



Jasper M.A. de Jong, PhD

Contact Profile

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I am a biomedical scientist and certified data analyst with over 12 years of experience in the fields of comparative medicine and energy metabolism. I am enthusiastic about creating and testing new ideas, and solving problems using data.

[My LinkedIn](#)

[ORCID](#)

Work Experience

Yale University School of Medicine

2017–2022 Postdoctoral Fellow | Dept. of Comparative Medicine, USA | Lab of Dr. Matthew Rodeheffer

- **Managed research projects** studying the health effects of dietary fat composition
- Conducted in vivo **mouse experiments** (neurosurgery, blood and tissue sampling and all routes of drug administration)
- Applied **bioinformatics** tools to analyze large data sets (microbiome, lipidomics and energy metabolism data)
- **Supervised** 5 students at different academic stages doing their research projects

Languages

Dutch (native)
English (fluent)
Swedish (conversational)

Stockholm University

2012 – 2017 Doctoral student | Physiology program, Dept. of Molecular Biosciences, Sweden | Lab of Professors Barbara Cannon and Jan Nedergaard

- Studied the effects of environmental factors on fat tissue function using **in vivo mouse and cell culture studies**
- Applied **bioinformatics** tools to analyze RNA-sequence data sets
- **Developed and taught practical classes** for bachelor and master students
- **Supervised** 5 students at different academic stages doing their research projects

Harvard University

2010 Research intern | Dept. of Stem Cell and Regenerative Biology, USA | Lab of Dr. Chad Cowan

- Conducted my thesis project studying the development of **humand induced pluripotent stem cells** into fat cells

Education

Utrecht University

Faculty of Science, The Netherlands

- **MSc** in Cancer Genomics & Developmental Biology | 2011
- **BSc** in Biomedical Sciences | 2008

Certificates

- **Data Analyst Professional with R** (Datacamp)
- **FELASA C** Laboratory Animal Sciences (Karolinska Institute, Sweden)
- **Radiation Hygiene Expert** level 5b (Utrecht University, the Netherlands)
- **Safe Microbiology Techniques** (Utrecht University, the Netherlands)

Awards

Swedish Research Council International Postdoctoral Fellowship

2019 – 2022 Three-year personal fellowship to do postdoctoral training abroad

SEK 3.150.000, equivalent to €290.000

Project title: The dietary composition of fatty acids – how does it affect feeding behavior?

Skills

Data Analytics

- **Data collection** (webscraping in R)
- **Organization** (R, SQL, Excel)
- **Communication** (Dashboards in R, Tableau, HTML, GraphPad Prism)
- **Version control** (Git & Github)

Communication

- Presented my research as a selected speaker at 6 international conferences

Teamwork

- Collaborated with people of over 15 different nationalities in interdisciplinary teams within and between different laboratories

Laboratory analytical techniques

- Confocal microscopy, Western blotting, (quantitative) PCR, ELISA
- Mouse and human primary cell culture and cell lines

Selected publications

Please visit my [ORCID](#) profile for a full publication list.

de Jong JMA, ..., Cannon B, Nedergaard J, Wolfrum C, Petrovic N. Human brown adipose tissue is phenocopied by classical brown adipose tissue in physiologically humanized mice. *Nat Metab.* 2019 Aug;1(8):830-843.

de Jong JMA, Wouters RTF, Boulet N, Cannon B, Nedergaard J, Petrovic N. The β 3-adrenergic receptor is dispensable for browning of adipose tissues. *Am J Physiol Endocrinol Metab.* 2017 Jun 1; 312(6):E508-E518.