

PROFILE

Full name: **CONDE RUIZ, Virginia**

Nationality: **Spanish (Born in Seville)**

DOB: **21.09.1985**

Address: **Danish Research Centre for Magnetic Resonance
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EDUCATION

- **Doctor rer. med. (Biomedicine) degree** by the University of Leipzig with a final grade of *summa cum laude* (19.11.2013). Dissertation written at the Max Planck Institute for Human Cognitive and Brain Sciences, Department of Neurology (Leipzig, Germany).
- Five-year degree in **Psychology**, University of Seville (Seville, Spain), 2003-2009.
- **Erasmus exchange** at University of Utrecht, Faculty of Social Sciences and Liberal Arts (Utrecht, The Netherlands). First semester 2008-2009.

PROFESSIONAL CAREER

August 2013 – at present

Post-doctoral position at the **Danish Research Centre for Magnetic Resonance (DRCMR)**, Hvidovre Hospital, Copenhagen (Denmark). Supervisor: Prof. Hartwig R. Siebner

Part of the team project “*Alterations in the Brain’s connectome in patients recovering from severe Traumatic Brain Injury*” (in collaboration with the Research Unit on Brain Injury Rehabilitation (RUBRIC) of Glostrup Hospital, Copenhagen, Denmark).

Individual grant holder of the project “*Identifying neurobiological factors that determine the emergence of late long-term potentiation-like plasticity after non-invasive brain stimulation of the human motor cortex*” (Danish Council for Independent Research, Medical Sciences, September 2014).

October 2009 – July 2013

Doctoral student at the Max Planck Institute for Human Cognitive and Brain Sciences, Department of Neurology (Leipzig, Germany). Thesis topic: “*The role of network interactions in timing-dependent plasticity within the human motor cortex induced by paired associative stimulation*” (published online at http://ul.gucosa.de/recherche/frontdoor/cache.off?tx_slubopus4frontend%5Bid%5D=12)

[977](#)). Supervised by Patrick Ragert, PhD and directed by Prof. Dr. med. Arno Villringer. Reviewed by Prof. Dr. med. Joseph Classen and Prof. Dr. med. Michael Nitsche.

[April 2009 – September 2009](#)

Predocctoral researcher (six-month predocctoral grant “Fundación Reina Mercedes”) in the field of **Movements Disorders and Transcranial Magnetic Stimulation**, group of Dr. Pablo Mir. IBiS (Biomedicine Institute of Seville). *Neurology and Clinical Neurophysiology Unit (Motor Disorders), University Hospital “Virgen del Rocío”, Seville.*

[September 2007 – August 2008](#)

Final-year project of Psychology (Full-year Practicum) in Psychophysiological Research. Research on Parkinson's Disease with **Transcranial Magnetic Stimulation**. *Neurology and Clinical Neurophysiology Unit (Motor Disorders), University Hospital “Virgen del Rocío”, Seville.* Supervised by Dr. Pablo Mir.

Internships: Internship of Neuropsychology (2 months, 2006), Neurology unit University Hospital “Virgen Macarena”, Seville. **Student Intern (10 months, 2006-2007), Personality, Evaluation and Psychological Treatment** Department (Univ. Seville). **Student Intern (10 months, 2005-2006), Physiological Psychology Research Group** (University of Seville), Experimental Psychology Department (Univ. Seville).

PUBLICATIONS

H-index as of 11/05/2016 = 8 (Scopus)

[In preparation](#)

Conde, V., Hoff, M., Steele, C., Villringer, A. & Ragert, P. *Functional changes in primary motor cortex after multimodal associative motor learning.*

Conde, V., Akopian, I., Tomasevic, L., Stanek, K., Bergmann, TO., Thielscher, A., Siebner, H. *The influence of somatosensory and auditory components in TMS-evoked potentials: a TMS-EEG sham study.*

[2014](#)

Vollmann, H., Ragert, P., **Conde, V.**, Villringer, A., Classen, J., Witte, O.W., Steele, C.J. (2014). *Instrument specific use-dependent plasticity shapes the anatomical properties of the corpus callosum: a comparison between musicians and non-musicians.* Front Behav Neurosci. 2014 Jul 16;8:245. doi: 10.3389/fnbeh.2014.00245.

[2013](#)

Conde, V., Vollmann, H., Taubert, M., Sehm, B., Cohen, L., Villringer, A. & Ragert, P. (2013). *Reversed timing-dependent associative plasticity in the human brain through interhemispheric interactions.* J Neurophysiol. 2013 May;109(9):2260-2271.

Sehm, B., Taubert, M., **Conde, V.**, Weise, D., Classen, J., Dukart, J., Draganski, B., Villringer & A., Ragert, P. *Structural brain plasticity in Parkinson's disease induced by balance training.* Neurobiol Aging (Article in Press). doi: 10.1016/j.neurobiolaging.2013.06.021.

Kaminski, E., Hoff, M., Sehm, B., Taubert, M., **Conde, V.**, Steele, C.J., Villringer, A. &

Ragert, P. *Effect of transcranial direct current stimulation (tDCS) during complex whole body motor skill learning*. Neuroscience Letters (Article in Press). doi: 10.1016/j.neulet.2013.07.034.

2012

Conde, V., Palomar, F.J., Lama, M.J., Martínez, R., Carrillo, F., Pintado, E. & Mir, P. (2012). *Abnormal GABA-mediated and cerebellar inhibition in women with the fragile X premutation*. J Neurophysiol. 2013 Mar;109(5):1315-22. Epub 2012 Dec 12.

Conde, V., Vollmann, H., Sehm, B., Taubert, M., Villringer, A., & Ragert, P. (2012). *Cortical thickness in primary sensorimotor cortex influences the effectiveness of paired associative stimulation*. Neuroimage. 2012 60(2), 864-870.

Conde, V., Altenmüller, E., Villringer, A. & Ragert, P. (2012). *Task-irrelevant auditory feedback facilitates motor performance in musicians*. Front Psychol. 2012;3:146.

Vollmann, H., **Conde, V.**, Sewerin, S., Taubert, M., Sehm, B., Witte, OW., Villringer, A. & Ragert P. (2012). *Anodal transcranial direct current stimulation (tDCS) over supplementary motor area (SMA) but not pre-SMA promotes short-term visuomotor learning*. Brain Stimul. 2013 Mar;6(2):101-7. Epub 2012 May 7.

Palomar, F.J., **Conde, V.**, Carrillo, F., Fernandez-Del-Olmo, M., Koch, G., & Mir, P. (2012). *Parieto-motor functional connectivity is impaired in Parkinson's disease*. Brain Stimul. 2013 Mar;6(2):147-54. Epub 2012 Apr 15.

Carrilo, F., Palomar, F.J., **Conde, V.**, Diaz-Corrales, F.J., Porcacchia, P., Fernandez-del-Olmo, M., Koch, G. & Mir, P. (2013). *Study of cerebello-thalamocortical pathway by transcranial magnetic stimulation in Parkinson's disease*. Brain Stimul (Article in Press). doi: 10.1016/j.brs.2012.12.004.

Sehm B, Hoff M, Gundlach C, Taubert M, **Conde V**, Villringer A, Ragert P. (2012). *A novel ring electrode setup for the recording of somatosensory evoked potentials during transcranial direct current stimulation (tDCS)*. J Neurosci Methods. 2013 Jan;212(2):234-6. Epub 2012 Oct 26.

Gryga, M., Taubert, M., Dukart, J., Vollmann, H., **Conde, V.**, Sehm, B., Villringer, A. & Ragert, P. (2012). *Bidirectional gray matter changes after complex motor skill learning*. Front Syst Neurosci. 2012;6:37.

Sehm, B., Schaefer, A., Kipping, J., Margulies, D., **Conde, V.**, Taubert, M., Villringer, A. & Ragert, P. (2012). *Dynamic modulation of intrinsic functional connectivity by transcranial direct current stimulation*. J Neurophysiol. 2012 Dec;108(12):3253-63. Epub 2012 Sep 19.

2011

Sewerin, S., Taubert, M., Vollmann, H., **Conde, V.**, Villringer, A., & Ragert, P. (2011). *Enhancing the effect to repetitive I-wave paired-pulse TMS (iTMS) by adjusting for the individual I-wave periodicity*. BMC Neuroscience. 2011 May;12:45

COLLABORATIONS

[Dr. Leonardo G. Cohen \(2011-2013\)](#)

Chief at the Human Cortical Physiology and Stroke Neurorehabilitation Section. National Institute of Neurological Disorders and Stroke, National Institutes of Health (NIH, Bethesda).

Publication: *Reversed timing-dependent associative plasticity in the human brain through interhemispheric interactions (J Neurophysiol, 2013)*

Prof. Dr. med. Eckart Altenmüller (2010-2012)

Head of the Institute for Music Physiology and Musician's Medicine (IMMM Hannover).

Publication: *Task-irrelevant auditory feedback facilitates motor performance in musicians (Front Psychol, 2012)*.

Prof. Dr. Marcello Massimini (2013-present)

Head of the Human Physiology research group, Department of Biomedical and Clinical Sciences "Luigi Sacco", University of Milan, Italy. Collaboration visits on November 2013 (2 weeks) and November 2015 (2 weeks).

Project: Alterations in the Brain's Connectome in patients recovering from severe Traumatic Brain Injury.

Dr. Til Ole Bergmann (2013-present)

Lecturer at Christian-Albrechts-Universität zu Kiel, Institut für Psychologie, Kiel, Germany.

Projects: (1) Alterations in the Brain's Connectome in patients recovering from severe Traumatic Brain Injury, (2) The effects of a realistic somato-auditory sham condition on the evoked EEG responses to Transcranial Magnetic Stimulation, (3) Identifying neurobiological factors that determine the emergence of late long-term potentiation-like plasticity after non-invasive brain stimulation of the human motor cortex.

Prof. Joseph Classen (2015-present)

Project: Identifying neurobiological factors that determine the emergence of late long-term potentiation-like plasticity after non-invasive brain stimulation of the human motor cortex.

INVITED TALKS

- Invited guest at the *Contact Lab Meeting* (<http://contact.drcmr.dk/events>) by Prof. **Hartwig R. Siebner**, 21 February 2013.
- Invited guest at the *Neurology Lab Meeting* (<http://neurologie.uniklinikum-leipzig.de/>) by Prof. Dr. med. **Joseph Classen**, 28 March 2012.
- Talk at the Institute Colloquium of the Max Planck Institute for Human Cognitive and Brain Sciences (*Inducing timing-dependent plasticity in the living human brain with non-invasive brain stimulation*. <http://www.cbs.mpg.de/events/calendar/292>).

PRESENTATIONS

2015

Conde, V., Akopian, I., Tomasevic, L., Bergmann, TO., Siebner, H. (2015). *The effects of a somato-auditory sham condition on the evoked EEG responses to TMS*. Poster presented at the 3rd TMS-EEG Science Factory, Aalto University, Finland

2014

Conde, V., Hoff, M., Steele, C., Villringer, A. & Ragert, P. (2014). *From typing to playing piano: the effect of auditory feedback in functional changes of the primary motor cortex after multimodal associative motor learning*. Poster presented at the 2nd TMS-EEG Science Factory, Aalto University, Finland.

2012

Conde, V., Vollmann, H., Taubert, M., Sehm, B., Villringer, A., & Ragert, P. (2012). *Reversed timing-dependent plasticity in the living human brain*. Poster presented at the 8th FENS Forum of Neuroscience, Barcelona, Spain.

Taubert, M., Sehm, B., Trampel, R., **Conde, V.**, Weiss, M., Ivanov, D., Fritz, T., Turner, R., Villringer, A., & Ragert, P. (2012). *Training-induced structural changes after 45 minutes of balance training: A 7 Tesla MRI study*. Poster presented at OHBM 18th Annual Meeting, Beijing, China.

2011

Conde, V., Vollmann, H., Taubert, M., Sewerin, S., Sehm, B., Villringer, A. & Ragert, P. (2011). *Interhemispheric inhibitory effects of ipsilateral paired associative stimulation*. 41th Annual Meeting of the Society for Neuroscience, Washington, USA.

Ragert, P., Vollmann, H., Sehm, B., Taubert, M., Villringer, A. & **Conde, V.** (2011). *Cortical thickness in sensorimotor cortex predicts the outcome of non-invasive brain stimulation*. 41th Annual Meeting of the Society of Neuroscience (SfN), Washington, USA.

Vollmann, H., **Conde, V.**, Sehm, B., Villringer, A. & Ragert, P. (2011). *Anodal tDCS over supplementary motor area (SMA) enhances visuomotor learning*. 55th Annual Meeting of Society for Clinical Neurophysiology and Functional Imaging, Münster, Germany.

2010

Porcacchia, P., Palomar, FJ., **Conde, V.**, Carrillo, F., Diaz-Corrales, FJ., Koch, G. & Mir, P. (2010). *Cerebellar inhibition by transcranial magnetic stimulation in primary dystonia*. 14th International Congress of Parkinson's disease and Movement Disorders. Buenos Aires. Movement disorders 2010; 25(S2):S244

Carrillo, F., Palomar, FJ., **Conde, V.**, Porcacchia, P., Diaz-Corrales, F., Koch, G. & Mir, P. (2010). *Cerebellar theta burst stimulation in Parkinson's disease*. 14th International Congress of Parkinson's disease and Movement Disorders. Buenos Aires. Movement disorders 2010; 25(S2):S338

Palomar, FJ., **Conde, V.**, Carrillo, F., Fernandez-del-Olmo, M., Koch, G. & Mir, P. (2010). *Altered parieto-motor functional connectivity in Parkinson's disease*. 14th International

LANGUAGES

Spanish: native

English:

- Fluent conversation and writing skills.
- Three-week English course at Select English School London. Advance level. English studies grant, Education and Science Ministry of Spain (M.E.C.) year 2007.
- Four-week English course at the Staffordshire University, Stoke-on-Trent. English studies grant, Education and Science Ministry of Spain (M.E.C.) year 2003.

German:

- B1 level (Intermediate; entry-level Prüfung in Volkshochschule Leipzig).

Danish:

- Basic-level conversation and writing skills.

INFORMATIC SKILLS

- Microsoft Office pack, StarOffice pack, Keynote, EndNote – high level
- Statistical software (SPSS, GSEQ, Excel) – high level
- Basic knowledge of MATLAB & Python programming languages – medium level
- Operative systems (Windows, Mac OS X, Linux) – high level
- Specialized neurophysiology software (Signal, Spike, NuCursor), neuronavigation software (Brainsight 1, Brainsight 2, Localite) and neuroimaging analysis software (SPM – structural MRI toolboxes) – high level
- Specialized EEG recording and analyzing software (BrainVision Recorder and BrainVision Analyzer, BrainProducts).

ADDITIONAL INFORMATION

Teaching experience

- Teacher of the hands-on workshop “Transcranial Magnetic Stimulation” part of the *3rd International IMPRS Summer School* held at the Max Planck Institute for Human Cognitive and Brain Sciences (Leipzig, Germany). Wepage: <http://imprs-neurocom.mpg.de/summerschool/summerschool2013/index.html>
- Organizer and teacher of the hands-on workshop “*Concurrent Transcranial Magnetic Stimulation and Electroencephalography*” (alongside Dr. Estelle Raffin) part of the 4.5 ECTS PhD course “Multimodal brain imaging: interfacing neuroimaging and computational methods to map human brain structure and function” held at the DRCMR, Hvidovre Hospital (Denmark). Wepage: <https://phdkursus.sund.ku.dk/frontPlanner/DetailKursus.aspx?id=96294>
- Part of the organization team for the 1st, 2nd, and 3rd “*Transcranial Magnetic Stimulation*” course held at the DRCMR, Hvidovre Hospital (Copenhagen, Denmark). Lecturer and teacher of hands-on sessions.

Member of the researchers' social and networking site "Research Gate"
https://www.researchgate.net/profile/Virginia_Conde/?ev=hdr_xprf

Scientific writing and science divulgation at <http://www.neurocosmic.blogspot.com>

Ad-hoc reviewer for NeuroImage, assistant reviewer for Journal of Neuroscience, Brain Stimulation and Journal of Physiology.