

NADJA R. GING-JEHLI

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SHORT PROFILE

- High affinity for interdisciplinary scientific inquiry at the intersection of clinical science, social science, neuroscience and psychophysiology (**Computational Psychiatry**)
- Strong mathematical background
- Several years of experience in experimental and behavioral economic research
- Extraordinarily self-driven person who personally financed all academic training, in addition to work

ACADEMIC BACKGROUND

PhD in Psychology and Neuroscience, *The Ohio State University* (Current GPA: 3.99) 2019 – present
Columbus, OH USA

Co-Advisors: Prof. M.D. M.Ed Eugene Arnold; Prof. Dr. Roger Ratcliff

Master of Arts in Psychology, *The Ohio State University* 2017 – 2019
with Specialization: Neuroscience
Columbus, OH USA

Master's thesis: "On the implementation of Computational Psychiatry within the framework of Cognitive Psychology and Neuroscience"

Advisors: Prof. Dr. Roger Ratcliff, Prof. M.D. M.Ed Eugene Arnold, Prof. Dr. Patricia Van Zandt

Additional coursework in Psychology, *University of Zurich* 2016 – 2017
Zurich, Switzerland

Biological Psychology I & II, Neuroeconomics, Social Psychology I & II
(Neuroscience, Immunology, Genetics, Epigenetics, Endocrinology)

Master of Arts in Economics, *University of Zurich* (GPA: 3.53) 2015 – 2017
with Minor in Behavioral and Experimental Economics
Zurich Switzerland

Graduation with honors: magna cum laude

Master's thesis: "Situational determinants of social preferences"

Advisor: Prof. Dr. Ernst Fehr

Additional coursework in Mathematics, *Swiss Federal Institute of Technology (ETH)* 2014 – 2015
Zurich Switzerland

Real Calculus I & II, Linear Algebra I & II

Bachelor of Arts in Economics, *University of Zurich* (GPA: 3.49) 2012 – 2014
Zurich, Switzerland

Graduation with honors: magna cum laude

Bachelor's thesis: "Generosity across economic contexts"

Advisor: Prof. Dr. Roberto Weber

Bachelor of Science in Business Administration, *Zurich University of Applied Sciences (ZHAW)* 2008 – 2012
Winterthur, Switzerland (GPA: A (best))

Graduation with honors: Dean's List Award in recognition of outstanding academic achievement

Awarded with the Rieter-Award for the best Bachelor Thesis in 2012:

"How corporate governance of a consultancy can benefit from findings in behavioral economics – How implicit incentive signals influence intrinsic motivation"

Industrial Psychology with Certificate from KLZ, *Commercial Learning School (KLZ)* 2007 – 2008
Zurich, Switzerland

Human Resources Advisor with Certificate, *AKAD School of Business* 2006 - 2007
Zurich, Switzerland

Apprenticeship with Vocational Baccalaureate Diploma, *Graubündner Kantonalbank* 2004 – 2007
Chur, Switzerland

PROFESSIONAL EXPERIENCE

The Ohio State University

PhD in Psychology and Neuroscience, Columbus, OH USA

8/2017 - present

Cognitive Psychology Laboratory (Advisor: Prof. Roger Ratcliff)

Center for Psychiatry and Behavioral Health, Nisonger Center

(Advisor: Prof. Eugene Arnold)

- Analyzing clinical datasets (e.g., autism (ASD), bipolar disorder, attention-deficit/hyperactivity disorder (ADHD) from neurocognitive tests with the Diffusion Decision Model
- Assisting in the collection of EEG data and the use of neurofeedback
- Analyzing experimental data from clinical trials
- Applying the Diffusion Decision Model to link the behavioral measures from neurocognitive tests with neuronal data like EEG
- Designing a set of diagnostic cognitive tasks to discriminate between the different ADHD subtypes and comorbidities
- Programming and conducting studies using fMRI and eye-tracking

University of Zurich

7/2013 – 1/2017

Research Assistant (20-40% employment), Zurich, Switzerland

Chair of Behavioral Economics (Prof. Roberto Weber), Department of Economics

- Directing several independent research projects
- Analyzing experimental and field data with STATA
- Programming experiments with “z-Tree”
- Assisting in designing and conducting experiments at the Economics Laboratory
- Conducting literature research, surveys, field and online studies

Swiss Federal Institute of Technology (ETH)

11/2013 – 7/2017

Laboratory Assistant (20% employment), Zurich, Switzerland

Decision Science Laboratory, Department D-GESS, Behavioral Studies

- Responsible for checking experiments programmed with z-Tree
- Writing codes for PowerShell in order to run experiments
- Independently conducting laboratory experiments
- Assistance in conducting laboratory experiments
- Helping others with programming experiments with “z-Tree”

Statistical Bureau, City of Zurich

Internship as Research Assistant (60% employment), Zurich, Switzerland

7/2013 – 9/2013

Fehr Advice & Partners AG

3/2012 – 2/2013

Junior Consultant & Executive Assistant (50% employment), Zurich, Switzerland

UBS AG (100% employment)

7/2007 – 2/2012

Client Advisor Assistant, Executives/Entrepreneurs Private Banking, Zurich, Switzerland

3/2011 – 2/2012

Individual Client Advisor, Rüslikon, Switzerland

9/2008 – 2/2011

General Client Advisor, Zollikerberg, Switzerland

7/2007 – 8/2008

Graubündner Kantonalbank

8/2004 – 6/2007

Apprenticeship with Vocational Maturity Diploma, Chur, Switzerland

PUBLICATIONS

Articles Accepted

“On self-serving strategic beliefs” Ging-Jehli, N. R., Schneider, F. H., Weber, R. A. (accepted). Journal of Games and Economic Behavior.

Articles Under Review

“Exploring Cholesterol Supplementation for Autistic Symptoms in Children with Low Cholesterol” Ging-Jehli, N.R., Deepa, M., Hollway J., Hurt, E., Moone, S., Arnold, L.E. (submitted). Journal of Child and Adolescent Psychopharmacology.

“The Study of **Aging Effects** in a **Task-Switch Paradigm** with the **Diffusion Decision Model**” Ging-Jehli, N.R., Ratcliff, R. (submitted). Journal of Psychology and Aging.

Working Papers

“**Computational Psychiatry**: A comprehensive **review and meta-analysis** of a range of current **neurocognitive tests for ADHD**, within the framework of Cognitive Psychology and Computational Modeling” Ging-Jehli, N.R., Ratcliff, R., Arnold, L.E. (polishing to submit to: Psychological Bulletin).

“**Generosity across contexts**,” Davis, A. L., Jehli, N. R., Miller, J. H., & Weber, R. A., University of Zurich, 2015, *working paper*.

CURRENT WORK

Using the **Diffusion Decision Model** to understand attention deficit hyperactivity disorder (**ADHD**) – with a special emphasis on ADHD subtypes (Analysis of Neuropsychological Performance in an ADHD Sample from the **ICAN study**)

Applying the **Diffusion Decision Model** to the Neuropsychological Test Performances in an **ADHD** Sample from the **MTA study**

On the implementation of **Computational Psychiatry** to study **subtype differences** in **ADHD and Autism Spectrum Disorder** across a range of neurocognitive tests

The **effects of stress** on visuo-spatial attention and social decision making

REVIEWS FOR JOURNALS

Neuropsychology

GRANTS

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| Swiss National Science Foundation for implementing own research project “Computational Psychiatry,” (CHF 3,000) | 2019 – 2020 |
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HONORS / AWARDS

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| Swiss National Science Foundation Graduate Fellowship, Switzerland | 2019 – 2020 |
| University Fellowship, The Ohio State University, USA | 2017 – 2018 |
| Graduation with honor: magna cum laude, University of Zurich, Switzerland | 2017 |
| Graduation with honor: magna cum laude, University of Zurich, Switzerland | 2014 |
| Named to the Dean’s List in recognition of outstanding academic achievements, Switzerland | 2012 |
| Awarded the Rieter-Prize for the best Bachelor Thesis in 2012, Switzerland | 2012 |

ACADEMIC PRESENTATION

- Poster Presentation** “Computational Psychiatry: Studying ADHD in neurocognitive tests”, 2019
at the Society for Neuroscience Conference, Chicago, IL
- Oral Presentation** “ADHD/ASD – A different way how to perceive the world”, 2019
at the Cincinnati Children’s Hospital Medical Center
- Poster Presentation** “On the implementation of computational psychiatry to study ADHD”, 2019
at the Institute for Behavioral Medicine Research Conference,
The Ohio State University, USA
- Poster Presentation** “Generosity across contexts” at the Social Norms and Institutions, 2015
International Conference at the Congressi Stefano Franscini (CSF) of
ETH Zurich, Ascona

TEACHING AND ADVISING

- Educating and advising undergraduate research assistants in the conductance of **Eye-tracking studies** 2018
in Prof. Dr. Ian Krajbich’s Neuroeconomics Lab
- Educating and advising two undergraduate research assistants in the own founded 2019
“OSU computational psychiatry workgroup”

ADDITIONAL SKILLS

Statistical software: Advanced in **STATA**, **SPSS** and **R**; Knowledge in **SAS**
Proficient in **z-Tree (C++)** (Programming Language for Economic Experiments)
Advanced in **MATLAB**, **MATLAB Psychtoolbox**;
Knowledge in **Python**, **LATEX**, **Fortran**
European Computer Driving License (ECDL-Certificate) and Swiss IT Certificate (SIZ II)
Advanced in conducting **eyetracking** studies using **eyelink**
Knowledge in conducting **fMRI** and **full-cap EEG** studies

LANGUAGE PROFICIENCY

German - Native

English - Full Professional Proficiency (oral and written); First Certificate in English; TOEFL iBT English
Diploma (reading: 29 of 30, speaking: 28 of 30, listening: 28 of 30, writing: 28 of 30, total score: 113)

French - Full Professional Proficiency (oral and written); DELF A1, A2, A3 and A4

Italian - Basic (oral and written), DELI-diploma

STANDARD TEST

GRE: Quantitative: 93 Percentile, Verbal: 88 Percentile, Writing: 4.0
(highest scores achieved)