

## CURRICULUM VITAE

Vanda Sofia Rocha Faria

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### CONTACT INFORMATION

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### PERSONAL INFORMATION

Date of Birth: 12/12/1980  
Place of Birth: Lisbon  
Citizenship: Portugal, Sweden  
Marital Status: Single

### EDUCATION

#### Undergraduate, graduate and post graduate education

- 1999 (Sep) - 2004 (Sep)     *Clinical Psychology program* with Honors at Universidade Lusófona de Humanidades e Tecnologias (ULHT), Lisbon, Portugal.
- 2004 (Jan-Jun)             *Master thesis*, Psychology department, Uppsala University, Uppsala, Sweden. Thesis: Neurofunctional changes associated with the placebo effect in social anxiety disorder. *Supervisor: Professor Tomas Furmark; Examiner: Professor Mats Fredrikson.*
- 2003 (Sep) – 2004 (Oct)     *Clinical Internship* at the Main Military Hospital in Lisbon, Portugal. Focus: Anxiety disorders. *Clinical Supervision: Plastic surgeon Joaquim Reis de Jesus and Psychologist Isaura Lourenco.*
- 2006 (Jan) - 2012 (Nov)     *Ph.D.*, Psychology, Uppsala University, Uppsala, Sweden. Dissertation: “Mind really does matter: The Neurobiology of Placebo-induced Anxiety Relief in Social Anxiety Disorder”. *Supervisor: Professor Tomas Furmark and Professor Mats Fredrikson. Opponent: Predrag Petrovic.*
- 2012 (Nov) - 2013 (June)     *Post-Doctoral Research Fellow* at Uppsala University, Uppsala, Sweden. Focus: The role of expectancies in the treatment of anxiety disorders with selective serotonin reuptake inhibitors (SSRI): A neurobiological approach.

- 2013 (Sept) – 2016 (April) **Post-Doctoral Research Fellow** at Boston Children’s Hospital, Harvard Medical School, Boston, MA, USA, and Uppsala University, Uppsala, Sweden. Focus: Placebo effect in a paediatric population.  
**Principal Investigator** and creator of the Program for Pediatric Placebo at Boston Children’s Hospital – Harvard Medical School.  
**Current collaborations:** Poornima Kumar at McLean Hospital, Harvard Medical School, Boston, USA; Thomas Hummel at Universitätsklinikum Carl Gustav Carus, Dresden, Germany.  
**Member of the** Program in Placebo Studies & Therapeutic Encounter (PiPS) at Beth Israel Deaconess Medical Center - Harvard Medical School, Boston, USA.
- 2016 (May) – Present Maternity leave (2 children).

**Additional relevant courses/certifications**

- 2007 (Sep, 24-27<sup>th</sup>) Autumn School: *Cognitive Neuroscience*, Oxford Centre for Cognitive Neuroscience. University of Oxford, Oxford, UK.
- 2008 (Jul, 28<sup>th</sup> to Aug, 1<sup>st</sup>) Summer School: *Progress in Neurology and Health Sciences*. San Lorenzo de El Escorial, Madrid, Spain.
- 2008 (Nov, 1<sup>st</sup>-11<sup>th</sup>) *Neurogenetics*. Karolinska Institutet, Stockholm, Sweden.
- 2009 (Mar, 30<sup>th</sup>-31<sup>st</sup>) *Exploring White Matter with Diffusion-Tensor Imaging*. Bergen fMRI group, Bergen University, Bergen, Norway.
- 2009 (May, 7-9<sup>th</sup>) *Statistical Parametric Mapping*. National Hospital for Neurology and Neurosurgery/Institute of Neurology, University College London, London, UK.
- 2011 (Aug, 30<sup>th</sup>-Sep, 2<sup>nd</sup>) *Personalities in Animals and Humans: The Importance of Studying Individual Differences*. Department of Pharmaceutical Biosciences, Uppsala University, Uppsala, Sweden.
- 2012 (May, 24-26<sup>th</sup>) *Clinical fMRI and DTI - Theory and Practice*. Department of Radiology, Uppsala University, Uppsala, Sweden.
- 2013 (Nov, 4-6<sup>th</sup>) *FreeSurfer course*. Athinoula A. Martinos Center for Biomedical Imaging, Charlstown, Boston, MA, USA.

## TEACHING

- 2004 (Oct) – 2005 (Jul) Full time teaching (Approx. 900h) at Universidade Lusófona de Humanidades e Tecnologias (ULHT), Lisbon, Portugal. *Courses:* Psychological intervention in Health Organizations, Personality theories, and Supervision of master thesis.
- 2005 (Oct) - 2006 (Feb) Full time teaching (Approx. 200h) at Universidade Lusófona de Humanidades e Tecnologias (ULHT), Lisbon, Portugal. *Courses:* Psychological intervention in Health Organizations.
- 2007 (May - Jul) Full time teaching (Approx. 400h) at Universidade Lusófona de Humanidades e Tecnologias (ULHT), Lisbon, Portugal. *Courses:* Clinical and Health Psychology, and Health Psychology.
- 2007 (Nov) – 2008 (Jan) Full time teaching (Approx. 80h) at Universidade Lusófona de Humanidades e Tecnologias (ULHT), Lisbon, Portugal. *Courses:* Clinical and Health Psychology.
- 2011 - 2013 Part time teaching (Approx. 30h each semester) at Uppsala University, Department of Psychology, Uppsala, Sweden. *Course:* Cognition and Learning, and Sex, Gender and Ethnicity.
- 2015 (Sep) - 2016 (May) Supervising Master thesis for the Psychology program (Approx 2 h per week)

## PUBLICATIONS

### Peer-reviewed journals

1. **Faria, V.**, Fredrikson, M., & Furmark, T. (2008). Imaging the placebo response: A neurofunctional review. *European Neuropsychopharmacology*, 18, 473-485.
2. Laukka, P., Linnman, C., Åhs, F., Pissioti, A., Frans, Ö., **Faria, V.**, Michelgård, Å., Appel, L., Fredrikson, M., & Furmark, T. (2008). In a nervous voice: Acoustic analysis and perception of anxiety in social phobics' speech. *Journal of Nonverbal Behavior*, 32, 195-214.
3. Furmark, T., Appel, L., Henningson, S., Åhs, F., **Faria, V.**, Linnman, C., Pissioti, A., Frans, Ö., Bani, M., Bettica, P., Jacobsson, E., Wahlstedt, K., Orelund, L., Långström, B., Eriksson, E., & Fredrikson, M. (2008). A link between serotonin-related gene polymorphisms, amygdala activity and placebo-induced relief from social anxiety. *Journal of Neuroscience*, 28, 13066.

4. Furmark, T., Henningsson, S., Appel, L., Åhs, F., Linnman, C., Pissioti, A., **Faria, V.**, Orelund, L., Bani, M., Merlo Pich, E., Eriksson, E., & Fredrikson, M. (2009). Genotype over diagnosis in amygdala responsiveness: Affective processing in social anxiety disorder. *Journal of Psychiatry and Neuroscience*, 34, 30-40.
5. **Faria, V.**, Appel, L., Ahs, F., Linnman, C., Pissioti, A., Frans, O., Bani, M., Bettica, P., Pich, E. M., Jacobsson, E., Wahlstedt, K., Fredrikson, M., & Furmark, T. (2012). Amygdala subregions tied to SSRI and placebo response in patients with social anxiety disorder. *Neuropsychopharmacology*, 37, 2222-2232.
6. **Faria, V.**, Åhs, F., Linnman, C., Appel, L., Bani, M., Bettica, P., Pich, E. M., Fredrikson, M., & Furmark, T (2014). Amygdala-frontal coupling characterizing SSRI and placebo response in social anxiety disorder. *International Journal of Neuropsychopharmacology*, 26, 1-9.
7. Bergman, O., Åhs, F., Furmark, T., Appel, L., Linnman, C., **Faria, V.**, Bani, M., Bettica, P., Pich, E. M., Henningsson, S., Stephen, B., Ferrell, R., Nikolova, Y., Hariri, A., Fredrikson, M., Westberg, L., & Eriksson, E (2014). Amygdala function is associated with a dopamine transported gene polymorphism. *Translational Psychiatry*, 4:e420.
8. **Faria, V.**, Linnman, C., Lebel, A., Becerra, L., Borsook, D. (2014). Harnessing the placebo effect in pediatric migraine clinic. *The Journal of Pediatrics*, 165(4): 659-65).
9. Frick, A., Engman, J., Alaie, I., Björkstrand, J., **Faria, V.**, Gingnell, M., Wallenquist, U., Ågren, T., Wahlstedt, K., Larsson, EM., Morell, A., Fredrikson, M., Furmark, T. (2014). Enlargement of visual processing regions in social anxiety disorder is related to symptom severity. *Neuroscience Letters*, 583: 114-119.
10. Frick, A., Åhs, F., Engman, J., Jonasson, M., Alaie, I., Björkstrand, J., Frans, Ö., **Faria, V.**, Linnman, C., Appel, L., Wahlstedt, K., Lubberink, M., Fredrikson, M., Furmark, T (2015). Serotonin synthesis and reuptake in social anxiety disorder: a positron emission tomography study with [<sup>11</sup>C]5-HTP and [<sup>11</sup>C]DASB. *JAMA Psychiatry*, 72: 794-802.
11. **Faria, V.**, Erpelding, N., Lebel, A., Johnson, A., Wolff, R., Fair, D., Burstein, R., Becerra, L., and Borsook, D. (2015). The Migraine Brain in Transition: Girls versus Boys. *Pain*, 156: 2212-21.
12. Gingnell, M., Frick, A., Engman, J., Alaie, I., Björkstrand, J., **Faria, V.**, Carbring, P., Andersson, G., Reis, M., Larsson, EM., Wahlstedt, K., Fredrikson, M., Furmark, T. (2016). Escitalopram potentiates response to cognitive behavioral therapy for social anxiety disorder – A randomized controlled trial with fMRI. *The British Journal of Psychiatry*, 209: 229-235.
13. Borsook, D., Linnman, C., **Faria, V.**, Strassman, A., Becerra, L., Elman, I. (2016). Reward deficiency and anti-reward in pain chronification. *Neuroscience & Behavioral Reviews*, 68: 282-297.

14. **Faria, V.**, Kossowsky, J., Petkov, M., Kirsh, I., Kaptchuck, T., Lebel, A., Borsook, D. (2017). Parental attitudes about placebo use in children. *The Journal of Pediatrics*, 181: 272-278.
15. **Faria, V.**, Gingnell, M., Hoppe, JM., Hjorth, O., Alaie, I., Frick, A., Hultberg, S., Wahlstedt, K., Engman, J., Månsson, KNT., Carbring, P., Andersson, G., Resi, M., Larsson, EM., Fredrikson, M., Furmark, T (2017). Do you believe it? Verbal suggestions influence the clinical and neural effects of escitalopram in Social Anxiety disorder: A randomized trial. *EBioMedicine*, 24: 179-188.

### **Book chapters**

1. **Faria, V.**, Fredrikson M., & Furmark, T. (2010). Revealing the biological underpinnings of the placebo response. In: A. M. Columbus (Ed.). *Advances in Psychology Research, Vol. 69*. (pp. 85-104). New York: Nova Science.
2. Fredrikson, M., & **Faria, V.** (2013). Neuroimaging in Anxiety disorders. In: D. Baldwin & B. Leonard (Ed.). *Modern Trends in Pharmacopsychiatry: Anxiety Disorders, Vol. 29*. (pp. 47-67). Basel: Karger.
3. Fredrikson, M., **Faria, V.**, & Furmark, T. (2014). Neuroimaging of neurotransmission in anxiety disorders: PET and SPECT in anxiety. In: A. van Waarde., J. A. den Boer., R. A. J. O. Dierckx., A. Otte., & E. F. J. de Vries (Ed.). *PET and SPECT in Psychiatry, Vol. 1* (pp. 349-370). Berlin-Heidelberg-New York: Springer Verlag.

### **Manuscripts in preparation**

1. **Faria, V.**, Frick, A., Wager, T., & Fredrikson, M. A meta-analysis of brain imaging symptom provocation studies in anxiety disorders.
2. **Faria, V.**, C., Lebel, A., Elman, I., Becerra, L., Borsook, D. Placebo analgesia – From childhood to adulthood.

### **Ad hoc referee for the following international peer-reviewed journals:**

Journal of Psychiatry and Neuroscience  
Psychology of Consciousness: Theory, Research, and Practice  
International Journal of Psychophysiology  
The Journal of Psychosomatic Research

The International Journal of Neuropsychopharmacology  
Journal of Pain Research

## CONFERENCE PRESENTATIONS

### Posters

1. Linnman, C., **Faria, V.**, Åhs, F., Michelgård, Å, Pissioti, A., Björkvi, S., Zancan, S., Merlo Pich, E., Bani, M., Fredrikson, M., Appel, L., & Furmark, T. (2005). Neurofunctional placebo response in social anxiety disorder during public speech. *Biological Psychiatry*, 57, Suppl. S Apr 15, 170S-171S 621.
2. **Faria, V.**, Rosman, J. B., Henningsson, S., Marschner, A., Åhs, F., Linnman, C., Pissioti, A., Appel, L., Eriksson, E., Fredrikson, M., & Furmark, T. (2006). Serotonin-1A receptor allelic variation and brain endophenotypes: A PET study of social phobia. *Biological Psychiatry*, 59, Suppl. S Apr 15, 255S-255S 833.
3. Ågren, T., Bjurström, A., Åhs, F., Furmark, T., Linnman, C., Pissioti, A., Frans, Ö., **Faria, V.**, Gustafsson, M., Appel, L., & Fredrikson, M. (2007). Effective brain connectivity in social anxiety disorder - A Bayesian approach. *Biological Psychiatry*, 61, Suppl. S Apr 15, 47S-47S 145.
4. **Faria, V.**, Åhs, F., Linnman, C., Henningsson, S., Fredrikson, M., Appel, L., Bani, M., Pich, E.M., Eriksson, E., & Furmark, T. (2008). Serotonin transporter gene polymorphism and amygdala habituation during a stressful public speaking task: A PET study of social phobia. *Biological Psychiatry*, 63, Suppl. S Apr 1, 171S-172S 538.
5. Furmark, T., Henningsson, S., Appel, L., Åhs, F., Linnman, C., Pissioti, A., **Faria, V.**, Orelund, L., Bani, M., Merlo Pich, E., Eriksson, E., & Fredrikson, M. (2008). Serotonin-related genotypes but not diagnosis of social anxiety disorder predict amygdala responsiveness to angry faces. *Biological Psychiatry*, 63, Suppl. S Apr 1, 173S-173S 543.
6. Linnman, C., Åhs, F., **Faria, V.**, Michelgård, Å., Appel, L., Bani, M., Merlo Pich, E., Wolf, O. T., Fredrikson, M., & Furmark, T. (2008). A differential cortisol response to stress after treatment of social phobia with a neurokinin-1 receptor antagonist or SSRIs. *Biological Psychiatry*, 63, Suppl. S Apr 1, 177S-177S 553.
7. Gingnell, M., Åhs, F., Appel, L., Linnman, C., **Faria, V.**, Fredrikson, M., & Furmark, T. (2009). Habituation of regional cerebral blood flow to repeated symptom provocation in individuals with generalized and non-generalized social phobia. *Biological Psychiatry*, 65, Suppl. S Apr 15, 38S-38S 124.

8. **Faria, V.**, Agren, T., Bah Rosman, J., Henningsson, S., Appel, L., Ahs, F., Linnman, C., Orelund, L., Bani, M., Pich, E. M. Eriksson, E., Fredrikson, M., & Furmark, T. (2009). Influence of the COMT Val158Met polymorphism on amygdala reactivity in social anxiety disorder. *Biological Psychiatry*, 65, Suppl. S Apr 15, 126S-126S 420.
9. **Faria, V.**, Ahs, F., Linnman, C., Pissiota, A., Palmquist Michelgard, A., Zancan S., Bani, M., Pich E. M., Appel, L., Fredrikson, M., & Furmark, T. (2010). Pretreatment Anterior Cingulate Activity Predicts Amygdala Attenuation in Social Phobic Placebo Responders. *Biological Psychiatry*, 67, Suppl. S, 34S-34S 109.
10. Agren, T., **Faria, V.**, Engman, J., Furmark, T., Gustafsson, M., & Fredrikson, M. (2011). Effective Connectivity of Fear Circuitry and Emotion Regulation in Specific Phobia. *Biological Psychiatry* 69, Suppl. S., 68S-68S 234.
11. Engman, J., **Faria, V.**, Appel, L., Ahs, F., Linnman, C., Pissiota, A., Frans, O., Bani, M., Bettica, P., Pich, EM., Jacobsson, E., Wahlstedt, K., Fredrikson, M., & Furmark, T. (2011). Neural Correlates of Anxiety States in Patients with Social Anxiety Disorder. *Biological Psychiatry* 69, Suppl. S., 70S-70S 242.
12. **Faria, V.**, Appel, L., Ahs, F., Linnman, C., Pissiota, A., Frans, O., Bani, M., Bettica, P., Pich, EM., Jacobsson, E., Wahlstedt, K., Fredrikson, M., & Furmark, T. (2011). Differences in Amygdala Responsivity Between Responders and Nonresponders to SSRIs in Patients with Social Anxiety Disorder. *Biological Psychiatry* 69, Suppl. S., 70S-71S 243.
13. Fredrikson, M., **Faria, V.**, Agren, T., Engman, J., & Furmark, T. (2011). Meta-Analytical Evidence for Segregating and Integrating Brain Activation to Symptom Provocation in Social Anxiety Disorder, Specific Phobia and Post Traumatic Stress Disorder. *Biological Psychiatry* 69, Suppl. S., 71S-72S 246.
14. Fredrikson, M., **Faria, V.**, Frick, A., Ågren, T., Engman, J., Furmark, T. Wager, T., (2011, May 12-14). *Brain imaging and symptom provocation in phobia and Post Traumatic Stress Disorder*. Poster presented at Society of Biological Psychiatry Annual Meeting, San Francisco, California, USA.
15. **Faria, V.**, Åhs, F., Linnman, C., Appel, L., Pissiota, A., Bani, M., Bettica, P., Fredrikson, M., & Furmark, T. (2012, June 11-14). *Subregional Amygdala Responsivity in Responders and Nonresponders to SSRIs in Patients with Social Anxiety Disorder*. Poster presented at 18th Annual Meeting of the Organization for Human Brain Mapping, Beijing, China.
16. Ågren, T., Engman, J., Frick, A., **Faria, V.**, Furmark, T., & Fredrikson, M. (2012, June 11-14). *No link between amygdala reactivity to emotional faces and fear conditioning*. Poster presented at 18th Annual Meeting of the Organization for Human Brain Mapping, Beijing, China.

17. Engman, J., Frick, A., Wallenquist, U., **Faria, V.**, Ågren, T., Larsson, E.-M., Fredrikson, M., & Furmark, T. (2012, June 11-14). *Neural processing of emotional faces in social anxiety disorder*. Poster presented at 18th Annual Meeting of the Organization for Human Brain Mapping, Beijing, China.
18. Engman, J., **Faria, V.**, Appel, L., Åhs, F., Linnman, C., Bani, M., Wahlstedt, K., Fredrikson, M., & Furmark, T. (2012, June 3-7). *Amygdala response to SSRIs in social anxiety disorder*. Poster presented at 28th CINP Congress, Stockholm, Sweden.
19. Engman, J., Frick, A., Wallenquist, U., **Faria, V.**, Ågren, T., Larsson, E.-M., Fredrikson, M., & Furmark, T. (2012, June 11-14). Neural processing of emotional faces in social anxiety disorder. Poster presented at 18th Annual Meeting of the Organization for Human Brain Mapping, Beijing, China.
20. Engman, J., Frick, A., Alaie, I., Björkstrand, J., Ågren, T., **Faria, V.**, Gingnell, M., Wallenquist, U., Wahlstedt, K., Larsson, E.-M., Morell, A., Fredrikson, M., & Furmark, T. (2013, May 16-18). Altered Amygdala but not Default Mode Network Functional Connectivity In Social Anxiety Disorder. Poster presented at the 68th Society of Biological Psychiatry Annual Meeting, San Francisco, California, USA.
21. Frick, A., Engman, J., Alaie, I., Björkstrand, J., **Faria, V.**, Gingnell, M., Wallenquist, U., Wahlstedt, K., Fredrikson, M., & Furmark, T. (2013, May 16-18). Regional Gray Matter Volume of the Lingual Gyrus is Related to Symptom Severity in Patients with Social Anxiety Disorder. Poster presented at the 68th Society of Biological Psychiatry Annual Meeting, San Francisco, California, USA.
22. **Faria, V.**, Åhs, F., Appel, L., Linnman, C., Bani, M., Bettica, P., Merlo-Pich, E., Fredrikson, M., & Furmark, T (2013, May 16-18). Amygdala-prefrontal coupling tied to SSRI and placebo response in patients with social anxiety disorder. Poster presented at the 68th Society of Biological Psychiatry Annual Meeting, San Francisco, California, USA.
23. Alaie, I., Frick, A., Engman, J., Björkstrand, J., **Faria, V.**, Gingnell, M., Wallenquist, U., Wahlstedt, K., Fredrikson, M., & Furmark, T. (2013, May 16-18). Symptom Improvement in Social Anxiety Disorder is Associated with Reduced Amygdala Reactivity to Emotional Faces. Poster presented at the 68th Society of Biological Psychiatry Annual Meeting, San Francisco, CA, USA.
24. **Faria, V.**, Åhs, F., Appel, L., Linnman, C., Bani, M., Bettica, P., Merlo-Pich, E., Fredrikson, M., & Furmark, T (2013, June 23-17). Amygdala-prefrontal coupling tied to SSRI and placebo response in patients with social anxiety disorder. Poster presented at the 11th World Congress of Biological Psychiatry (WFSBP), Kyoto, Japan.
25. **Faria, V.**, Erpelding, N., Lebel, A., Wolff, R., Johnson, A., Becerra, L., Borsook, L (2014, Oct 6-11). Sex-related regional gray matter differences in pediatric migraine. Poster presented at 15<sup>th</sup> World Congress on Pain (IASP), Buenos Aires, Argentina.



## **GRANTS**

2006-2009 **Foundation of Science and Technology from the Portuguese Ministry of Science, Technology and Higher Education** co-financed by the *European Social Funding*.

2013-2015 **The Ryochi Sasakawa Young Leaders Fellowship Fund (SYLFF)** - International Postdoc (Uppsala – Harvard).

2015-2018 **Swedish Research Council (VR)** - International Postdoc (Uppsala - Harvard).

## **REFERENCES**

Professor Tomas Furmark, Uppsala University, [tomas.furmark@psyk.uu.se](mailto:tomas.furmark@psyk.uu.se)

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Professor David Borsook, Harvard Medical School, [david.borsook@childrens.harvard.edu](mailto:david.borsook@childrens.harvard.edu)

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