

## **Klaasjan Ouwens**

Born April 21<sup>st</sup> 1988, Amersfoort

[www.klaasjanouwens.nl](http://www.klaasjanouwens.nl)



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### **Work experience**

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#### **Embedded PhD Student**

*38 hours a week*

**Vrije Universiteit, Amsterdam**

December 2014– present

Under the working title “Next Generation Bioinformatics” I am investigating genetic differences between monozygotic twins, as well as the feasibility of large-scale genetic analysis using next generation sequence data. This is in collaboration with software company Genalice.

#### **Research assistant**

*38 hours a week*

**Vrije Universiteit, Amsterdam**

October 2014– December 2014

As a temporary research assistant at the department of biological psychology, I assisted with the analysis of data for various research projects, including a large meta-analysis identifying genetic variants associated with childhood ADHD.

#### **VU-Boomsma University Research Fellow**

*12 hours a week*

**Vrije Universiteit, Amsterdam**

Aug 2012– Aug 2013

I have been appointed VU-Boomsma-Fellow by Dorret Boomsma, professor in biological psychology, in the academic year 2012-2013. Tasks include data management and harmonization for meta-analyses of genome-wide association studies.

#### **Teaching assistant “Human-Computer Interaction”**

*10 hours a week*

**Vrije Universiteit, Amsterdam**

Apr 2011– Jul 2011

As a teaching assistant I was responsible for providing support during computer lab sessions as well as grading assignments and the final exam. This third year course was mainly about designing and evaluating user friendly interfaces.

#### **Teaching Assistant “Project Knowledge Systems”**

*20 hours a week*

**Vrije Universiteit, Amsterdam**

Jun 2010 – Jul 2010, Jun 2011 – Jul 2011

“Project Knowledge Systems” is the project students have to take at the end of their second year of college. It is aimed at putting all learned theory into practice. During this project, students learn to measure and simulate human visual attention during a cognitive demanding task in a computer-simulated environment. I was involved in the preparation and planning of the course, as well as the grading of the assignments.

#### **Student PR assistant**

*ca. 2 hours a month*

**Vrije Universiteit, Amsterdam**

Jan 2007 – Jun 2011

I have been involved in the promotion of my study program since my second year at the university. I have been regularly giving presentations, including at the Bachelor's Information Day and at high schools.

**Student Council Faculty of Science***10 hours a week*

Vrije Universiteit, Amsterdam

Sep 2009 - Aug 2011

As a member of the student council I represented the interest of the students of the faculty. I was primarily involved in handling complaints from students, the PR and education-related issues. In the first year I was also responsible for internal communication. In the second year, as president, maintaining a good understanding with the faculty board was added to my tasks.

**Student member education committee***3 hours a week*

Vrije Universiteit, Amsterdam

Nov 2007 – Aug 2011

As a member of the education committee, I was always trying to find ways to improve education wherever possible. I have been checking and improving the education and examination regulations and have been involved in improvements of the curriculum. As the student members, we regularly organized meetings with students to collect complaints.

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**E d u c a t i o n**

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**Master Neurosciences***Specialization: Behavioral and Medical Genomics*

Internships:

Department of Biological Psychology, VU University Amsterdam

Topic: *Finding genes for Neuroticism: a candidate gene and whole genome analysis*

Department of Quantitative Psychology, University of Notre Dame, US &amp;

Department of Biological Psychology, VU University Amsterdam

Topic: *Investigating phenotypic heterogeneity of Trait Anger*

Vrije Universiteit, Amsterdam

September 2011 – August 2014

**Bachelor Computer Science**

Specialization: Artificial Intelligence

Subject of thesis: *Effects of social robots on human stress levels*

Vrije Universiteit, Amsterdam

September 2006 – June 2011

**Secondary school: VWO**

Specialization: Natuur &amp; Gezondheid (Nature &amp; Health)

Extra courses: Physics, Music

Willem de Zwijger College, Bussum

September 2002 – August 2006

**Secondary school: VWO**

Heerenlanden College, Leerdam

September 2000 – August 2002

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## Publications

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Marschall, T., Marz, M., Abeel T., Dijkstra, L., Dutilh, B., Ghaffaari A., ... & Schoenhuth A., (2016). Computational Pan-Genomics: Status, Promises and Challenges. *Briefings in Bioinformatics*.

Middeldorp, C. M.\*, Hammerschlag, A. R.\*, Ouwens, K. G.\*, Groen-Blokhuis, M. M., Pourcain, B. S., Greven, C. U., ... & Vilor-Tejedor, N. (2016). A Genome-Wide Association Meta-Analysis of Attention-Deficit/Hyperactivity Disorder Symptoms in Population-Based Paediatric Cohorts. *Journal of the American Academy of Child & Adolescent Psychiatry*.

van Den Berg, S. M., de Moor, M. H., Verweij, K. J., Krueger, R. F., Luciano, M., Vasquez, A. A., ... & Gordon, S. D. (2015). Meta-analysis of Genome-Wide Association Studies for Extraversion: Findings from the Genetics of Personality Consortium. *Behavior genetics*, 1-13.

Lubke, G. H., Ouwens, K. G., de Moor, M. H., Trull, T. J., & Boomsma, D. I. (2015). Population heterogeneity of trait anger and differential associations of trait anger facets with borderline personality features, neuroticism, depression, Attention Deficit Hyperactivity Disorder (ADHD), and alcohol problems. *Psychiatry research*, 230(2), 553-560.

De Moor, M. H., Van Den Berg, S. M., Verweij, K. J., Krueger, R. F., Luciano, M., Vasquez, A. A., ... & Gordon, S. D. (2015). Meta-analysis of genome-wide association studies for neuroticism, and the polygenic association with major depressive disorder. *JAMA psychiatry*, 72(7), 642-650.

van den Berg, S. M., de Moor, M. H., McGue, M., Pettersson, E., Terracciano, A., Verweij, K. J., ... & Hansell, N. K. (2014). Harmonization of Neuroticism and Extraversion phenotypes across inventories and cohorts in the Genetics of Personality Consortium: an application of Item Response Theory. *Behavior genetics*, 44(4), 295-313.