Valeria Bonapersona

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PhD Candidate Neuroscience

since Sept. 2017; UMC Utrecht Brain Center, Utrecht University (NL)

Title:	"A global overview to early life adversity: neurotransmitters, pathways, cognitive domains"
Promotors:	Prof. dr. Joels, Prof. dr. Hoijtink, dr. Sarabdjitsingh
Approach:	Bayesian & meta- analyses on existing rodent data; whole-brain immunohistochemistry; open science
Active as:	*outreach* with PhD council and young Science in Transition; *representative* with PhD platform

EDUCATION

2015-2017 MSc Clinical and Experimental Neuroscience *cum laude*

Utrecht University (NL)
University of Edinburgh (UK)
grade 8.9/10

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

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

2012-2015 BSc Biomedical Sciences *cum laude*

University College Utrecht (NL)
grade: 3.71/4 GPA

Thesis:
- "Music intervention in children: reducing anxiety from anaesthesia induction" - *Supervisor*: Dr. De Graaf

2006-2016 MA Classical Piano Performance *grade: 9.5/10*

Conservatorium Alessandria (IT)
Conservatorium Vicenza (IT)
Istituto pareggiato Gallarate (IT)

Maestro: Roberto Plano

ACADEMIC OUTPUT

Publications

- **Bonapersona** et al. (2021). Increasing the statistical power of animal experiments with historical control data. *Nature Neuroscience*, 1-8.
- **Bonapersona** et al. (2019). The behavioral phenotype of early life adversity: a 3-level meta-analysis of rodent studies. *Neuroscience & Biobehavioral Reviews*, 102, 299-307.
- **Bonapersona** et al. (2019). Sex-Dependent modulation of acute stress reactivity after early life stress in mice: relevance of mineralocorticoid receptor expression. *Frontiers in behav. neuro*, 13, 181.
- **Bonapersona** et al. (2018). Effects of early life stress on biochemical indicators of the dopaminergic system: a 3 level meta-analysis of rodent studies. *Neuroscience & Biobehavioral Reviews*, 95, 1-16.
- **Bonapersona** et al. The mouse brain after footshock: temporal dynamics at a single cell resolution. *In preparation*
- van der Veen, **Bonapersona**, & Joëls (2020). The relevance of a rodent cohort in the Consortium on Individual Development. *Developmental cognitive neuroscience*, 45, 100846.
- Schuler, **Bonapersona** et al. Effects of early life adversity on immediate early genes expression: a systematic review and meta-analysis. *Submitted*

Honors & Awards

Best **poster** (Dutch Neuroscience Meeting 2018, NL); 2x Best oral **presentation** (Translational Neuroscience Day 2019, NL; ONWAR PhD symposium 2019, NL); 3x **Travel grants** (EBBS 2019, CZ; S4 conference 2021, NL; ECNP workshop 2020, FR); **scholarships** for master internship (2017, 4500e); PhD **competition** (FIGON, 2019).

Presentations

3x oral **presentations on invite** (Masterclass KNAW 2016, NL; Dutch Neuroscience Meeting 2019, NL; Open Science Symposium 2020, NL); 10x **poster** presentations (inter)national conferences (Equator conference 2020, DE; Winter stress conference 2019, DE; Dutch Neuroscience Meeting 2016-18, NL; FENS Forum 2018, DE; Science for Life 2017, NL; Annual Translational Neuroscience Symposium 2016-2017, NL; Cardiovascular Symposium 2017, UK).

Teaching

Supervisor: 2x Master research internships (6-9 months); 2x Bachelor theses; 2x Master theses; 1x research assistant. **Cosupervisor**: 3x Master research internships (6-9 months)
Lecturer in Master and Bachelor Neuroscience Courses (Utrecht University, NL; University College Utrecht, NL; Amsterdam University College, NL; Leiden University, NL).

Software

RePAIR @utrecht-university.shinyapps.io/repair/ ; **abc3d** R package ; **MABapp** @ vbonapersona.shinyapps.io/MaBapp/ ; **MaDEapp** @ vbonapersona.shinyapps.io/MaDEapp