



*Curriculum Vitæ*  
**HOREA-IOAN IOANĂȘ**

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## HIGHER EDUCATION

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**Heidelberg University, Ruperto Carola** Sep. 2011 - Jan. 2014  
*MSc. in Molecular Biosciences & Neuroscience*

Thesis: “Neuronal Correlates of Oculometric Parameters in Face Recognition”  
GPA: 1.2 (German)

**University of Oxford** Oct. 2012 - Apr. 2013  
*Visiting Researcher*

Hosted by: Department of Experimental Psychology

**Heidelberg University, Ruperto Carola** Sep. 2008 - Sep. 2011  
*BSc. in Molecular & Cellular Biology*

Thesis: “Intrinsic Optical Imaging of Biogenous Magnetoception”  
GPA: 1.5 (German)

**Carl von Ossietzky University of Oldenburg** Jun. 2011 - Sep. 2011  
*Visiting Researcher*

Hosted by: Department of Neurosensorics

**Saint Petersburg State University** Sep. 2010 - Jan. 2011  
*Exchange Student*

Hosted by: Neuroscience MSc. program

## WORK EXPERIENCE

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**Central Institute of Mental Health - Clinical Psychology** Jun. 2013 - Jan. 2014  
*Junior Researcher* Mannheim, DE

Advisors: Prof. Dr. Peter Kirsch, Prof. Dr. Daniel Durstewitz, Prof. Dr. Rainer Spanagel  
Work: Locus Coeruleus functional imaging (fMRI); Pupillometry in emotional face recognition; Eye tracking; Genome associations; Psychometric testing; Image processing (Python); Data analysis (Python, R, MATLAB, SPM)

**University of Oxford - Experimental Psychology** Oct. 2012 - Apr. 2013  
*Department Staff* Oxford, UK

Advisor: Prof. Dr. Glyn Humphreys  
Work: Behavioural tests on visual attention and attraction; Design and programming of experimental protocol; Photography; Computer vision; Eye tracking; Data analysis (Python)

**MPI for Medical Research - Molecular Neurobiology** Feb. 2012 - Jul. 2012  
*Intern, Student Assistant* Heidelberg, DE

Advisors: Dr. Valery Grinevich, Prof. Dr. Peter Seeburg

Work: Molecular cloning; Viral vector production, purification, and injection; Isolation of brain slices; Immunohistology

**Carl von Ossietzky University of Oldenburg**

Jun. 2011 - Dec. 2012

*Visiting Researcher*

Oldenburg, DE

Advisors: Dr. Dominik Heyers, Prof. Dr. Henrik Mouritsen, Dr. Nils-Lasse Schneider

Work: Intrinsic Optical Imaging in the pigeon visual vulst; Design of stimulation protocol and set-up; Magnetic field stimulation; Data analysis (Python)

**MPI for Medical Research - Biomedical Optics**

Mar. 2011 - Apr. 2012

*Guest Scientist*

Heidelberg, DE

Advisors: Dr. Andreas Schäfer, PD. Thomas Hahn, Dr. Damian Wallace

Work: Intrinsic Optical Imaging in the mouse barrel cortex; Design of stimulation protocol and set-up; Data analysis (MATLAB)

**Sechenov Institute of the Russian Academy of Science**

Nov. 2010 - Jan. 2011

*Student Assistant*

Saint Petersburg, RU

Advisor: Prof. Dr. Konstantin Bolshakov

Work: Isolation and cultivation of brain slices; Vibrodissociation of hippocampal pyramidal neurons; Patch clamp; Local drug application

**Heidelberg University Clinic - Clinical Neurobiology**

Oct. 2009 - Feb. 2010

*Student Assistant*

Heidelberg, DE

Supervisors: Dr. Anne Herb, Prof. Dr. Hannah Monyer

Work: Genotyping transgenic mice, PCR

**Heidelberg University - Institute for Zoology**

Sep. 2009 - Feb. 2010

*Tutor*

Heidelberg, DE

Supervisor: Prof. Dr. Gabriele Petersen

Work: Mentoring; Student Supervision

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## SCHOLARSHIPS AND AWARDS

**DAAD**

Oct. 2008 - Nov. 2013

*Scholarship*

Program: "Stipendienprogramm Deutsche Auslandsschulen"  
- German Foreign Schools Scholarship Program

**Baden-Württemberg-Stipendium**

Sep. 2010 - Jan. 2011

*Scholarship*

Program: Baden-Württemberg Universities' Foreign Exchange

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## TECHNICAL STRENGTHS

**Cursory Lab Experience**

MEA, EEG, TMS

**Programming Languages**

Python, R, MATLAB, Bash, Ruby

**Operating Systems**

Linux (Gentoo, Kali, Arch, Debian, Ubuntu), FreeBSD

**Text Processing**

LaTeX, Markdown, JabRef, Gnumeric

**Revision Control Systems**

Git, Subversion

**Website Administration**

Octopress, Jekyll, Joomla, Trac, Wordpress, Omeka

**Photography**

RawTherapee (sensor data post processing toolkit)

## HUMANISTIC STRENGTHS

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<b>Native Languages</b>	German, Romanian
<b>Other Languages</b>	English (C2); French, Russian (B2); Arabic (A1)
<b>Belles-Lettres</b>	“Märzwasser” ( <a href="http://mw.chymera.eu">http://mw.chymera.eu</a> ), “Roşu” (ISBN 973-715-002-3)
<b>Blogging</b>	Tutorials ( <a href="http://chymeric.eu">http://chymeric.eu</a> ) Neuroenhancement ( <a href="http://neuroenhance.me">http://neuroenhance.me</a> ) Photography ( <a href="http://thechymera.tumblr.com">http://thechymera.tumblr.com</a> )
<b>Graphic Design</b>	The GIMP, Adobe Photoshop, Inkscape, Corel Draw