal, Canada</u>

Research interests

In general, my research interests are focused on the interface between **neuroimaging, sleep, and neurology**, in order to investigate the neural correlates of spontaneous brain activity and consciousness, the role of sleep in brain plasticity, the pathophysiology of sleep disorders, and the clinical biomarkers of neurological disease progression.

For example:

- Mechanisms and functions of brain rhythms (e.g., sleep spindles, slow waves), using PET, fMRI and EEG
- Pathophysiology of insomnia, hypersomnias (e.g., narcolepsy) and parasomnias (e.g., sleepwalking), using SPECT, EEG and behavioural measurements
- Neuroimaging biomarkers of neurodegenerative disease progression (e.g., REM sleep behavior disorder, Parkinson’s disease, and dementia)
- The role of sleep in brain plasticity and clinical recovery following acute brain damage (e.g., stroke), using neuroimaging, electrophysiological and behavioural assessments

Research Grants

FUNDS CURRENTLY HELD (**10 FUNDS, TOTAL AWARDED = 2,186,474 CAD**)

Thien Thanh Dang-Vu (Principal Investigator), Melodee Mograss (Co-Principal Investigator), Véronique Pepin (Co-Investigator)

- *Title:* Direct and mediating effects of short-term exercise on sleep and recognition memory in young, sedentary adults: A pilot study.
- *Funding source:* American Sleep Medicine Foundation (ASMF)
- *Program:* 2015 Focused Projects Award
- *Total amount awarded:* **19,839 USD (26,501 CAD)**
- *Period of support:* January 2016 – January 2017

Jean-Philippe Gouin (Principal Investigator), Thien Thanh Dang-Vu (Co-Principal Investigator), Jennifer McGrath, Josée Savard, Sophie Schwartz (Co-Investigators)

- *Title:* Biological Markers of Altered Emotional Regulation in Chronic Insomnia and their Relationship with Treatment Responses to Cognitive Behavioral Therapy
- *Funding source:* Canadian Institutes of Health Research (CIHR)
- *Program:* Operating Grant
- *Total amount awarded:* **543,263 CAD**
- *Period of support:* July 2015 – July 2019

Thien Thanh Dang-Vu (Principal Investigator)

- *Title:* Concordia University Research Chair in Sleep, Neuroimaging and Cognitive Health
- *Funding source:* Concordia University
- *Program:* Concordia University Research Chair (CURC) program, New Scholar
- *Total amount awarded:* **100,000 CAD**
- *Period of support:* June 2015 – June 2020

Sylvain Baillet (Principal Investigator), Thien Thanh Dang-Vu, Sylvain Williams, Pedro Rosa-Neto (Co-Investigators)

- *Title:* Early Alterations of Brain Rhythms in Mild Cognitive Impairment and Alzheimer's Disease
- *Funding source:* Douglas Hospital Research Center
- *Program:* pilot project funding from the STOP-AD initiative
- *Total amount awarded:* **95,000 CAD**
- *Period of support:* October 2015 – October 2016

Thien Thanh Dang-Vu (Principal Investigator)

- *Title:* Sleep Research Laboratory to Study Brain Oscillations and their Importance for Cognitive Health and Sleep Quality
- *Funding source:* Canada Foundation for Innovation (CFI)
- *Program:* John R. Evans Leaders Fund
- *Total amount awarded:* **770,130 CAD**
- *Period of support:* December 2015 – December 2020

Thien Thanh Dang-Vu (Principal Investigator)

- *Co-investigator:* Natalie Philips
- *Title :* Polysomnography Equipment to Study the Mechanisms and Functions of Brain Oscillations

during Human Sleep

- *Funding source:* Natural Sciences and Engineering Research Council of Canada (NSERC)
- *Program:* RTI (Research Tools and Instruments)
- *Total amount awarded:* **31,580 CAD**
- *Period of support:* July 2014 – July 2015

Thien Thanh Dang-Vu and Cara Tannenbaum (Co-Principal Investigators)

- *Co-investigators:* Jean-Philippe Gouin, Anik Guimond, Doris Clerc, Suzanne Gilbert, David Lussier
- *Title:* Evaluation de l'efficacité d'une combinaison de thérapie cognitivo-comportementale pour l'insomnie à un programme de sevrage de benzodiazépines sur les fonctions cognitives et le sommeil chez la personne âgée
- *Funding source:* Institut Universitaire de Gériatrie de Montréal (IUGM)
- *Program:* CAREC – programme de subvention de soutien pour la recherche clinique
- *Total amount awarded:* **10,000 CAD**
- *Period of support:* May 2014 – May 2016

Thien Thanh Dang-Vu (Principal Investigator)

- *Title:* Pathophysiology of Sleep Disorders
- *Funding source:* Canadian Institutes of Health Research (CIHR)
- *Program:* CIHR New Investigator
- *Total amount awarded:* **300,000 CAD**
- *Period of support:* July 2013 – July 2018

Thien Thanh Dang-Vu (Principal Investigator)

- *Title:* Neuroimagerie multimodale des troubles du sommeil : application à l'étude des hypersomnies d'origine centrale
- *Funding source:* Fonds de Recherche du Québec – Santé (FRQ-S)
- *Program:* Research Scholar Junior 1
- *Total amount awarded:* **280,698 CAD** (declined for the CIHR New Investigator Award, except the portion related to the 'subvention d'établissement de jeune chercheur': **45,000 CAD**)
- *Period of support:* July 2013 – July 2016

Thien Thanh Dang-Vu (Principal Investigator)

- *Title:* Mechanisms and Functions of Brain Oscillations
- *Funding source:* Natural Sciences and Engineering Research Council of Canada (NSERC)
- *Program:* Discovery Grant
- *Total amount awarded:* **150,000 CAD**
- *Period of support:* April 2013 – April 2018

Thien Thanh Dang-Vu (Principal Investigator)

- *Title:* Start-up funds for new faculty members
- *Funding source:* Concordia University
- *Program:* Start-up funds
- *Total amount awarded:* **115,000 CAD**
- *Period of support:* July 2012 – July 2016

PROJECTS CURRENTLY FUNDED AS COLLABORATOR

Ana Ines Ansaldo (Principal Investigator), Thien Thanh Dang-Vu, Habib Benali, Brigitte Damien, Julien Doyon, Rick Hoge, Carol Leonard, Karine Marcotte, Elizabeth Rochon (Collaborators)

- *Title:* Triggering neuroplasticity in chronic aphasia: identifying the brain signs that predict good response to two language therapies
- *Funding source:* Canadian Institutes of Health Research (CIHR)
- *Program:* Operating Grant
- *Total amount awarded:* **370,741 CAD**
- *Period of support:* July 2014 – July 2019

FUNDS PREVIOUSLY HELD (7 FUNDS, TOTAL AWARDED = 110,545 CAD)

Thien Thanh Dang-Vu (Principal Investigator)

- *Title:* Strategic Research Cluster ‘The Person and Society’
- *Funding source:* Concordia University
- *Program:* Emerging Researcher Award
- *Total amount awarded:* **5,000 CAD**
- *Period of support:* June 2014 – June 2015

Thien Thanh Dang-Vu (Principal Investigator)

- *Title:* Pathophysiology of Idiopathic Hypersomnia: a Multimodal Neuroimaging Study
- *Funding source:* Sleep Research Society
- *Program:* J. Christian Gillin, MD, Research Grant
- *Total amount awarded:* **20,000 USD (22,326 CAD)**
- *Period of support:* August 2013 – February 2015

Thien Thanh Dang-Vu and Simona Brambati (Co-Principal Investigators)

- *Co-investigators:* Yan Deschaintre, Maximiliano Wilson, Paolo Vitali, Karine Marcotte, Natalie Philips, Julie Carrier
- *Title:* Biomarkers of Clinical Recovery from Post-Stroke Aphasia during Wakefulness and Sleep
- *Funding source:* Réseau Québécois de Recherche sur le Vieillessement (RQRV)
- *Program:* Funding for major grant applications
- *Total amount awarded:* **12,600 CAD**
- *Period of support:* August 2013 – December 2014

Thien Thanh Dang-Vu (Principal Investigator)

- *Title:* Strategic Research Cluster ‘The Person and Society’
- *Funding source:* Petro-Canada
- *Program:* Petro-Canada Young Innovators Awards Program
- *Total amount awarded:* **10,000 CAD**
- *Period of support:* April 2013 – April 2014

Thien Thanh Dang-Vu (Principal Investigator)

- *Title:* The role of sleep in brain plasticity following sensory deprivation in humans
- *Funding source:* Belgian Neurological Society (BNS)
- *Program:* BNS Research Fellowship for Young Investigators
- *Total amount awarded:* **10,000 EUR (14,139.33 CAD)**

- *Period of support:* December 2009 – December 2010

Thien Thanh Dang-Vu (Principal Investigator)

- *Title:* Traitement de l'information au cours du sommeil chez l'homme: une approche multimodale
- *Funding source:* Horlait-Dapsens Medical Foundation (Belgium)
- *Program:* Grant of the Horlait-Dapsens Medical Foundation
- *Total amount awarded:* **18,000 EUR (25,450.79 CAD)**
- *Period of support:* October 2009 – September 2010

Thien Thanh Dang-Vu (Principal Investigator)

- *Title:* Slow-wave-sleep oscillations and the offline processing of memory traces: an EEG/fMRI study
- *Funding source:* European Sleep Research Society (ESRS)
- *Program:* ESRS / Sanofi-Aventis Research Grant
- *Total amount awarded:* **15,000 EUR (21,209 CAD)**
- *Period of support:* October 2008 – September 2010

Prizes and Awards

- **Concordia University Research Chair in Sleep, Neuroimaging and Cognitive Health – 2015-2020**
- **Roger Broughton Young Investigator Award** (Canadian Sleep Society) – 2015
- **Concordia University Research Award – 2014**
- **CIHR New Investigator Award – 2013-2018**
- **FRQ-S Research Scholar Junior 1 Award – 2013-2017**
- **Petro Canada Young Innovator Award – 2013-2014**
- **Prize of Excellence H. Catherine Sauerwein – 2012**
- **Banting Postdoctoral Fellowship** (Canadian Institutes of Health Research) – 2011-2012
- Listed in “Who’s Who in America”, “Who’s Who in the World”, and “Who’s Who in Science and Engineering” – 2010 - present
- **Lundbeck Award for Research** (Belgian College of Neuropsychopharmacology and Biological Psychiatry) – 2011-2012
- **Pfizer Educational Grant – 2011**
- **Prize of the Foundation D. and M. Jaumain – 2009**
- **Travel grants of the Léon Frédéricq Funds – 2009, 2010, 2011**
- **Bursary for excellence Wallonie-Bruxelles International.World – 2009-2011**
- **Rotary Grant** (District 1630) – 2009-2010
- **Sleep Research Society Young Investigator Award – 2009**
- **Belgian American Educational Foundation Postdoctoral Fellowship – 2009-2010**
- **Belgian Neurological Society travel grant – 2008**
- **Sleep Research Society Award Based on Scientific Merit – 2008**
- **European Neurological Society travel grant – 2007**
- **André Kahn Sleep Award – 2006, 2008**
- **Helgi Kristbjarnarson’s Award** (European Sleep Research Society) – 2006
- **European Sleep Research Society travel grants – 2004, 2006, 2008, 2010**
- **Prize of the Léon Frédéricq Funds** for research excellence during medical studies –2004
- **Aventis Prize** for excellence during medical studies – 2004

Peer-reviewed publications (Total = 63)***H-index: 27; Total citations: 3120; Cumulated Impact Factor: 330.4***

1. Albouy G, King BR, Schmidt C, Desseilles M, **Dang-Vu TT**, Balteau E, Phillips C, Degueldre C, Orban P, Benali H, Peigneux P, Luxen A, Karni A, Doyon J, Maquet P, Korman M. *Neural correlates of interference to motor sequence memory consolidation: post-interference decrease in striatal activity is restored after a night of sleep*; under review.
2. Waters F, Blom JD, **Dang-Vu TT**, Cheyne JA, Alderson-Day B, Collerton D. *What is the link between hallucinations and dreams*; Schizophrenia Bulletin, 2016, in press.
3. Boucetta S, Salimi A, Dadar M, Jones BE, Collins DL, **Dang-Vu TT**. *Structural Brain Alterations Associated with REM Sleep Behavior Disorder in Parkinson's Disease*; Scientific Reports, 6, 2016, 26782 (11 pages).
4. Weiner O, **Dang-Vu TT**. *Spindle Oscillations in Sleep Disorders: A Systematic Review*; Neural Plasticity, 2016, 7328725 (30 pages).
5. Suh S, Kim H, **Dang-Vu TT**, Joo E, Shin C. *Cortical Thinning and Altered Cortico-Cortical Structural Covariance of the Default Mode Network in Patients with Persistent Insomnia Symptoms*; SLEEP, 39(1), 2016, p. 161-71.
6. **Dang-Vu TT**, Zadra A, Labelle MA, Petit D, Soucy J-P, Montplaisir J. *Sleep deprivation reveals altered brain perfusion patterns in somnambulism*; PLoS ONE, 10(8), 2015, e0133474.
7. Labelle MA, **Dang-Vu TT**, Petit D, Desautels A, Montplaisir J, Zadra A. *Sleep deprivation impairs inhibitory control during wakefulness in adult sleepwalkers*; Journal of Sleep Research, 24(6), 2015, p. 658-665.
8. Gouin J-P, Wenzel K, Boucetta S, O'Byrne J, Salimi A, **Dang-Vu TT**. *High Frequency Heart Rate Variability During Worry Predicts Stress-Related Increases in Sleep Disturbances*; Sleep Medicine, 16, 2015, p. 659-664.
9. **Dang-Vu TT**, Salimi A, Boucetta S, Wenzel K, O'Byrne J, Brandewinder M, Berthomier C, Gouin J-P. *Sleep spindles predict stress-related increases in sleep disturbances*; Frontiers in Human Neuroscience, 2015, 9:68.
10. Pepin V, Boucetta S, Chan-Thim E, Parwanta Z, Gouin J-P, **Dang-Vu TT**. *The Role of Sleep and Physical Activity on the Risk for Cardiovascular Disease*; Current Cardiovascular Risk Reports, 8(12), 2014, p. 413-423.
11. O'Byrne J, Berman ML, Gouin J-P, **Dang-Vu TT**. *Neuroimaging Findings in Primary Insomnia*; Pathologie Biologie, 62(5), 2014, p. 262-269.
12. Perogamvros L, **Dang-Vu TT**, Desseilles M, Schwartz S. *Sleep and dreaming are for important matters*; Frontiers in Psychology, 2013, 4:474.
13. **Dang-Vu TT**. *Structural Brain Modifications in Primary Insomnia: Myth or Reality?*; SLEEP, 36(7), 2013, p. 965-966.
14. **Dang-Vu TT**. *Prefrontal Dysfunction in Obstructive Sleep Apnea: A Biomarker of Disease Severity?*; SLEEP, 36(5), 2013, p. 631-632.
15. **Dang-Vu TT**. *Neuroimaging Findings in Narcolepsy with Cataplexy*; Current Neurology and Neuroscience Reports, 13(5), 2013, 349 (8 pages).
16. Albouy G, Sterpenich V, Vandewalle G, Darsaud A, Gais S, Rauchs G, Desseilles M, Boly M, **Dang-Vu T**, Balteau E, Degueldre C, Phillips C, Luxen A, Maquet P. *Interaction between Hippocampal and Striatal Systems Predicts Subsequent Consolidation of Motor Sequence Memory*; PLoS ONE, 8(3), 2013, e59490.

17. Trajanovic N, **Dang-Vu TT**. *Should patients with idiopathic rapid eye movement sleep behaviour disorder receive preventive therapy for a neurodegenerative disease?*; Sleep Medicine, 14, 2013, p. 380-381.
18. **Dang-Vu TT**, Gagnon JF, Vendette M, Soucy JP, Postuma R, Montplaisir J. *Hippocampal perfusion predicts impending neurodegeneration in REM sleep behavior disorder*; Neurology, 79(24), 2012, p. 2302-6.
19. Vendette M, Montplaisir J, Gosselin N, Soucy JP, Postuma R, **Dang-Vu TT**, Gagnon JF. *Brain perfusion anomalies in rapid eye movement behavior disorder with mild cognitive impairment*; Movement Disorders, 27(10), 2012, p. 1255-61.
20. **Dang-Vu TT**. *Neuronal Oscillations in Sleep: Insights from Functional Neuroimaging*; NeuroMolecular Medicine, 14(3), 2012, p. 154-167.
21. **Dang-Vu TT**. *Structural changes in the narcoleptic brain and their possible relevance for clinical severity*; Sleep Medicine, 13(7), 2012, p. 775-6.
22. Schabus M, **Dang-Vu TT**, Heib D, Boly M, Desseilles M, Vandewalle G, Schmidt C, Albouy G, Darsaud A, Gais S, Degueldre C, Balteau E, Phillips C, Luxen A, Maquet P. *The fate of incoming stimuli during NREM sleep is determined by spindles and the phase of the slow oscillation*; Frontiers in Neurology, 3:40, 2012.
23. Schmidt C, Peigneux P, Leclercq Y, Sterpenich V, Vandewalle G, Phillips C, Berthomier P, Berthomier C, Tinguely G, Gais S, Schabus M, Desseilles M, **Dang-Vu TT**, Salmon E, Degueldre C, Balteau E, Luxen A, Cajochen C, Maquet P, Collette F. *Circadian preference modulates the neural substrate of conflict processing across the day*; PLoS ONE, 7(1), 2012, e29658.
24. Albouy G, Sterpenich V, Vandewalle G, Darsaud A, Gais S, Rauchs G, Desseilles M, Boly M, **Dang-Vu T**, Balteau E, Degueldre C, Phillips C, Luxen A, Maquet P. *Neural correlates of performance variability during motor sequence acquisition*; NeuroImage, 60(1), 2012, p. 324-31.
25. **Dang-Vu TT**, Bonjean M, Schabus M, Boly M, Darsaud A, Desseilles M, Degueldre C, Balteau E, Phillips C, Luxen A, Sejnowski TJ, Maquet P. *Interplay between spontaneous and induced brain activity during human non-rapid eye movement (NREM) sleep*; Proceedings of the National Academy of Sciences of the United States of America, 108(37), 2011, p. 15438-43.
26. McKinney S, **Dang-Vu TT**, Buxton O, Solet J, Ellenbogen J. *Covert Waking Brain Activity Reveals Instantaneous Sleep Depth*; PLoS ONE, 6(3), 2011, e17351.
27. Mascetti L, Foret A, Bourdieu AS, Muto V, Kussé C, Jaspar M, Matarazzo L, **Dang-Vu T**, Schabus M, Maquet P. *Spontaneous neural activity during human non-rapid eye movement sleep*; Progress in Brain Research, 193, 2011, p. 111-8.
28. Desseilles M, Schwartz S, **Dang-Vu TT**, Sterpenich V, Ansseau M, Maquet P, Phillips C. *Depression alters « top-down » visual attention: A dynamic causal modelling comparison between depressed and healthy subjects*; Neuroimage, 54(2), 2011, 1662-8.
29. Darsaud A, Wagner U, Balteau E, Desseilles M, Sterpenich V, Vandewalle G, Albouy G, **Dang-Vu T**, Collette F, Boly M, Schabus M, Degueldre C, Luxen A, Maquet P. *Neural Precursors of Delayed Insight*; Journal of Cognitive Neuroscience, 23(8), 2011, p. 1900-10.
30. Darsaud A, Dehon H, Lahl O, Sterpenich V, Boly M, **Dang-Vu T**, Desseilles M, Gais S, Matarazzo L, Peters F, Schabus M, Schmidt C, Tinguely G, Vandewalle G, Luxen A, Maquet P, Collette F. *Does Sleep Promote False Memories?* Journal of Cognitive Neuroscience, 23(1), 2011, p. 26-40.
31. **Dang-Vu TT**, McKinney S, Buxton O, Solet J, Ellenbogen J. *Spontaneous brain rhythms predict sleep stability in the face of noise*; Current Biology, 20(15), 2010, p. R626-627
32. **Dang-Vu TT**, Schabus M, Desseilles M, Sterpenich V, Bonjean M, Maquet P. *Functional Neuroimaging Insights into the Physiology of Human Sleep*; SLEEP, 33(12), 2010, p. 1589-1603.
33. Desseilles M, **Dang-Vu TT**, Sterpenich V, Schwartz S. *Cognitive and emotional processes during dreaming: A neuroimaging view*; Consciousness and Cognition, 20, 2011, p. 998-1008.

34. **Dang-Vu TT**, Desseilles M, Schwartz S, Maquet P. *Neuroimaging of narcolepsy*; CNS & Neurological Disorders-Drug Targets, 8(4), 2009, p. 254-63.
35. Mascetti L, Foret A, Bonjean M, Matarazzo L, **Dang-Vu T**, Maquet P. *Some facts about sleep relevant for Landau-Kleffner syndrome*; Epilepsia, 50(Suppl. 7), 2009, p. 43-6.
36. Schmidt C, Collette F, Leclercq Y, Sterpenich V, Vandewalle G, Berthomier P, Berthomier C, Phillips C, Tinguely G, Darsaud A, Gais S, Schabus M, Desseilles M, **Dang-Vu TT**, Salmon E, Balteau E, Degueldre C, Luxen A, Maquet P, Cajochen C, Peigneux P. *Homeostatic sleep pressure and responses to sustained attention in the suprachiasmatic area*; Science, 324(5926), 2009, p. 516-19.
37. Sterpenich V, Albouy G, Darsaud A, Schmidt C, Vandewalle G, **Dang-Vu TT**, Desseilles M, Phillips C, Degueldre C, Balteau E, Collette F, Luxen A, Maquet P. *Sleep promotes the neural reorganization of remote emotional memory*; Journal of Neuroscience, 29(16), 2009, p. 5143-52.
38. Desseilles M, Balteau E, Sterpenich V, **Dang-Vu TT**, Darsaud A, Vandewalle G, Albouy G, Salmon E, Peters F, Schmidt C, Schabus M, Gais S, Degueldre C, Phillips C, Luxen A, Ansseau M, Maquet P, Schwartz S. *Abnormal neural filtering of irrelevant visual information in depression*; Journal of Neuroscience, 29(5), 2009, p. 1395-403.
39. Leclercq Y, Balteau E, **Dang-Vu T**, Schabus M, Luxen A, Maquet P, Phillips C. *Rejection of pulse related artefact (PRA) from continuous electroencephalographic (EEG) time series recorded during functional magnetic resonance imaging (fMRI) using constraint independent component analysis (cICA)*; NeuroImage, 44(3), 2009, p. 679-91.
40. **Dang-Vu TT**, Schabus M, Desseilles M, Albouy G, Boly M, Darsaud A, Gais S, Rauchs G, Sterpenich V, Vandewalle G, Carrier J, Moonen G, Balteau E, Degueldre C, Luxen A, Phillips C, Maquet P. *Spontaneous Neural Activity during Human Slow Wave Sleep*; Proceedings of the National Academy of Sciences of the United States of America, 150(39), 2008, p. 15160-5.
41. Desseilles M, **Dang-Vu TT**, Maquet P, Schwartz S. *Corrélatés cérébraux du rêve*; Médecine du sommeil, 6(2), 2009, p. 44-51.
42. **Dang-Vu TT**, Maquet P. *Apports de l'imagerie fonctionnelle cérébrale à l'étude du sommeil chez l'homme*; Neurone, 13(8), 2008, p. 400-4.
43. Desseilles M, **Dang-Vu T**, Schabus M, Sterpenich V, Maquet P, Schwartz S. *Neuroimaging insights into the pathophysiology of sleep disorders*; SLEEP, 31(6), 2008, p. 777-794.
44. Boly M, Phillips C, Tshibanda L, Vanhauzenhuyse A, Schabus M, **Dang-Vu TT**, Moonen G, Hustinx R, Maquet P, Laureys S. *Intrinsic brain activity in altered states of consciousness – how conscious is the default mode of brain function?* Annals of the New York Academy of Sciences, 1129, 2008, p. 119–29.
45. Albouy G, Sterpenich V, Balteau E, Vandewalle G, Desseilles M, **Dang-Vu T**, Darsaud A, Ruby P, Luppi P-H, Degueldre C, Peigneux P, Luxen A, Maquet P. *Both the Hippocampus and Striatum are involved in consolidation of Motor Sequence Memory*; Neuron, 58, 2008, p. 261-272.
46. Schabus M, **Dang-Vu TT**, Albouy G, Balteau E, Boly M, Carrier J, Darsaud A, Degueldre C, Desseilles M, Gais S, Phillips C, Rauchs G, Schnakers C, Sterpenich V, Vandewalle G, Luxen A, Maquet P. *Hemodynamic cerebral correlates of sleep spindles during human non-rapid eye movement sleep*; Proceedings of the National Academy of Sciences of the United States of America, 104(32), 2007, p. 13164-9.
47. **Dang-Vu TT**, Desseilles M, Petit D, Mazza S, Montplaisir J and Maquet P. *Neuroimaging in Sleep Medicine*; Sleep Medicine, 8, 2007, p. 349-372.
48. Gais S, Albouy G, Boly M, **Dang-Vu TT**, Darsaud A, Desseilles M, Rauchs G, Schabus M, Sterpenich V, Vandewalle G, Maquet P, Peigneux P. *Sleep transforms the cerebral trace of declarative memories*; Proceedings of the National Academy of Sciences of the United States of America, 104(47), 2007, p. 18778-83.

49. Sterpenich V, Albouy G, Boly M, Vandewalle G, Darsaud A, Baateau E, **Dang-Vu TT**, Desseilles M, D'Argembeau A, Gais S, Rauchs G, Schabus M, Degueldre C, Luxen A, Collette F, Maquet P. *Sleep-Related Hippocampo-Cortical Interplay during Emotional Memory Recollection*; PloS Biology, 5(11), 2007, e282.
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Symposia

1. Winter Conference on Brain Research, Symposium: “**The neurobiology of sleep-wake oscillations**”, Speaker, Breckenridge (Colorado, USA), Jan 23-28, 2016: *Brain oscillations during human sleep: neural correlates, functions and clinical significance*.
2. 7th Conference of the Canadian Sleep Society, Symposium: “**New Insights into the Physiology and Function of Sleep Spindles in Humans**”, Co-Chair and Speaker, Toronto (Canada), Sept 25-27, 2015: *Sleep spindles in the development and treatment of insomnia*.
3. 38th Annual Meeting of the European Society of Neuroradiology (ESNR), Symposium: “**Pain and Sleep Disturbances**”, Speaker, Naples (Italy), Sept 16-20, 2015: *Neuroimaging in sleep medicine*.
4. 83rd Congress of the ACFAS (Association Francophone pour le Savoir), Symposium: “**Rôle du sommeil lent dans l’homéostasie, la plasticité cérébrale et la protection du sommeil**”, Speaker, Rimouski (Canada), May 25-29, 2015: *Les oscillations du sommeil lent dans l’insomnie*.
5. 6th Congress of the World Association of Sleep Medicine, Symposium: “**New Insights into the Neural Correlates of Insomnia**”, Speaker, Seoul (S. Korea), March 21–25, 2015: *Brain oscillations during sleep in insomnia*.
6. 6th Conference of the Canadian Sleep Society, Symposium: “**Advances in the Basic Science and Clinical Understanding of Brain Arousal States**”, Speaker, Halifax (Canada), Oct 4-6, 2013: *Functional neuroimaging of sleep rhythms and sleep disorders*.
7. 5th Congress of the World Association of Sleep Medicine, Symposium: “**Interpreting and Evaluating Parasomnias**”, Speaker, Valencia (Spain), Sept 28 – Oct 2, 2013: *Neuroimaging of REM and non-REM parasomnias*.
8. 7th Annual Meeting of the Canadian Association for Neuroscience, Symposium: “**Advances in the Basic Science and Clinical Understanding of Brain Arousal States**”, Speaker, Toronto (Canada), May 21-24, 2013: *Functional neuroimaging of brain rhythms during sleep*.

9. **“Sleep mechanisms and disorders: from cells to behaviour”**, Spring 2013 Colloquium and Workshop of the Center for Studies in Behavioral Neurobiology, Concordia University, Chair and Speaker, Montreal (Canada), May 2-3, 2013: *Functional neuroimaging of sleep and its disorders*.
10. **“Sleep, Cognition and Consciousness”**, symposium organised for the 10th anniversary of the sleep research laboratory at the University of Salzburg, Speaker, Salzburg (Austria), December 13-14, 2012: *Sleep spindles in combined EEG/fMRI*.
11. 21st Congress of the European Sleep Research Society, Symposium: **“Neuroimaging Insights into the Pathophysiology of Sleep Disorders”**, Chair and Speaker, Paris (France), Sept 4-8, 2012: *Functional neuroimaging of parasomnias*
12. 26th Annual Meeting of the Associated Professional Sleep Societies, Symposium: **“Functional Significance of Sleep Spindles”**, Chair and Speaker, Boston (USA), June 9-13, 2012: *Functional brain imaging of spindles*
13. **“Cerebral Rhythms”**, Symposium of the French Society of Clinical Neurophysiology, Speaker, Paris (France), January 26-27, 2009: *Sleep rhythms: an EEG/fMRI analysis*
14. Donders Discussions 2008, Symposium on **Functional Neuroimaging**, Speaker, Nijmegen (Netherlands), October 3-4, 2008: *Use of simultaneous EEG/fMRI recordings in the study of sleep physiology*
15. **“Sleep and Psychopathology”**, Symposium of the Belgian College of Neuropsychopharmacology and Biological Psychiatry, Speaker, Lille (France), May 24, 2008: *Normal and pathological sleep: contribution of brain imaging*
16. **“A Primer of Sleep Research: Focus on Brain Imaging and Sleep”**, symposium organised by the Sleep Research Society, Speaker, La Jolla (California, USA), February 9-11, 2007: *Active brain processes during human quiescent sleep: an EEG / fMRI study of non-REM slow oscillations*.
17. 8th Annual International Clinical Symposium Kempenhaeghe **“Neuroimaging: Epilepsy and Sleep”**, Speaker, Kempenhaeghe – Heeze (Netherlands), March 31, 2006: *Neuroimaging of normal human sleep revisited*
18. Symposium **“Sleep and Neurology”**, Speaker, Luxemburg, January 25, 2006: *Functional neuroanatomy of normal human sleep*
19. 2nd Congress of the Canadian Sleep Society, Symposium on **Functional Neuroimaging of Sleep**, Speaker, Québec (Canada), May 13-15, 2004: *Functional neuroanatomy of normal human sleep*

Invited Lectures

1. Sleep Rounds, Department of Medicine, Division of Respiriology, University of Toronto, Toronto (Canada), Dec 11, 2015: Neuroimaging of sleep and sleep disorders.
2. Public lecture organized by the Quebec Lung Association, Montreal (Canada), December 8, 2015: Neurosciences et sommeil.
3. Department of Exercise Science Lecture Series, Concordia University, Montreal (Canada), Nov 20, 2015: Neuroimaging of sleep and sleep disorders.
4. Patient – researcher conference day organized by Fondation Sommeil, Montreal (Canada), Nov 12, 2015: Hypersomnies centrales primaires: narcolepsie et hypersomnie idiopathique.
5. Public lecture organized by ‘Vers Vous, Centre de services bénévoles aux aînés de Villeray’, Montreal (Canada), Sept 28, 2015: L’insomnie chez les aînés.
6. 7th Conference of the Canadian Sleep Society, Lecture of the Roger Broughton Young Innovator Award Winner, Toronto (Canada), Sept 25-27, 2015: Neuroimaging of sleep and sleep disorders.
7. Continuous Medical Education, University of Montreal, Montreal (Canada), Conference Day on ‘Geriatrics’, September 11, 2015: Sleep disorders in the elderly.

8. Journée Scientifique sur le Sommeil 2015, Biron – Soins du Sommeil, Boucherville (Canada), May 9, 2015: *Neuroimagerie des troubles du sommeil.*
9. PERFORM ABC Seminar Series, Concordia University, Montreal (Canada), April 30, 2015: *Basics of simultaneous EEG/fMRI studies.*
10. 2nd Annual Epilepsy Day, Montreal Neurological Institute, Montreal (Canada), April 16, 2015: *Consciousness in Sleep: a Neuroimaging Perspective.*
11. Neuroscience Colloquium Series, Carleton University, Ottawa (Canada), March 13, 2015: *Brain oscillations during human sleep: neural correlates, functions and clinical significance.*
12. Continuous Medical Education, Institut Universitaire de Gériatrie de Montréal, Montreal (Canada), February 19, 2015: *Sleep Disorders.*
13. Continuous Medical Education, University of Montreal, Montreal (Canada), Conference Day on ‘Sleep Disorders and Chronic Pain’, February 6, 2015: *Insomnia: pharmacological and non-pharmacological approaches.*
14. Center for Clinical Research in Health (CCRH) – Seminar Series, Concordia University, Montreal (Canada), November 13, 2014: *Neuroimaging and brain oscillations: a window on the sleeping and sleep-disordered brain.*
15. Brain Health Now Conference, Montreal Neurological Institute, Montreal (Canada), March 20, 2014: *Sleep and cognition: implications for the assessment and management of HIV?*
16. Pathways and Connections Discussion Series, Montreal Neurological Institute, Montreal (Canada), March 5, 2014: *How does one become a successful neuroscientist?*
17. The Feindel Brain Imaging Lecture Series at the BIC, Montreal Neurological Institute, Montreal (Canada), February 10, 2014: *Functional Imaging of the Sleeping and Sleep-Disordered Brain*
18. Sleep and Alertness Clinic, Toronto Western Hospital, Toronto (Canada), May 24, 2013: *Neuroimaging of Parasomnias*
19. Lady Davis Institute for Medical Research, Jewish General Hospital, Aging Seminar, Montreal (Canada), May 14, 2013: *Functional Neuroimaging of Sleep and its Disorders*
20. Douglas Mental Health University Institute, Neuroscience for Mental Health Seminars, Montreal (Canada), April 8, 2013: *Neuroimaging in Sleep Physiology and Sleep Disorders*
21. McGill University, The Montreal All-Opto Club, Montreal (Canada), November 28, 2012: *Functional Neuroimaging of Sleep Networks and Oscillations*
22. Concordia University, Seminar of the Center for Studies in Behavioral Neurobiology, Montreal (Canada), April 12, 2012: *Neuroimaging of Sleep and Sleep Disorders*
23. University of Glasgow, Seminar of the School of Psychology, Glasgow (U-K), December 9, 2011: *Functional Neuroimaging of Sleep and Sleep Disorders*
24. Annual Forum of the Belgian College of Neuropsychopharmacology and Biological Psychiatry, « Social Cognition and Psychopathology », Leuven (Belgium), December 3, 2011: *Pathophysiology of adult somnambulism: a functional neuroimaging approach*
25. Centre de Recherche de l’Institut Universitaire de Gériatrie de Montréal, Seminar of the Functional Neuroimaging Unit, Montreal (Canada), February 24, 2011: *Functional Neuroimaging during Sleep*
26. St-Luc University Hospital / Catholic University of Louvain, Post-graduate seminars of the Neurology Department, Brussels (Belgium), January 6, 2011: *Brain rhythms of sleep*
27. Hôpital du Sacré-Coeur de Montréal, Invited Conference at the Center for Advanced Research in Sleep Medicine, Montreal (Canada), October 15, 2010: *Functional neuroimaging insights into the physiology of human sleep*
28. University Hospital of Zurich, Seminar of the Department of Neurology, Zurich (Switzerland), April 3, 2009: *Spontaneous neural activity during human non-REM sleep: a multimodal functional neuroimaging approach*

29. University Hospital of Geneva, Seminar of the Neuroscience Centre, Geneva (Switzerland), March 31, 2009: *Spontaneous neural activity during human non-REM sleep: a multimodal functional neuroimaging approach*
30. Brugmann University Hospital / Free University of Brussels, Seminar of the Department of Psychiatry, Brussels (Belgium), December 1, 2008: *Sleep and Neuroimaging*

Teaching

1. Concordia University, Bachelor in Exercise Science: *Pathophysiology of Clinical Exercise Science II, Neurological Disorders* (60/year, since 2015)
2. Concordia University, Bachelor in Exercise Science: *Human Physiology I, Neuromuscular System* (30h/year, since 2013)
3. Concordia University, Bachelor in Exercise Science: *Research Methods* (60h/year, 2012-2014)
4. Harvard University, Neurobiology undergraduate courses, Boston (USA), October 21, 2009, & April 21, 2010: *The Sleeping Brain*
5. University of Liege, Biology undergraduate courses, Teaching Assistant, 1998-1999

Supervisory Experience (research)

Aude Jegou

- *Program*: MSc in Physics, Concordia University
- *Project title*: Neural correlates of sleep deprivation using simultaneous EEG/fMRI
- *Period of supervision*: since January 2016
- *Role*: Primary supervisor

Rosemarie Perrault

- *Role*: Clinical Psychologist
- *Project title*: Impact of Insomnia Treatment on Mood, Brain Functioning, and Cardiovascular Health
- *Period of supervision*: since December 2015
- *Role*: Primary supervisor

Dylan Smith

- *Program*: Postdoctoral Fellowship, Concordia University
- *Project title*: Neuroimaging and cognitive biomarkers of chronic insomnia and their relationship with treatment responses to cognitive-behavioral therapy
- *Period of supervision*: since September 2015
- *Role*: Primary supervisor

Alex Nguyen

- *Program*: Bachelor in Exercise Science (Major), Concordia University
- *Project title*: Biological predictors of treatment responses to cognitive-behavioral therapy for primary insomnia
- *Period of supervision*: since September 2015
- *Role*: Primary supervisor

Shira Azoulay

- *Program*: Bachelor in Psychology, Concordia University
- *Project title*: Biological predictors of treatment responses to cognitive-behavioral therapy for primary insomnia

- *Period of supervision:* since September 2015
- *Role:* Primary supervisor

Monica Crosetta

- *Program:* Bachelor in Psychology (Honors), Concordia University
- *Project title:* Direct and mediating effects of short-term exercise on sleep and recognition memory in young, sedentary adults
- *Period of supervision:* since September 2015
- *Role:* Primary supervisor

Oren Weiner

- *Program:* PhD in Psychology, Concordia University
- *Project title:* Coupling of neural oscillations in sleep, in relation to cognition and aging
- *Scholarship:* Concordia University Graduate Scholarship
- *Period of supervision:* since September 2015
- *Role:* Primary supervisor

Elisabeth Houle

- *Program:* Bachelor in Psychology, Concordia University
- *Project title:* Evaluation de l'efficacité d'une combinaison de thérapie cognitivo-comportementale pour l'insomnie à un programme de sevrage de benzodiazépines sur les fonctions cognitives et le sommeil chez la personne âgée
- *Scholarship:* NSERC Undergraduate Student Research Award
- *Period of supervision:* since January 2015
- *Role:* Primary supervisor

Viviane Guignard

- *Program:* Bachelor in Psychology, Concordia University
- *Project title:* Biological predictors of treatment responses to cognitive-behavioral therapy for primary insomnia
- *Period of supervision:* since January 2015
- *Role:* Primary supervisor

Sylviane Guignard

- *Program:* Bachelor in Psychology, Concordia University
- *Project title:* Biological predictors of treatment responses to cognitive-behavioral therapy for primary insomnia
- *Period of supervision:* since January 2015
- *Role:* Primary supervisor

Corina Moraru

- *Program:* Bachelor in Psychology, Concordia University
- *Project title:* Direct and mediating effects of short-term exercise on sleep and recognition memory in young, sedentary adults
- *Period of supervision:* since January 2015
- *Role:* Primary supervisor

Cynthia Malu

- *Program:* Bachelor in Psychology, Concordia University

- *Project title:* Biological predictors of treatment responses to cognitive-behavioral therapy for primary insomnia
- *Period of supervision:* since January 2015
- *Role:* Primary supervisor

Anthony Thorburn

- *Program:* Bachelor in Exercise Science (Major), Concordia University
- *Project title:* Biological predictors of treatment responses to cognitive-behavioral therapy for primary insomnia
- *Period of supervision:* since January 2015
- *Role:* Primary supervisor

Nastasia Gelastopoulos

- *Program:* Bachelor in Exercise Science (Major), Concordia University
- *Project title:* Biological predictors of treatment responses to cognitive-behavioral therapy for primary insomnia
- *Period of supervision:* since January 2015
- *Role:* Primary supervisor

Arshi Kaffash

- *Program:* Bachelor in Exercise Science (Major), Concordia University
- *Project title:* Biological predictors of treatment responses to cognitive-behavioral therapy for primary insomnia
- *Period of supervision:* since January 2015
- *Role:* Primary supervisor

Julian Alessi

- *Program:* Bachelor in Exercise Science (Major), Concordia University
- *Project title:* Biological predictors of treatment responses to cognitive-behavioral therapy for primary insomnia
- *Period of supervision:* since January 2015
- *Role:* Primary supervisor

Ali Nabeel

- *Program:* Bachelor in Exercise Science (Major), Concordia University
- *Project title:* Biological predictors of treatment responses to cognitive-behavioral therapy for primary insomnia
- *Period of supervision:* since January 2015
- *Role:* Primary supervisor

Anthony Rossi

- *Program:* Bachelor in Exercise Science (Major), Concordia University
- *Project title:* Biological predictors of treatment responses to cognitive-behavioral therapy for primary insomnia
- *Period of supervision:* since January 2015
- *Role:* Primary supervisor

Melodee Mograss

- *Role:* Research Associate; Concordia University & PERFORM Center

- *Project title:* Direct and mediating effects of short-term exercise on sleep and recognition memory in young, sedentary adults
- *Period of supervision:* since September 2014
- *Role:* Mentor

Caroline Desrosiers

- *Role:* Clinical Psychologist / Research Coordinator; Institut Universitaire de Gériatrie de Montréal
- *Project title:* Evaluation de l'efficacité d'une combinaison de thérapie cognitivo-comportementale pour l'insomnie à un programme de sevrage de benzodiazépines sur les fonctions cognitives et le sommeil chez la personne âgée
- *Period of supervision:* September 2014 -
- *Role:* Primary supervisor

Benjamin Hatch

- *Programs:* Master (MA) – PhD in Psychology, Concordia University
- *Project title:* Biological predictors of treatment responses to cognitive-behavioral therapy for primary insomnia
- *Scholarship:* Concordia University Graduate Scholarship
- *Period of supervision:* since September 2014
- *Role:* Primary supervisor

Melissa Veenstra

- *Program:* Bachelor in Psychology (Honors), Concordia University
- *Project title:* Predictors of Stress-Induced Insomnia
- *Period of supervision:* September 2014 – June 2015
- *Role:* Primary supervisor

Kirsten Packwood

- *Program:* Bachelor in Psychology (Honors), Concordia University
- *Project title:* Brain oscillations during sleep in insomnia
- *Period of supervision:* September 2014 – June 2015
- *Role:* Primary supervisor

Raymond You

- *Program:* Bachelor in Exercise Science (Honors), Concordia University
- *Project title:* Biomarkers of clinical recovery from post-stroke aphasia during sleep
- *Period of supervision:* June 2014 – June 2015
- *Role:* Primary supervisor

Stephanie Russo

- *Program:* Bachelor in Exercise Science (Major), Concordia University
- *Project title:* Biomarkers of clinical recovery from post-stroke aphasia during sleep
- *Period of supervision:* June 2014 – June 2015
- *Role:* Primary supervisor

Stephanie McKenzie

- *Program:* Bachelor in Exercise Science (Major), Concordia University
- *Project title:* Biological predictors of treatment responses to cognitive-behavioral therapy for primary insomnia

- *Period of supervision:* June 2014 – June 2015
- *Role:* Primary supervisor

Lena Dakin

- *Program:* Bachelor in Exercise Science (Major, Independent Study), Concordia University
- *Project title:* Sleep microarchitecture in chronic insomnia and their changes after cognitive-behavioural therapy
- *Period of supervision:* June 2014 - December 2014
- *Role:* Primary supervisor

Jocelyn Jia

- *Program:* Bachelor in Pharmacology and Therapeutics, McGill University
- *Project title:* Biological predictors of treatment responses to cognitive-behavioral therapy for primary insomnia
- *Period of supervision:* June 2014 - September 2014
- *Role:* Primary supervisor

Ali Salimi

- *Program:* Master (MSc) in Exercise Science, Concordia University
- *Project title:* Biological predictors of treatment responses to cognitive-behavioral therapy for primary insomnia
- *Scholarship:* Master's Training Scholarship (FRQ-S) and Concordia University Graduate Scholarship
- *Period of supervision:* since January 2014
- *Role:* Primary supervisor

Soufiane Boucetta

- *Program:* Postdoctoral Fellowship, Concordia University
- *Project title:* Pathophysiology of Sleep Disorders
- *Period of supervision:* since October 2013
- *Role:* Primary supervisor

Jordan O'Byrne

- *Program:* Master (MSc) in Exercise Science, Concordia University
- *Project title:* Coupling of neural oscillations in sleep, in relation to cognition and aging
- *Scholarship:* Frederick Banting and Charles Best Canada Graduate Scholarship - Master's (CIHR), Master's Training Scholarship (FRQ-S)
- *Period of supervision:* since January 2013
- *Role:* Primary supervisor

Claire André

- *Programs:* Master in Biomedical Science, University of Rouen (France)
- *Project title:* Coupling of neural oscillations in sleep, in relation to cognition and aging
- *Period of supervision:* March 2014 – June 2014
- *Role:* Primary supervisor

Eden Debellemanière

- *Programs:* Master in Biomedical Science, University of Rouen (France)
- *Project title:* Coupling of neural oscillations in sleep, in relation to cognition and aging
- *Period of supervision:* March 2014 – June 2014

- *Role:* Primary supervisor

Victoria Zhang

- *Program:* Bachelor in Physiology, McGill University
- *Project title:* Biological predictors of treatment responses to cognitive-behavioral therapy for primary insomnia
- *Period of supervision:* May 2013 – September 2014
- *Role:* Primary supervisor

Audrée Arcelin

- *Program:* Bachelor in Psychology (Behavioral Neuroscience), Concordia University
- *Project title:* Biomarkers of clinical recovery from post-stroke aphasia during sleep
- *Period of supervision:* January 2013 – September 2014
- *Role:* Primary supervisor

Lindsay Reed

- *Program:* Bachelor in Exercise Science (Honors), Concordia University
- *Project title:* Sleep spindles as a predictor of response to cognitive behavioural therapy in patients with primary insomnia
- *Period of supervision:* January 2013 – May 2014
- *Role:* Primary supervisor

Oupamdeep Malhi

- *Program:* Bachelor in Exercise Science (Honors), Concordia University
- *Project title:* Slow wave activity as a baseline predictor to cognitive behavioural therapy for chronic primary insomnia
- *Period of supervision:* January 2013 – May 2014
- *Role:* Primary supervisor

Melissa Berman

- *Programs:* Bachelor in Psychology, Concordia University
- *Project title:* Mechanisms and functions of brain rhythms during sleep
- *Period of supervision:* June 2013 – April 2014
- *Role:* Primary supervisor

Vanessa Del Vecchio

- *Program:* Bachelor in Exercise Science (Honors), Concordia University
- *Project title:* Biological predictors of treatment responses to cognitive-behavioral therapy for primary insomnia
- *Period of supervision:* January 2014 – May 2014
- *Role:* Primary supervisor

Vanessa Discepola

- *Program:* Bachelor in Biology, Concordia University
- *Project title:* Biological predictors of treatment responses to cognitive-behavioral therapy for primary insomnia
- *Period of supervision:* Jan. 2014 – April 2014
- *Role:* Primary supervisor

Jaric Ratté

- *Program:* Bachelor in Biochemistry (Science College), Concordia University
- *Project title:* Biomarkers of clinical recovery from post-stroke aphasia during sleep
- *Period of supervision:* May 2013 – October 2013
- *Role:* Primary supervisor

Nidhusha Vijayakumar

- *Program:* Bachelor in Psychology (Behavioral Neuroscience), Concordia University
- *Project title:* Neuroimaging of sleep and sleep disorders
- *Period of supervision:* January 2013 – May 2013
- *Role:* Primary supervisor

Marie-Eve Lapointe

- *Program:* Bachelor in Psychology, Université de Montréal
- *Project title:* Sleep micro-architecture in somnambulism
- *Period of supervision:* January 2012 – April 2012
- *Role:* Primary supervisor

Marie-Soleil Sirois

- *Program:* Bachelor in Psychology, Université de Montréal
- *Project title:* Sleep micro-architecture in somnambulism
- *Period of supervision:* January 2012 – April 2012
- *Role:* Primary supervisor

Francis Lachapelle

- *Program:* Bachelor in Psychology, Université de Montréal
- *Project title:* Sleep spindles in narcolepsy
- *Period of supervision:* October 2011 – April 2012
- *Role:* Primary supervisor

Stéphanie Belec

- *Program:* Bachelor in Psychology, Université de Montréal
- *Project title:* Sleep slow waves in narcolepsy
- *Period of supervision:* October 2011 – April 2012
- *Role:* Primary supervisor

Gladys Mikolajczak

- *Program:* Doctor in Medicine, Université de Liège (Belgium)
- *Project title:* Physiopathology and treatment of insomnia
- *Period of supervision:* October 2010 – June 2011
- *Role:* Primary supervisor

Julien Ly

- *Program:* Doctor in Medicine, Université de Liège (Belgium)
- *Project title:* fMRI studies of sleep oscillations
- *Period of supervision:* October 2008 – June 2009
- *Role:* Primary supervisor

Academic and Professional Memberships

- Association des Neurologues du Québec (ANQ)
- Fédération des Médecins Spécialistes du Québec (FMSQ)
- Sleep Research Society (SRS)
- American Academy of Sleep Medicine (AASM)
- Canadian Sleep Society (CSS)
- Canadian Sleep and Circadian Network (CSCN)
- European Sleep Research Society (ESRS)
- Society of Behavioral Medicine (SBM)
- Society for Clinical and Translational Science (SCTS)
- Consortium pour l'identification précoce de la maladie d'Alzheimer (CIMA-Q)

Editorial Experience

Editorial Board Member:

SLEEP

Scientific Reports

Sleep Spindles & Cortical Up States: A Multidisciplinary Journal

Neurology Central

Frontiers in Neurology (Sleep and Chronobiology)

Frontiers in Psychiatry (Neuropsychiatric Imaging and Stimulation)

Frontiers in Psychology (Psychoanalysis and Neuropsychanalysis)

Scientifica

Manuscript Reviewer:

Neuron (1), Brain (2), Cerebral Cortex (2), Journal of Neuroscience (1), Neurobiology of Aging (1), NeuroImage (1), Human Brain Mapping (1), PLoS ONE (1), Neuroscience & Biobehavioral Reviews (2), SLEEP (36), Journal of Sleep Research (11), Sleep Medicine (9), Journal of Clinical Sleep Medicine (8), Frontiers in Neurology (9), Dreaming (1), Biological Psychology (1), Acta Neuropathologica (1), European Journal of Neurology (1), European Journal of Neuroscience (1), Neurobiology of Learning and Memory (1), BMC Neuroscience (1), Journal of Behavioral and Brain Science (1), International Journal of Psychophysiology (1), Neural Plasticity (1).

Book Proposal Reviewer: Elsevier, Bentham Science Publishers

Knowledge Translation / Articles & Interviews in the Media

Medical expertise:

- **Continuous medical education** (family medicine, U. of Montreal): expert for CME activity on sleep disorders and chronic pain (february 6th 2015), sleep disorders in elderly populations (sept 11th 2015, march 18th 2016), insomnia (april 20th 2016)
Public lectures: sleep disorders expert for community talks with the general public (*Centre de services bénévoles aux aînés de Villeray, sept 28th 2015; Fondation Sommeil, Nov 12th 2015; Association Pulmonaire du Québec, Dec 8th 2015; Centre Avant-Age, March 10th 2016*)
- **Treatment guidelines** (RUSHGQ: 'Regroupement des unités de courte durée gériatriques et des services hospitaliers de gériatrie du Québec'): insomnia expert for guidelines on the use of hypno-

sedative agents in geriatric care units in Quebec (november 2014)

Television and radio interviews:

- **Radio Canada – Première:** ‘Les éclaireurs’, interview on insomnia (february 6th 2016)
<http://ici.radio-canada.ca/premiere/emissions/les-eclaireurs/saison-2014-2015-les-eclaireurs/segments/entrevue/5183/insomnie-sommeil-neurologue-thanh-dang-vu>
- **CBC – Radio Canada:** ‘The Current’, interview on insomnia (may 29th 2015)
<http://www.cbc.ca/radio/thecurrent/the-current-for-may-29-2015-1.3092437/insomnia-is-pervasive-and-changing-the-way-we-live-says-rm-vaughn-1.3092486>
- **TVA nouvelles:** TV news on insomnia and aging (march 13th 2015)
<http://www.tvanouvelles.ca/2015/03/11/les-ondes-cerebrales-permettent-de-predire-les-risques-dinsomnie>
- **CJAD 800AM:** Barry Morgan Show, interview on insomnia (march 12th 2015)
- **Tele-Quebec:** TV show ‘Une pilule, une petite granule’, interview on sleeping pills in the elderly (september 2014)
- **City Montreal:** TV show ‘Breakfast TV’, interview on sleep (august 13th 2014)
- **France2** [French TV channel] (8PM news, 08/23/2010): ‘Les mystères du sommeil dans le bruit’

Café scientifique :

- **Café scientifique:** expert for CIHR Café Scientifique on sleep entitled ‘You snooze, you win!’ (april 3rd 2014, café La Petite Cuillère, Montreal)

Magazine/newspaper interviews :

- **Montreal Gazette:** ‘Getting a good night’s sleep in old age’ (November 6th, 2015)
- **Le Journal du Bel Age:** ‘Vaincre l’insomnie’ (November 2015)
- **The Chronicle of Neurology + Psychiatry:** ‘Canadian researchers unravelling why humans sleep’ (fall 2015)
- **Neurology Central:** ‘Exploring sleep: interview with Thanh Dang-Vu’
<http://www.neurology-central.com/2015/08/25/exploring-sleep-interview-with-thanh-dang-vu/>
- **Notre Santé:** ‘Troubles du sommeil: lourds de conséquences’ (June 19th, 2015)
<http://notresante.ca/troubles-du-sommeil-lourds-de-consequences/>
- **Le Devoir:** ‘Vaincre l’insomnie, c’est possible’ (February 21st, 2015)
<http://www.ledevoir.com/societe/science-et-technologie/432188/vaincre-l-insomnie-c-est-possible>
- **Sciences & Vie:** ‘La Biologie de la Nuit’ (special issue, march 2014)
- **La Presse+:** ‘Les vidangeurs du cerveau’ (october 27th, 2013)
<http://plus.lapresse.ca/screens/40bb-fd98-526c1dd2-8205-5334ac1c6068%257Ckcs53gbQBqyS>
- **Le Monde de l’Intelligence:** ‘Savoir Dormir’ (issue n°31, july/aug 2013 ; p. 16-19)
- **Bulletin of the Vietnamese Canadian Federation :** ‘Profile Spotlight : D^r Thanh Dang-Vu’ (april/june 2013)
- **Sciences & Vie:** ‘Les Mystères du Sommeil’ (special issue, march 2013)
- **Science Careers:** ‘Presentation Tips for Non-Native Speakers’
http://sciencecareers.sciencemag.org/career_magazine/previous_issues/articles/2011_06_17/credit.a1100056
- **Boston Globe:** ‘Sound sleepers' brain waves block noise’
http://www.boston.com/news/health/blog/2010/08/sound_sleepers.html?p1=Well_MostPop_Emailed7
- **Fox News:** ‘Sound Sleeper? Thank Your Brain Waves’
<http://www.foxnews.com/health/2010/11/16/sound-sleeper-thank-brain-waves/>
- **LiveScience:** ‘Sound Sleeper? Thank Your Brain Waves’
<http://www.livescience.com/health/brain-waves-determine-deep-sleep-101115.html>
- **Wired:** ‘The Brain’s Secret to Sleeping Like a Log’
<http://www.wired.com/wiredscience/2010/08/sleep-spindles/?intcid=postnav>

- **Scientific American:** ‘Sound Sleepers' Brain Waves Block Sounds’
<http://www.scientificamerican.com/podcast/episode.cfm?id=sound-sleepers-brain-waves-block-so-10-08-12>
- **Science Daily:** ‘Brain Rhythm Predicts Ability to Sleep Through a Noisy Night’
<http://www.sciencedaily.com/releases/2010/08/100809123538.htm>
‘Human Brain Still Awake, Even During Deep Sleep’
<http://www.sciencedaily.com/releases/2008/10/081008101740.htm>
- **Science Now:** ‘Busy Brains Make for Deeper Sleep’
<http://news.sciencemag.org/sciencenow/2010/08/busy-brains-make-for-deeper-slee.html>
- **AOL Health:** ‘Sound Asleep? Why Some People Can Sleep Through Noise’
<http://www.aolhealth.com/2010/08/10/sound-asleep-why-some-people-can-sleep-through-noise>
- **Medical News Today:** ‘The Brain Still Awake, Even During Deep Sleep’
<http://www.medicalnewstoday.com/articles/125155.php>
- **Science News:** ‘Spindles foster sound slumber’
http://www.sciencenews.org/view/generic/id/61983/title/Spindles_foster_sound_slumber
- **Le Soir:** ‘Le sommeil de plomb : une histoire d’ondes’
http://archives.lesoir.be/le-sommeil-de-plomb-une-histoire-d-8217-ondes_t-20110906-01KGC7.html
- **Le Figaro:** ‘Le secret de ceux qui arrivent à dormir dans le bruit’
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Languages

- French mother language
- English fluent (TOEFL certificate – 2009: 113/120)
- Dutch basic
- Vietnamese basic