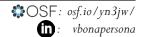
# VALERIA BONAPERSONA

PhD Candidate Neuroscience

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I am an interdisciplinary scientist interested in the effects of stress on the brain and the body. I am a strong supporter of hypothesis-driven research, and I am passionate about the use of statistical and synthesis (e.g. meta-analysis) techniques to reduce animal experimentation. Currently, I use a combination of wet and dry lab techniques to investigate in rodents how stress in early life affects the connectivity between brain areas, ultimately leading to changes in behavior.

## O ACADEMIC CAREER

Since Sept. 2017 Dept. Translational Neuroscience, Brain Center Rudolf Magnus, University Medical Center Utrecht, Utrecht University

PhD Candidate Neuroscience

Title: "A global overview to early life adversity: neurotransmitters, pathways, cognitive domains"

Supervisors: Prof. dr. Joels, Prof. dr. Hoijtink, Dr. Sarabdjitsingh Approach: advance statistics and meta-analysis on existing rodent data, full brain clearing and staining

Active as: outreach with PhD council, and young Science in Transition; representative with PhD platform

2015-2017 Utrecht University (NL) grade: 8.9/10

MSc Clinical and Experimental Neuroscience (cum laude)

#### Research projects:

- "The hypothalamic-pituitary-adrenal axis is regulated by the mineralocorticoid receptor and early life stress sex-dependently" (9 months) - Supervisor: Dr. Sarabdjitsingh
- "Glucocorticoid delivery mechanism by neutrophil elastase is tissue-dependent" (6 months) - Supervisors: Prof. Walker, Dr. Nixon - University of Edinburgh (UK)
- "The effects of early life stress on the dopaminergic system: a meta-analysis of preclinical studies" (*Literature thesis*)

Active as: Student representative; selected Member Excellence program *U/Select;* Editor in Chief student *Journal Neuroscience & Cognition* 

2012-2015 University College Utrecht (NL) grade: 3.71/4 GPA BSc Biomedical Sciences (cum laude)

Major: Cognitive Neuroscience & Biomedical Science Minor: Psychology & Statistics

Thesis: "Music intervention in children: reducing anxiety from anaes-

thesia induction" - *Supervisor*: Dr. de Graaff *Active as*: Chair of Music Committee Board

## O ACADEMIC OUTPUT

**Publications** 

**Bonapersona V**, Joels M, Sarabdjitsingh, RA (2018) The effects of early life stress on biochemical indicators of the dopaminergic system: a 3-level meta-analysis of rodent studies. *Neuroscience and biobehavioral reviews*. 95:1-16. doi: 10.1016/j.neubiorev.2018.09.003

**Bonapersona V**, Kentrop J, van Lissa CJ, van der Veen R, Joels M, Sarabdjitsingh RA (*In preparation*). The behavioral phenotype of early life adversity: a 3-level meta-analysis of rodent studies.

Sarabdjitsingh RA, **Bonapersona V**, Damsteeg R, Joels M (*In preparation*). The mineralocorticoid receptor modulates behavior and neuroendocrine stress resilience after early life stress in mice.

Honors & Awards

- Best Poster Prize Dutch Neuroscience Meeting 2018 (NL)
- *U/Select* scholarship (2017) 2500e
- Travel grants for Master Internship (2000e)

Oral presentations on invite

- Masterclass by *Royal Netherlands Academy of Arts and Sciences* (KNAW) (2016). "Comorbidity of affective, metabolic and cardiovascular disease: A crucial role of the MR"
- Conference Dutch Neuroscience Meeting 2019 (NL)

Poster presentations with abstract

8 poster presentations at (inter)national conferences:

- Federation European Neuroscience Society Forum (Berlin 2018), Dutch Neuroscience Meeting (Lunteren 2016, 2017, 2018), Science for Life (Utrecht 2016)
- Annual Cardiovascular Symposium (Edinburgh 2017), Annual Translational Neuroscience Symposium (Utrecht 2016, 2017).

without abstract

- Lectures in Master and Bachelor Neuroscience courses (Utrecht, NL)
- Supervision: 2 Bachelor (4 months) and 1 Master (9 months) students
- Cosupervision: 3 Master students (2 9 months)

Reviewer

Teaching

Scientific Reports; Hormones & Behavior

Software

MaDEapp@ https://vbonapersona.shinyapps.io/MaDEapp/MaBapp@ https://vbonapersona.shinyapps.io/MaBapp/

### O OTHER ACTIVITIES

2006 - 2016 Conservatorium Alessandria (IT) Conservatorium Vicenza (IT) Istituto pareggiato Gallarate (IT) MA Classical Piano Performance (grade: 9.5/10)

Maestro: Roberto Plano