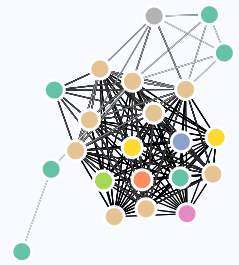


# HALFDAN RYDBECK

I do network and pathway enrichment analysis of plasma proteomics data<sup>1</sup>, I worked with system setup, user management, data delivery and down stream analysis of Illumina and Pacbio sequence data at the Norwegian DNA sequencing center. In my PhD thesis<sup>2</sup> projects I analysed gene expression, promoter methylation, histone occupancy and copynumber variation data with R and Galaxy the Genomic Hyperbrowser<sup>3</sup>.



## EDUCATION

- 2012  
|  
2007
- **PhD bioinformatics**  
Medical faculty, University of Oslo 📍 Oslo, Norway
    - Thesis title: Integrative epigenome analysis
    - courses mostly statistics (30p)
    - Analysed gene expression, promoter methylation, histone occupancy and copynumber variation data with R and The Genomic Hyperbrowser
  - **Master of Science in Bioinformatics**  
Chalmers University of Technology 📍 Gothenburg, Sweden
  - **Master of Science in Molecular biology**  
University of Gothenburg /University of Uppsala 📍 Göteborg/Uppsala, Sweden

## RESEARCH EXPERIENCE

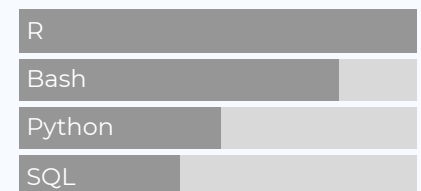
- present  
|  
2020
- **Researcher bioinformatics**  
Core Facilities Bioinformatics vid Sahlgrenska Akademien, University of Gothenburg 📍 Göteborg, Sweden
    - Working with Rstudio and the R package collections Bioconductor and Tidyverse. Reports are generated with R notebooks and the R package Bookdown. Github and GitKraken is used for code version control. Recently applied R packages are DEqMS for differential expression analysis of mass spectrometry data, WGCNA for proteins correlation analysis and ReactomeGSA for pathway analysis
  - **Senior engineer bioinformatics**  
Norwegian Sequencing Center 📍 University of Oslo, Norway
    - System setup, user management, data delivery and down stream analysis of Illumina and Pacbio sequence data at the Norwegian DNA sequencing center. Workflow automation with cron and make.
  - **Principal engineer**  
Bioinformatics core facility 📍 Rikshospitalet HF, Norway

View this CV online with links at <https://rpubs.com/halryd/cv>

## CONTACT

- ✉ [hrydbeck@gmail.com](mailto:hrydbeck@gmail.com)
- 🐦 [hrydbeck](https://twitter.com/hrydbeck)
- 🌐 [github.com/halryd](https://github.com/halryd)
- 🔗 [shorturl.at/xIP78](https://shorturl.at/xIP78)
- in <https://www.linkedin.com/in/halldan-rydbeck>

## LANGUAGE SKILLS



Made with the R package [pagedown](#).

The source code is available on [github.com/nstrayer/cv](https://github.com/nstrayer/cv).

Last updated on 2021-09-04.

2007  
|  
2006



### Research assistant

Human Genetics division

📍 Children's Hospital of Philadelphia, USA

- Neuroblastoma
- Solar, Plink, TDT

2005  
|  
2004



### Senior research assistant

Dept. of genetic epidemiology

📍 A. I duPont Hospital for Children, USA

- Osteoporosis
- Solar, Plink, TDT

2004  
|  
2002



### Database coordinator

Human Genetics division

📍 Children's Hospital of Philadelphia, USA

- Progeny2000



## TEACHING EXPERIENCE

2020



### R for reproducible scientific programming

Software carpentry

📍 Oslo Norway

2018



### Unix

Software carpentry

📍 Oslo Norway

I like when teaching and learning is relaxing and joyfull



## LINKS

- 1: <https://github.com/halryd/Neored>
- 2: (<https://www.duo.uio.no/handle/10852/39398>)
- 3: <https://hyperbrowser.uio.no/hb/#!mode=basic>