

# Mohamed Ameen, M.Sc.

*“Curriculum Vitae”*

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## Personal Information:

**Date of Birth** : 04.07.1991

**Nationality** : Egyptian

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**Main areas of interest** : Cognitive Neuroscience, Sleep & Consciousness, Sensory processing during sleep, Brain Connectivity.

## Education:

**Sept 2014 – June 2016**: Joint Master in Neuroscience, faculty of Life sciences, University of Strasbourg, France: **“M.Sc. Neuroscience.”- Grade: A**

**Sept 2008 – May 2013** : Faculty of Pharmacy, Cairo University, Cairo, Egypt:  
**“B.Sc. Pharmaceutical Sciences.”- Cumulative Score: 81.4%**

## Research Experience:

**Since March 2017** : Laboratory for Sleep and Consciousness Research, University of Salzburg, Austria: **“Research Assistant”**  
(Current post)

### Auditory Processing during sleep:

- Acquisition, preprocessing and analysis of hdEEG.
- ERP, time-frequency and connectivity analysis of hdEEG.
- BrainVision analyzer for ECG data analysis.
- Wrote 2 grant proposals, in the process of writing a manuscript as a 1<sup>st</sup> author.

**March 2016 – July 2016** : Consciousness and Cognition Laboratory, Department of Experimental Psychology, University of Cambridge, UK:  
(Master thesis internship)  
**“Student Assistant.”**

### Phase and Power modulation of 40Hz oscillation following transcranial alternating current stimulation in different levels of consciousness:

- Preprocessing and spectral analysis of EEG data.
- Spectral and Connectivity analysis using EEGLab & Matlab.
- Worked on pilot data and managed to proceed with the project to a follow-up experiment.

**Sept 2015 – January 2016** : Advanced Brain Imaging group, University hospital Freiburg, Germany: “**Student Assistant**”

Structural and Functional Connectivity in the epileptic brain – A Diffusion Tensor Study:

- DTI data preprocessing and analysis.
- fMRI data analysis.
- Learned programming in Matlab.
- Identified structural lateralization changes in patients with epilepsy with important clinical relevance.

**Conference Talks and Posters:**

- Sept 2018** : Ameen, M., Heib, DPJ., Blume C., Del Guidice, R. & Schabus M.,(2018).  
(Poster) “**Information processing during sleep is linked to changes in sleep Microstructures**”. 24<sup>th</sup> Congress of the European Sleep Research Society (ESRS). *Basel, Switzerland.*
- July 2018** : Ameen, M., Heib, DPJ., Blume C., Del Guidice, R. & Schabus M.,(2018).  
(Poster) “**Auditory stimulation induces changes in sleep micro-structure**”. 2<sup>nd</sup> Salzburg Annual Mind and Brain Meeting (SAMBA) – *Salzburg, Austria.*
- June 2018** : Ameen, M., Heib, DPJ., Blume C., Del Guidice, R. & Schabus M.,(2018).  
(Poster) “**Auditory-induced changes in sleep microstructure and level of alertness**”. 22<sup>nd</sup> Meeting of the Association of the Scientific Study of Consciousness – (ASSC). *Krakow, Poland.*
- May 2018** : Ameen, M., Heib, DPJ., Blume C., Del Guidice, R. & Schabus, M.,(2018).  
(Poster) “**The effect of auditory stimulation on the density, duration and frequency of sleep spindles**”. 2<sup>nd</sup> International Conference on Sleep spindling and Related Phenomena. *Budapest, Hungary.*
- April 2018** : Ameen, M., Heib, DPJ., Blume C., Del Guidice, R. & Schabus, M.,(2018).  
(Poster) “**Auditory Stimulation Influences Sleep-related EEG activity**”. 27<sup>th</sup> Annual Meeting of the Austrian Sleep Research Association (ASRA). *Fuschl am See, Austria.*
- March 2017:** Ameen, M., Canales-Johnson, A., Roshchupkina, L. & Bekinschtein, T.,(2017).  
(Talk) “**Power and Phase-connectivity after transcranial Alternating Current Stimulation (tACS) in different states of Consciousness**”. 3<sup>rd</sup> Symposium on Sleep Consciousness and Cognition. *Kaprun, Austria.*

## **Grants and Awards:**

**February 2017** : Meetings and Courses Fellowship for early career researchers – European Sleep Research Society (ESRS).

**June 2016** : Bourse Boussole Mobility Grant – La Région Grand Est, Strasbourg, France.

## **Technical Skills:**

**Experimental design** : Psychtoolbox.

**hdEEG acquisition** : EGI Netstation.

**Data Processing & Analysis** : Fieldtrip and EEGLab in Matlab, MNE in Python & Brainvision Analyzer

## **Work Experience:**

**November 2016 – February 2017: Clinical Pharmacist** – A.T. Pharmacies, Cairo, Egypt.

## **References:**

### **Manuel Schabus, Univ.-Prof., Dr.**

University of Salzburg

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### **Kerstin Hödlmoser, Assoc.-Prof., Dr.**

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