

# Robert T. Thibault

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## Academic appointments

2019-  
present     **Postdoctoral Researcher**  
UK Reproducibility Network  
School of Psychological Science  
University of Bristol, United Kingdom  
Advisor: Marcus Munafò

## Education

2014-2018     **Ph.D., Integrated Program in Neuroscience**  
McGill University, Montreal, Canada (GPA: 4.00/4.00)

2018     **Semester abroad, Institute for Brain and Behavioral Sciences**  
Chapman University, Irvine, California

2008-2012     **B.Sc., Neuroscience, Cognitive and Behavioral Stream**  
McGill University, Montreal, Canada (GPA: 3.96/4.00)

2011     **Semester exchange program, Neuroscience**  
University of Auckland, New Zealand

## Books

2019     Raz, A., **Thibault, R.T.** (eds.) (2019). Casting Light on the Dark Side of Brain Imaging. Academic Press, Elsevier

## Peer-reviewed publications

(all articles freely available at [robert-thibault.com/publication](http://robert-thibault.com/publication))

- Under review      **Thibault, R. T.**, MacPherson, A., Harnad, S., Raz, A. *The Rent's Too High: Self-Archiving* Tames Science Publishers.
- 2019      Wexler, A., & **Thibault, R. T.** (2018). Mind-Reading or Misleading? Assessing Direct-to-Consumer Electroencephalography (EEG) Devices Marketed for Wellness and Their Ethical and Regulatory Implications. *Journal of Cognitive Enhancement*, 1-7.
- 2018      **Thibault, R. T.**, Veissière, S., Olson, J. A., & Raz, A. (2018). EEG-Neurofeedback and the Correction of Misleading Information: A Reply to Pigott and Colleagues. *Journal of attention disorders*
- 2018      **Thibault, R. T.**, & Raz, A. (2018). A Consensus Framework for Neurofeedback Research (and the perils of unfounded neuroreductionism). **American Psychologist**.
- 2018      **Thibault, R. T.**, Lifshitz, M., & Raz, A. (2018). The Climate of Neurofeedback: Scientific Rigour and the Perils of Ideology. **Brain**, 1-3.
- 2018      **Thibault, R.T.**, MacPherson, A., Lifshitz, M., Roth, R.R., Raz A. (2018). Neurofeedback with fMRI: A critical systematic review, **NeuroImage**, 172, 786-807.
- 2018      **Thibault, R. T.**, Veissière S., Olson, J. A., Raz, A. (2018) Treating ADHD with Suggestion: Neurofeedback and Placebo Therapeutics. **Journal of Attention Disorders**, 22(8), 707-711.
- 2017      **Thibault, R. T.**, Lifshitz, M., & Raz, A. (2017). Neurofeedback or Neuroplacebo? **Brain**, 140(4), 862-864.
- 2017      **Thibault, R. T.**, & Raz, A. (2017). The Psychology of Neurofeedback: Clinical Intervention even if Applied Placebo. **American Psychologist**, 72(7), 679-688.
- 2017      Lifshitz, M.\*, **Thibault, R. T.\***, Roth, R., & Raz, A. (2017). Source-localization of brain states associated with canonical neuroimaging postures. **Journal of Cognitive Neuroscience**, 29(7), 1292-1301. \*Authors contributed equally
- 2016      **Thibault, R. T.**, & Raz, A. (2016). When can neurofeedback join the clinical armamentarium? **The Lancet Psychiatry**, 3, 497-498.
- 2016      **Thibault, R. T.**, & Raz, A. (2016). Neurofeedback: The power of psychosocial therapeutics. **The Lancet Psychiatry**, 3(11), e18.

- 2016 **Thibault, R. T.**, Lifshitz, M., & Raz, A. (2016). The Self-Regulating Brain and Neurofeedback: Experimental Science and Clinical Vogue. **Cortex**, 74, 247–261. doi:10.1016/j.cortex.2015.10.024
- 2016 **Thibault, R. T.**, & Raz, A. (2016). Imaging Posture Veils Neural Signals. **Frontiers in Human Neuroscience**, 10(October), 1–8. doi:10.3389/fnhum.2016.00520
- 2016 **Thibault, R. T.**, Lifshitz, M., & Raz, A. (2016). Body position alters human resting-state: Insights from multi-postural magnetoencephalography. **Brain Imaging and Behavior**, 10(3), 772–780. doi:10.1007/s11682-015-9447-8
- 2015 **Thibault, R. T.**, Lifshitz, M., Birbaumer, N., & Raz, A. (2015). Neurofeedback, Self-Regulation, and Brain Imaging : Clinical Science and Fad in the Service of Mental Disorders. **Psychotherapy and Psychomatics**, 84(4), 193–207. doi:10.1159/000371714
- 2014 **Thibault, R. T.**, Lifshitz, M., Jones, J. M., & Raz, A. (2014). Posture alters human resting-state. **Cortex**, 58, 199–205. doi:10.1016/j.cortex.2014.06.014

## Other publications

- 2019 **Thibault R.T.** When the Brain Lies: Body Posture Alters Neural Data. In Thibault R.T. and Raz A. (eds.), *Casting Light on the Dark Side of Brain Imaging*. Academic Press, Elsevier.
- 2019 **Thibault R.T.**, Dahl, L., Raz, A. Why Neuroimaging can't Diagnose Autism. In Thibault R.T. and Raz A. (eds.), *Casting Light on the Dark Side of Brain Imaging*. Academic Press, Elsevier.
- 2019 Ghaziri, J., **Thibault R.T.** Neurofeedback: An Insider Perspective. In Thibault R.T. and Raz A. (eds.), *Casting Light on the Dark Side of Brain Imaging*. Academic Press, Elsevier.
- 2019 Wikipedia contribution for “Neurofeedback”  
<https://en.wikipedia.org/wiki/Neurofeedback>
- 2018 **Thibault, R.T.** (2018) Brain Training: Buyer Beware. Article for the blog hosted by *TruthInAdvertising.org*, an independent consumer advocacy group. Posted on 2 May 2018.

- 2018 **Thibault, R.T.** (2018). *The Fake News Effect* in biomedicine. Article for the Neuroethics Blog hosted by the Center for Ethics at Emory University, posted on 17 Apr 2018.
- 2017 **Thibault, R.T.** (2017). Proposal and Documentation: Montreal, divest the municipal pension fund from the fossil fuel industry. Research report presented to the Mayor of the Plateau Mont-Royal Borough on 5 Jun 2017.
- 2016 **Thibault, R.T., MacPherson, A., Roth, R., & Raz, A.** (2016). FMRI neurofeedback: Brain self-regulation or biobehavioral intervention? *Front. Hum. Neurosci.* Conference Abstract: SAN2016 Meeting.
- 2016 **Thibault, R.T., & Raz, A.** (2016). Placebo science and neurofeedback. *Front. Hum. Neurosci.* Conference Abstract: SAN2016 Meeting.
- 2016 **Thibault, R.T., Lifshitz, M., Roth, R., & Raz, A.** (2016). Body posture shapes neuroimaging data. Conference Abstract: 10th FENS Forum
- 2016 **Thibault, R.T., Lifshitz, M., & Raz, A.** (2016). The self-regulating brain and neurofeedback: Experimental science and clinical promise. *Cortex*, (Elsevier AudioSlides)
- 2016 **Thibault, R.T., & Lifshitz, M.** (2016). Reduce fossil fuel dependence to improve mental health, (Memoir presented to l'Office de Consultation Publique de Montréal)
- 2016 Frankel, V.M., Nash, T., **Thibault, R.T.**, Summerhays, D., & Perry, K. (2016). Divest Montreal from Fossil Fuels: Leadership for Environmental and Economic Policy in Quebec, Canada, and Beyond (Memoir presented to l'Office de Consultation Publique de Montréal)
- 2014 **Thibault, R.T., Lifshitz, M., Jones, J.M., & Raz, A.** (2014) Posture alters human resting-state. 20th Annual Meeting of the Organization for Human Brain Mapping (OHBM), (Poster)
- 2014 **Thibault, R.T., Lifshitz, M., Jones, J.M., & Raz, A.** (2014). Posture alters human resting-state. *Cortex*, (Elsevier AudioSlides).

## Fellowships and scholarships

- 2019 FRQS (Fonds de recherche du Québec santé) Postdoctoral fellowship, 1<sup>st</sup> place in clinical neuroscience, psychiatry, and psychology.
- 2019 FRQNT (Fonds de recherche Québec nature et technologies) Postdoctoral fellowship, 1<sup>st</sup> place in psychology and neuroscience - declined
- 2018 NSERC Michael Smith Foreign Study Supplement
- 2015-2018 NSERC Alexander Graham Bell Canada Graduate Scholarship
- 2015 FRQNT (Fonds de recherche Québec nature et technologies) Master's scholarship, 1<sup>st</sup> place in psychology and neuroscience

## Grants

- 2018 Suggestion-based, technology-assisted self-regulation training. \$15,000  
**Thibault R. T.**, Olson J. A., Veissière S., Mitacs Globalink Grant
- 2015-2016 The self-regulating brain: Neurofeedback and placebo therapeutics. Raz A., **Thibault R. T.**, BIAL Foundation Fellowship Program €46,000
- 2014 Canada Summer Jobs Entrepreneur Grant. **Thibault R. T.**- \$2,177 declined
- 2013-2014 Neurofeedback, Self-Regulation, and Brain Imaging: Clinical Science and Fad in the Service of Mental Disorders. Birbaumer N., Raz A., **Thibault R. T.**, Volkswagen Foundation 'Experiment' Grant €100,000

## Awards

- 2019 Integrated Program in Neuroscience at McGill University "STAR" award \$1,000
- 2018 Paper of the Month, Lady Davis Institute for Medical Research

2017	Real-time Functional Imaging and Neurofeedback 2017 Travel Award	¥93,000
2016	Graduate Research Enhancement and Travel Award	\$500
2016	McConnell Brain Imaging Center Presentation Competition Winner	\$500
2014-2015	Internal Award from the Integrated Program in Neuroscience	\$10,000
2014	Graduate Research Enhancement and Travel Award	\$500
2009-2012	Dean's Honour List for Undergraduate Science	
2012	Dean's Interdisciplinary Undergraduate Research List	
2012	First Class Honours (McGill University)	
2011	McGill Mobility Award	\$3,000
2009-2011	Golden Key International Honour Society Invitation – declined	

## Presentations

2019	Self-deception in scientific research: a how to guide ( <i>Auto-deception dans la recherche scientifique: un guide</i> ). Invited guest lecturer for <i>Le centre de recherche en neuropsychologie et cognition</i> , University of Montreal, Montreal, Canada, on 1 Feb 2019.
2018	Neurofeedback avec Électroencéphalographie: Prochaines Étapes. Keynote speaker at the <i>3<sup>e</sup> journée nationale sur le neurofeedback</i> , Lyon, France, on 4 May 2018.
2018	Placebos, cognitive bias, and the art of self-deception (in biomedical research). Invited guest lecturer for the Neurorehabilitation seminars at the University of Southern California on 2 Mar 2018.
2018	Biases in biomedical research. Invited guest lecturer for the lab of Dr. Uri Maoz at Chapman University on 26 Feb 2018.
2018	Consumer EEG: Lofty claims, scant evidence. Invited conference presenter and panel discussant for The Evolving Phenomenon of Direct-to-Consumer

Neuroscience at The Banbury Center, Cold Spring Harbor, USA, on 5 Feb 2018.

- 2018 Falsifiability, parsimony, and how to debunk pseudoscience. Invited four-lecture series for PSYC 201: Critical Thinking, at Chapman University, Orange, USA, from 8 - 23 Jan 2018.
- 2017 fMRI-neurofeedback: Insights from a systematic review. Oral presentation for Real-time functional neuroimaging and neurofeedback 2017 conference in Nara, Japan, on 1 Dec 2017.
- 2017 Neurofeedback: Behavioral intervention or applied placebo? Invited oral presentation for the School of Psychoeducation at Montreal University, Canada on 3 May 2017.
- 2017 When the brain lies: body posture shapes brain data. Oral presentation for a Thesis Competition at McGill University in Montreal, Canada, on 9 Feb 2017.
- 2016 Body posture alters brain activity. Oral presentation for the Integrated Program in Neuroscience 3-Minute Thesis Competition in Montreal, Canada, on 30 Nov 2016 (received 3rd place).
- 2016 FMRI neurofeedback: Brain self-regulation or biobehavioral intervention? Invited oral presentation for the Society of Applied Neuroscience 2016 Conference in Corfu, Greece, on 7 Oct 2016.
- 2016 Body posture shapes neuroimaging data. Poster presentation for the 10th Federation of European Neuroscience Societies (FENS) Forum in Copenhagen, Denmark, on 4 Jul 2016.
- 2016 Brain imaging: Promise and perils. Oral presentation and panel discussion for the Quebec Inter-University Neuro-symposium in Montreal, Canada, on 17 Jun 2016 (received 2nd place).
- 2016 Imaging the brain in an MRI environment. Oral presentation for the McConnell Brain Imaging Center Presentation Competition at the Montreal Neurological Institute, Canada, on 24 May 2016 (received 2nd place).
- 2014 Posture alters human resting-state. Oral presentation for the graduate student presentation competition at the Lady Davis Institute, Montreal, Canada on 19 Feb 2014 (received 2nd place).

## **Consulting**

National Film Board of Canada, neurofeedback start-up companies, media outlets (CBC, La Presse, NPR)

## **Peer-Review**

2014- Lancet Psychiatry, Brain, Behavioral and Brain Sciences, PNAS, NSF, Neuron, NeuroImage, Cortex, American Psychologist, Neuropsychologia, and others. Full list available at:  
<https://publons.com/author/1303812/robert-thibault#profile>

## **Languages**

English (native), French (fluent)