THIJMEN VAN BRENK

Persoonsgegevens

Voornaam: Thijmen
Achternaam: Van Brenk
Adres: Tolsestraat 23
                          4043 KB Opheusden
Geboortedatum: 27 April 2002
Geboorteplaats: Nijmegen
Geslacht: Man
Nationaliteit: Nederlands
Rijbewijs: B

🎓 EDUCATION

2010

Beijing University of Chemical Technology
B.S. in Information and Computing Sciences   📍 Beijing, China

Thesis: Dyadic wavelet and its application in edge detection

2014

University of Chinese Academy of Sciences
M.S. in Bioinformatics   📍 Beijing, China

Thesis: A multi-omics study for intra-individual divergence of the distributions between mRNA isoforms in mammals

💻 RESEARCH EXPERIENCE

2011 | 2014

Graduate Research Assistant
Beijing Institute of Genomics, Chinese Academy of Sciences
          📍 Beijing, China
• Performed computational biology research towards understanding regulation of alternative splicing in human and mouse transcriptome.
• Found EGFR pathway related mutations, aimed to understand the impacts of cancer mutations on EGFR signaling pathway.

2015 | 2016

Bioinformatican
My Health Gene Technology Co., Ltd.   📍 Beijing, China
• Investigated how cancer cells spread to other parts of the body at the single cell level.

2016 | 2018

Visiting Scientist
University of Alabama at Birmingham   📍 AL, USA
• Investigated the role of mitochondria in development of cancer.
• Investigated the evolution of genome architecture and its role in important evolutionary events.
• Detected thrombotic thrombocytopenic purpura related mutations in mutiple patients' blood genome.

CONTACT INFORMATIE

✉ tvanbrenk@outlook.com

 github.com/thijmenvanbrenk

📞 06 387 349 75

Voor meer informatie kan ik bereikt worden via mijn email

SKILLS

Experienced in statistical analysis, statistical learning models, and optimization methods.

Full experience with next generation sequencing data analysis.

Highly skilled in R, Bash, Perl, Python, LaTeX

*This resume was made with the R package **pagedown**.*

Last updated on 2022-05-04.

PROFESSIONAL EXPERIENCE

2014

Data Scientist, intern
SupStat Inc.   📍 Beijing, China
• Taught R language to beginners.   • Converted statistical tutorials from
• Wrote Shiny app demos.   SPSS to R language.

2015
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2016

Bioinformatician
My Health Gene Technology Co., Ltd.   📍 Beijing, China
• Analyzed whole-exome   • Studied tumor metastasis and
  sequencing data.   wrote research reports.
• Wrote analysis pipelines of ChIP-   • Also did case studies to identify
  seq, single cell DNA-seq and   the genetic defect causing rare
  single cell RNA-seq.   disease.

TEACHING EXPERIENCE

2014

Introduction to R Language for Beginners.
Instructor of R and Data Mining Training Courses at SupStat Inc.
📍 Beijing, China

2016
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2017

Computational Biology and Bioinformatics.
Teaching assistant of GBS CB2-201 courses at UAB   📍 AL, USA

SELECTED PUBLICATIONS AND POSTERS

2014

**Genetic and epigenetic signals are found predictive to the
distribution of intra-individual divergence of alternative
splicing.**
Poster for 2013 International Conference of Genomics
📍 Qingdao, China

Yu L, Chen B, Zhang Z.

2016

**ESCRT-0 complex modulates Rbf mutant cell survival by
regulating Rhomboid endosomal trafficking and EGFR
signaling.**
J Cell Sci. 2016 May 15;129(10):2075-84.

Sheng Z, **Yu L**, Zhang T, Pei X, Li X, Zhang Z and Du W.