

## **Clemens Christian Chimalpopoca Bauer Hoss**

Northeastern University Interdisciplinary Science & Engineering Complex (ISEC)  
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Prepared May 2021

### **Education**

- 06/2010-07/2014 *PhD in Biomedical Sciences*, Universidad Nacional Autónoma de México  
Dissertation: Modulation of the activity in the primary somatosensory cortex by means of controlled and sustained attention  
Specialization: fMRI experimentation, data acquisition and analysis  
Advisor: Fernando A. Barrios, PhD
- 03/2006-07/2016 *MSc. in International Health*, Charite, University of Berlin, Germany  
Dissertation: Child overweight and obesity are associated with reduced executive cognitive performance and brain alterations: a magnetic resonance imaging study in Mexican children  
Advisors: Simón Barquera, M.D., PhD & Fernando A. Barrios, PhD
- 10/2017-03/2018 Mindfulness Teacher Training, CalmerChoice, Falmouth, MA, USA  
01/2014-02/2014 Mindfulness Teacher Training, Teach Mindfulness, London, UK.
- 10/2006-11/2008 *MSc. in Cognitive Science*, University of Osnabrück, Germany  
Dissertation: Representational approaches to Consciousness  
Specialization: Philosophy of Mind  
Advisor: Stephan Achim, PhD
- 03/1996-06/2001 *M.D. in Medicine*, Universidad Autónoma de Guadalajara, Guadalajara, México  
Dissertation: Epidemiologic health-based study of the Tihosuco community, Quintana Roo, México

### **Research Experience**

- 09/07/2020 – present Associate Research Scientist  
Full time  
Northeastern University  
Interdisciplinary Science & Engineering Complex (ISEC)  
Whitfield-Gabrieli Lab @ Northeastern University
- 09/15/2015- 09/15/2020 Postdoctoral Associate  
Full time  
Supervisor: John D. Gabrieli  
[The Gabrieli Lab at MIT](#) Department of Brain and Cognitive Sciences Massachusetts Institute of Technology
- 10/10/2018- 09/10/2020 Postdoctoral Associate  
fulltime  
Supervisor: Susan Whitfield-Gabrieli

Precision medicine/ Early detection/ Novel intervention  
North Eastern University

- 08/10/2018-2020 Postdoctoral Fellow  
Supervisor: Margaret Nizniliewicz, PhD  
Laboratory of Neuroscience,  
Clinical Division: Cognitive Neuroscience Laboratory at  
Boston VA Healthcare System, Brockton MA
- 09/14/2014-09/14/2015 *Postdoctoral Associate*  
Supervisor: Judson A Brewer, MD, PhD  
Therapeutic Neuroscience Lab  
Center for Mindfulness, University of Massachusetts Medical  
School
- 03/10/2009- 07/10/2014 *Post Graduate Scholar*  
Instituto de Neurobiología,  
Universidad Nacional Autónoma de México  
Querétaro, México
- 05/01/2013-10/31/2013 *Visiting Scholar*  
Nathan S. Kline Institute for Psychiatric Research and Child  
Mind Institute, New York, NY, USA  
Supervisor: Cameron Craddock, PhD

### **Professional Experience**

- 10/2017-03/2018 *Mindfulness Teacher*  
East Falmouth Elementary School
- 05/2009- 06/2014 *General Practitioner*  
Physician on duty at CINDETEC bioequivalence investigation  
center
- 01/2010- 06/2013 *Psychology Lecturer*  
Anáhuac Univeristy, Querétaro
- 06/2011-08/2012 *Halve way house "Paideya"*  
Primary health care of addiction patients under recovery  
Querétaro, México
- 02/2008-01/2009 *Spanish Teacher*  
Inlingua  
Onsabrück, Germany
- 05/2004-08/2006 *General Practitioner*  
Private Practice in primary health care  
Jesús María, Querétaro, México
- 08/2002-03/2004 *Occupational Medicine*  
Bombas Alemanas water pump company  
Querétaro, México
- 08/2002-08/2003 *Emergency Medicine*  
Red Cross  
Querétaro, México
- 01/2001-06/2002 *Medical Social Service*  
Primary health center

06/1999-07/2000 Tihosuco, Quintana Roo, México  
*Medical Internship*  
Hospital Salvador Zubirán, Mexico City

06/1994-02/1996  
*Paramedic*  
Enlace Médico ambulance service healthcare  
Querétaro, México

### **Technical Skills**

#### *General Programming Skills:*

Programming MRI scanner sequences mainly in GE, Siemens and Phillips systems.  
Bash, Python, Git, Psychopy, Matlab, and LaTeX knowledge.  
Basic Machine learning skills in Python and R  
Skilled usage of [murfi2](#) realtime fMRI software platform

#### *Analytical Skills:*

BIDS, Nipype, R, FSL, SPM, AFNI, Freesurfer, CONN, EEG BrainProducts-Analyzer

### **Languages**

Spanish (native); German (native); English (fluent)

### **Meditation**

- Mindfulness Teacher Training, Teach Mindfulness, London, UK.
- CalmerChoice ([www.calmerchoice.com](http://www.calmerchoice.com)) Mindfulness Teacher Training
- ~10 years of Vipassana Meditation experience as taught by S.N. Goenka in the tradition of Sayagyi U Ba Khin

### **Societies and associations**

Organization for Human Brain Mapping (OHBM)  
Society for Neuroscience (SfN)

### **Articles in Preparation**

1. Ana Y Martinez, Athena Demertzi, **Clemens C Bauer**, Zeus Gracia-Tabuenca, Sarael Alcauter, Fernando Barrios. The Time Varying Networks of the Interoceptive Attention and Rest. Under review in NeuroImage
2. **Bauer, C.**, Siless, V., Wang, J., Goncalves, M., Frosch, I., Hubbard, N.A., Vergara, G., Conroy, K., Vaz De Souza, F., Rosso, I, Hirshfeld-Becker, D.R., Henin, A., Hofmann, S., Pizzagalli, D., Ghosh, S., Auerbach, R., Yendiki, A., Gabrieli, J.D.E., Whitfield-Gabrieli, S. Boston Adolescent Neuroimaging of Depression and Anxiety Consortium: Preliminary resting-state results. In preparation

## Publications (NCBI / Google Scholar)

1. Collin, G., **Bauer, C. C.**, Anteraper, S. A., Gabrieli, J. D., Molokotos, E., Mesholam-Gately, R., ... & Whitfield-Gabrieli, S. (2021). Hyperactivation of Posterior Default Mode Network During Self-Referential Processing in Children at Familial High-Risk for Psychosis. *Frontiers in Psychiatry*, 12, 18, DOI: 10.3389/fpsy.2021.613142
2. **Clemens C. C. Bauer**, Liron Rozenkrantz, Camila Caballero, Ethan Scherer, Martin West, Michael Mrazek, Dawa T. Phillips, Susan Whitfield-Gabrieli, John D.E. Gabrieli. Mindfulness training increases resting state default-mode network anticorrelations and reduces attentional lapses in middle school children: a randomized controlled trial. (2020) *HBM*, <https://doi.org/10.1002/hbm.25197>
3. Duarte D\*; **Bauer CCC\***; Pinto CB\*; Saleh Velez FG ; Estudillo-Guerra MA; Pacheco-Barrios K; Gunduz ME; Crandell D; Merabet L; Fregni F1. Cortical Plasticity in Phantom Limb Pain: a fMRI study on the neural correlates of behavioral clinical manifestations. (2020) *Psychiatry Research: Neuroimaging*, in press
4. Hubbard, N.A., Romeo, R.R., Grotzinger, H., Giebler, M., Imhof, A., **Bauer, C.C.C.**, & Gabrieli, J.D.E. Reward-sensitive basal ganglia stabilize the maintenance of goal-relevant neural patterns in adolescents. (2020) *Journal of Cognitive Neuroscience*, In press.
5. Siless, V., Wang, J., Vergara, G., Hubbard, N.A., **Bauer, C.**, Goncalves, M., Frosch, I., Conroy, K., Vaz De Souza, F., Rosso, I., Hirshfeld-Becker, D.R., Henin, A., Hofmann, S., Pizzagalli, D., Ghosh, S., Gabrieli, J.D.E., Whitfield-Gabrieli, S., Auerbach, R., Yendiki, A. (2020) Image acquisition and quality assurance in the Boston Adolescent Neuroimaging of Depression and Anxiety study. *NeuroImage: Clinical*, 26 p.102242
6. Hubbard, N.A., Siless, V., Frosch, I.R., Goncalves, M., Lo, N., Wang, J., **Bauer, C.C.C.**, Conroy, K., Cosby, E., Hay, A. and Jones, R., (2020). Brain Function and Clinical Characterization in the Boston Adolescent Neuroimaging of Depression and Anxiety Study. *NeuroImage: Clinical*, 26 p.102240.
7. K. Okano, **C.C.C. Bauer**, S. S. Gosh, Y.Ji.Lee, H.Melero, C. de los Angeles, P. G. Nestor, E. C. del Re, G. Northoff, M. A. Niznikiewicz, S.Whitfield-Gabrieli. (2020) Real-time fMRI feedback impacts brain activation, results in auditory hallucinations reduction: Part 1: Superior Temporal Gyrus -Preliminary evidence- *Psychiatry Research*. [10.1016/j.psychres.2020.112862](https://doi.org/10.1016/j.psychres.2020.112862)
8. **C.C.C. Bauer**, K. Okano, S. S. Gosh, Y.Ji.Lee, H.Melero, C. de los Angeles, P. G. Nestor, E. C. del Re, G. Northoff, M. A. Niznikiewicz, S.Whitfield-Gabrieli. (2020) Real-time fMRI neurofeedback reduces auditory hallucinations and modulates resting state connectivity of involved brain regions: Part 2: Default Mode Network -Preliminary evidence-. *Psychiatry Research*. [10.1016/j.psychres.2020.112770](https://doi.org/10.1016/j.psychres.2020.112770)
9. **Bauer, C. C. C.**, Whitfield-Gabrieli, S., Díaz, J.-L., Pasaye, E., Barrios, F. (2019) From state-to-trait meditation: Reconfiguration of central executive and default mode networks. *eNeuro*.
10. **Bauer, C. C. C.**, Caballero, C., Scherer, E., West, M. R., Mrazek, M. D., Phillips, D. T., Whitfield-Gabrieli, S., & Gabrieli, J. D. E. (2019). Mindfulness Training Reduces Stress and Amygdala Reactivity to Fearful Faces in Middle-School Children. *Behavioral Neuroscience*. <http://dx.doi.org/10.1037/bne0000337>
11. Whitfield-Gabrieli, S., **Bauer, C.**, Okano, K., Nestor, P., Del Re, E., Gosh, S., & Niznikiewicz, M. (2017). M64. Real Time fmri Feedback Targeting Default Mode Network (dmn) Reduces Auditory Hallucinations. *Schizophrenia Bulletin*, 43(suppl\_1), S233.

12. Niznikiewicz, M., Okano, K., **Bauer, C.**, Nestor, P., Del Re, E., Gosh, S., & Whitfield-Gabrieli, S. (2017). 141. Real-time fmri Feedback Directed at Superior Temporal Gyrus (stg) Reduces Auditory Hallucinations. *Schizophrenia Bulletin*, 43(suppl\_1), S75.
13. Amalia McDonald, Jordan Muraskin, Nicholas Thomas Van Dam, Caroline Froehlich, Benjamin Puccio, John Pellman, **Clemens CC Bauer**, Alexis Akeyson, Melissa Breland, Vince Calhoun, Steven Carter, Tiffany Chang, Chelsea Gessner, Alyssa Giannone, Steven Giavasis, Jamie Glass, Steven Homann, Margaret King, Melissa Kramer, Drew Landis, Alexis Lieval, Jonathan Lisinski, Anna MacKay-Brandt, Brittny Miller, Laura Panek, Hayley Reed, Christine Santiago, Eszter Schoell, Richard Sinning, Melissa Sital, Elise Taverna, Russell Tobe, Kristin Trautmann, Betty Varghese, Lauren Walden, Runtang Wang, Abigail B Waters, Dylan C Wood, F. Xavier Castellanos, Bennett L. Leventhal, Stanley J Colcombe, Stephen M LaConte, Michael P Milham, R Cameron Craddock, (2016). The Real-time fMRI Neurofeedback Based Stratification of Default Network Regulation Neuroimaging Data Repository. *NeuroImage* <http://dx.doi.org/10.1016/j.neuroimage.2016.10.048>
14. van Lutterveld, R., Houlihan, S.D., Pal, P., Sacchet, M.D., McFarlane-Blake, C., Patel, P.R., Sullivan, J.S., Ossadtchi, A., Druker, S., **Bauer, C.**, Brewer, J.A., 2016. Source-space EEG neurofeedback links subjective experience with brain activity during effortless awareness meditation. *NeuroImage*. doi:10.1016/j.neuroimage.2016.02.047
15. **Clemens C. C. Bauer**, José-Luis Díaz, Luis Concha, and Fernando A. Barrios. Subjective somatosensory experiences disclosed by focused attention: cortical-hippocampal-insular and amygdala contributions. *PlosOne*, August 28, 2014 DOI: 10.1371/journal.pone.0104721
16. Luke Stoeckel, Kathleen A. Garrison, Satra Ghosh, Paul Wightton, Colleen A. Hanlon, Jodi M. Gilman, Stephanie Greer, Nicholas B. Turk-Browne, Megan T. deBettencourt, Dustin Scheinost, Cameron Craddock, Todd Thompson, Vanessa Calderon, **Clemens C.C. Bauer**, Mark George, Hans C. Breiter, Susan Whitfield-Gabrieli, John D. Gabrieli, Stephen M. LaConte, Laurence M. Hirshberg, Judson A. Brewer, Michelle Hampson, Andre Van Der Kouwe, Sean Mackey, Anne E Evins. Optimizing Real Time fMRI for Neurotherapeutic Discovery and Development. *NeuroImage. Clinical*, 5, 245–255. doi:10.1016/j.nicl.2014.07.002
17. **Clemens C. C. Bauer**, José-Luis Díaz, Luis Concha, and Fernando A. Barrios. Sustained Attention to Spontaneous Thumb Sensations Activates Brain Somatosensory and Other Proprioceptive Areas. *Brain & Cognition*. Vol. 87, May 2014, Pages 86-96.
18. **Clemens C. C. Bauer**, Beatriz Moreno, Leopoldo González-Santos, Luis Concha, Simón Barquera, Fernando A. Barrios, 2015. Child overweight and obesity are associated with reduced executive cognitive performance and brain alterations: a magnetic resonance imaging study in Mexican children. *Pediatric obesity*, 10(3), pp.196–204.
19. Romero-Romo JI, **Bauer CCC**, Pasaye EH, Gutiérrez RA, Favila R, Barrios FA. Abnormal Functioning of the Thalamocortical System Underlies the Conscious Awareness of the Phantom Limb Phenomenon. *The Neuroradiology Journal*. 2010;23(6):665–70. [PubMed](#)
20. Schwering A, **Bauer C**, Dorceva I, Gust H, Krumnack U, Kühnberger KU. The Impact of Gestalt Principles on Solving Geometric Analogies. 2nd International Analogy Conference (ANALOGY 2009). *New Bulgarian University Press, Sofia* (2009). pp 404-413 [\[bibtext\]](#) [\[pdf\]](#)

#### Books

1. "Basal Ganglia - An Integrative View", book edited by Fernando A. Barrios and **Clemens Bauer**, ISBN 978-953-51-0918-1, Published: January 2, 2013 [\[open access\]](#)
2. Das Transzendente in Schopenhauers Preisschrift über die Freiheit des Willens. **Bauer C.C.C.** CreateSpace Independent Publishing Platform 2012. [\[Paperback\]](#)

3. About the Symbol in Cassirer's: Essay on Man. **Clemens Bauer** GRIN 2006 [\[paperback\]](#)

#### Chapters in Books

1. **Bauer, Clemens C.C.** 2014. La disolución del yo. Una explicación conforme a la hipótesis del enjambre. En M Giordano, RE Mercadillo & JL Díaz (Eds). Cerebro y libre albedrío. Ensayos sobre Neuroética. 2016, pp. 191-211. México: Herder ISBN 9788425434099
2. **Clemens C.C. Bauer**, Erick H. Pasaye, Juan I. Romero-Romo and Fernando A. Barrios. The Integrative Role of the Basal Ganglia. Chapter 4 in "Basal Ganglia - An Integrative View", book edited by Fernando A. Barrios and Clemens Bauer, January 2, 2013. ISBN 978-953-51-0918-1; DOI: 10.5772/54189 [\[open access\]](#)

#### Invited Talks

1. [TEDxMIT2020](#) fall conference held on December 20, 2020
2. **Clemens C.C. Bauer** Re-conectando circuitos neuronales: La meditación y sus efectos neuroplásticos en el cerebro sano y patológico. *KeyNote forr* "Ciclo de Conferencias de Investigación en Neurociencias". Facultad de Psicología, UNAM, Mexico, November 28, 2018.
3. **Clemens C.C. Bauer**. Mindfulness Intervention for Neurocognitive Development in Schools. first J-WEL Week on October 9 – 12, 2017. McGovern Institute for Brain Research, Massachusetts Institute of Technology.
4. **Clemens C.C. Bauer**. Sensory qualia and temporopolar cortex: a psychophysical approach using functional magnetic resonance imaging. XVII INTERNACIONAL PHILOSOPY CONGRESS. Morelia, Michoacán, México. April 9, 2014.
5. **Clemens C.C. Bauer**. Rompiendo con el ciclo del hábito mediante la meditación. Semana del cerebro 2014. Centro Educativo y Cultural del Estado de Querétaro "Manuel Gómez Morín" 11 de marzo 2014.
6. **Clemens C.C. Bauer**. Modulation of primary somatosensory cortex activity by voluntary sustained and focused attention: an fMRI study. The Gabrieli Lab at the Massachusetts Institute of Technology. Boston MA, October 4, 2013.
7. **Clemens C.C. Bauer**. Neurociencia de la atención controlada y la meditación. VII Coloquio de Neurohumanidades, *Mente≈Cuerpo* Diálogo interdisciplinario en el 70 aniversario de José Luis Díaz Gómez. México D.F., 19 al 22 de marzo 2013.
8. **Clemens C.C. Bauer**. Coloquio interdisciplinario de neuroética. Instituto de Neurobiología, UNAM. Querétaro 18 y 19 de septiembre del 2012.
9. **Clemens C.C. Bauer**. El control de la atención como instrument para la modulación de trastornos físicos y mentales. Segunda semana del cerebro, Universidad de Quintana Roo, México del 12 al 16 de marzo 2012.
10. **Clemens C.C. Bauer**. La Conciencia, sus alteraciones, estudio y tratamiento. Un acercamiento neurocientífico. Colegio de Psiquiatras de Querétaro. 16 de febrero 2012.
11. **Clemens C.C. Bauer**. Autismo, un enfoque multidisciplinario. Segundo simposio sobre el Autismo. Universidad Anáhuac Querétaro. 8 de noviembre 2011.

#### Conference Abstracts

1. P.Vázquez, C.C.C. Bauer (June 2019) A hypnotherapist in mind time travel during self-hypnosis. A rs-fMRI case study. Organization for Human Brain Mapping, Rome.
2. P.Vázquez, C.C.C. Bauer, S. Whitfield-Gabrieli, F. Barrios. (June 2019). Confirming dissociation during hypnosis without tasks execution. Organization for Human Brain Mapping, Rome.

3. Hubbard, N.A., Lo, N., Goncalves, M., Frosch, I., Siless, V., **Bauer, C.**, Conroy, K., Cosby, E., Hay, A., Jones, R., Pinaire, M., Vaz De Souza, F., Vergara, G., Henin, A., Hirshfeld-Becker, D., Hofmann, S., Pizzagalli, D., Yendiki, A., Auerbach, R., Ghosh, S., Gabrieli, J.D.E., Whitfield-Gabrieli, S. (May, 2019). Cognitive control-related brain activation patterns predict adolescent anhedonia symptoms. *Association for Psychological Science Annual Conference*. Washington, D.C.
4. **Bauer, C.**, Siless, V., Wang, J., Goncalves, M., Frosch, I., Hubbard, N.A., Vergara, G., Conroy, K., Vaz De Souza, F., Rosso, I., Hirshfeld-Becker, D.R., Henin, A., Hofmann, S., Pizzagalli, D., Ghosh, S., Auerbach, R., Yendiki, A., Gabrieli, J.D.E., Whitfield-Gabrieli, S. Boston Adolescent Neuroimaging of Depression and Anxiety Consortium: Preliminary resting-state results (June, 2018). Organization for Human Brain Mapping, Singapore.
5. Hubbard, N.A., Goncalves, M., Frosch, I., Siless, V., Wang, J., Vergara, G., Conroy, K., **Bauer, C.**, Vaz De Souza, F., Rosso, I., Hirshfeld-Becker, D.R., Henin, A., Hofmann, S., Pizzagalli, D., Ghosh, S., Auerbach, R., Yendiki, A., Gabrieli, J.D.E., Whitfield-Gabrieli, S. Boston Adolescent Neuroimaging of Depression and Anxiety Consortium: Preliminary task fMRI results. (June, 2018). Organization for Human Brain Mapping, Singapore.
6. Siless, V., Wang, J., Vergara, G., Hubbard, N.A., **Bauer, C.**, Goncalves, M., Frosch, I., Conroy, K., Vaz De Souza, F., Rosso, I., Hirshfeld-Becker, D.R., Henin, A., Hofmann, S., Pizzagalli, D., Ghosh, S., Gabrieli, J.D.E., Whitfield-Gabrieli, S., Auerbach, R., Yendiki, A. Boston Adolescent Neuroimaging of Depression and Anxiety Consortium: Preliminary diffusion MRI results. (June, 2018). Organization for Human Brain Mapping, Singapore
7. **Clemens Bauer**, Kana Okano, Paul Nestor, Satrajit Ghosh, Margaret Niznikiewicz, Susan Whitfield-Gabrieli. (2017). Real time fMRI feedback targeting default mode network (DMN) reduces auditory hallucinations. Organization for Human Brain Mapping (OHBM). Vancouver, Canada.
8. **Clemens Bauer**, Camila Caballero, Ethan Scherer, Martin West, Susan Whitfield-Gabrieli, John Gabrieli. (2017). Meditation, resting state connectivity, and sustained attention: An RCT in middle school children. Organization for Human Brain Mapping (OHBM). Vancouver, Canada.
9. Whitfield-Gabrieli, S., **Bauer, C.**, Okano, K., Nestor, P., Del Re, E., Gosh, S., & Niznikiewicz, M. (2017). M64. Real Time fmri Feedback Targeting Default Mode Network (dmn) Reduces Auditory Hallucinations. International Congress of Schizophrenia Research, San Diego, California.
10. Niznikiewicz, M., Okano, K., **Bauer, C.**, Nestor, P., Del Re, E., Gosh, S., & Whitfield-Gabrieli, S. (2017). 141. Real-time fmri Feedback Directed at Superior Temporal Gyrus (stg) Reduces Auditory Hallucinations. International Congress of Schizophrenia Research, San Diego, California.
11. **C.C.C. Bauer**, K. Okano, S.Gosh, C. Angeles, M. Niznikiewicz, S. Whitfield-Gabrieli. Neurofeedback-enhanced mindfulness effectively modulates brain's resting state in schizophrenia. Fifth Biennial Conference on Resting State and Brain Connectivity 2016
12. **Clemens C. C. Bauer**, Susan Whitfield-Gabrieli, José-Luis Díaz, Erick H. Pasaye and Fernando A. Barrios. From State to Trait Meditation Functional Connectivity: Default and Executive Network implications. Fifth Biennial Conference on Resting State and Brain Connectivity 2016
13. **Clemens C. C. Bauer**, José-Luis Díaz and Fernando A. Barrios. Subjective Sensations in the Brain: an fMRI Approach to Neurophenomenology. Mind & Life Summer Research Institute. Garrison, NY 2014.
14. **Clemens C. C. Bauer**, José-Luis Díaz, Erick H. Pasaye and Fernando A. Barrios. Conscious perception as the inner construct of *a priori* structures: neurophenomenology through fMRI. Proceedings of the 20th Annual Meeting of the Organization for Human Brain Mapping. Hamburg, Germany, 2014.

15. **Clemens CC Bauer**, José-Luis Díaz, Luis Concha, Fernando A Barrios. Qualia in the Brain: an fMRI Approach to Neurophenomenology. Proceedings of the *19th Annual Meeting of the Organization for Human Brain Mapping*. Page 175, No. 3923. Seattle, WA, USA, 2013. [\[listing\]](#)
16. **Clemens CC Bauer**, José-Luis Díaz, Luis Concha, Fernando A Barrios. My I's in the brain: distinct cortical structures for offline or online body representations. Proceedings of the *18th Annual Meeting of the Organization for Human Brain Mapping*, page 956 MT. Beijing China 2012. [\[open access\]](#)
17. Erick H Pasaye, Sarael Alcauter, Roberto E Mercadillo, **Clemens CC Bauer**, Jorge Paz, Jesus Taboada, Fernando A Barrios. Mirror system involved in tactile stimuli Proceedings of the *18th Annual Meeting of the Organization for Human Brain Mapping*, page 1040 MT. Beijing China 2012. [\[open access\]](#)
18. **CCC Bauer**, JL Diaz, EH Pasaye, PG Vazquez, L Concha, FA Barrios. Sustained attention in absence of external stimuli evokes somesthetic activity I the primary somatosensory cortex: a functional MRI study. *17th Annual Meeting of the Organization for Human Brain Mapping*, page 424 Quebec, Canada 2011. [\[open access\]](#)
19. Erick H Pasaye, Sarael Alcauter, Roberto E Mercadillo, **Clemens CC Bauer**, Arturo Ramirez magoya, Juan Ortiz, Fernando A Barrios. Neural Correlates of Spatial Encoding of Sensory Stimuli in Healthy Subjects, ab fMRI Study. Proceedings of the *17th Annual Meeting of the Organization for Human Brain Mapping*, page 1081 Wth. Quebec, Canada 2011.
20. Pablo Vázquez, Roberto Mercadillo, Erick Pasaye, **Clemens Bauer**, Luis Concha, Fernando Barrios. The concept Pars Sapiens correlated with cognitive paradigms in hypnosis: An fMRI study. Proceedings of the *16th Annual Meeting of the Organization for Human Brain Mapping*, page 218 MT, Barcelona, Spain 2010.

### **Editorial Duties**

Reviewer Board: Brain Sciences

Referee/Reviewer: Annals of Human Biology  
 Brain Sciences  
 Cerebral Cortex  
 Frontiers in Psychiatry  
 International Journal of Environmental Research and Public Health  
 International Journal of Obesity  
 Journal of Comparative Neurology  
 Mindfulness  
 Pediatric Obesity  
 Perception  
 PLOS ONE  
 Neuroimage  
 Neuroimage Clinical  
 Scientific Data  
 Scientific Reports  
 Somatosensory & Motor Research

### **Scientific Review Committees**

2017 Real-time functional imaging and neurofeedback conference (rtFIN). Nara, Japan  
 Nov 29 - Dec1. [http://rtfin2017.atr.jp/?page\\_id=885](http://rtfin2017.atr.jp/?page_id=885)



### **Awards, Fellowships, and Recognitions**

- 2016 **Brain & Behaviour Research Foundation, NARSAD** Young Investigator Grant
- 2015 Member of the Mexican National System of Researchers
- 2014 Cum Laude graduation Biomedical Sciences Doctoral Program, Universidad Nacional Autónoma de México
- 2008 Cum Laude Alβan Scholarship programme

### **Grants**

- 2017-2019 2016 **NARSAD** Young Investigator Grant ID 24853
- 2014-2015 Conacyt Posdoctoral scholarship programme
- 2010-2014 Conacyt Doctoral scholarship programme
- 2013 Beca-Mixta Conacyt para estancia en el extranjero
- 2006-2008 Alβan Scholarship programme