

JESPER MAAG, Ph.D.

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SUMMARY

I am a highly efficient and productive Bioinformatics Scientist fluent in next-generation sequencing, and a jack of all trades in bioinformatics data analysis and technologies. I have extensive experience in building and developing pipelines, algorithms, modelling, visualizations, and data analysis to extract meaningful biological insight. I have strong communication and interpersonal skills, and I thrive in collaborative, fast-paced, and challenging atmospheres.

WORK EXPERIENCE

Bioinformatics Scientist

Inzen Therapeutics

Aug 2019 - Present

New York, USA

- Established and maintain the company's proprietary transcriptomics and proteomics pipeline, and integrate public data sets.
- Work with Head of Data Science to build the company's proprietary database.
- Design and lead next-generation sequencing projects, and collaborate with scientists to drive target discovery.
- Communicate results to leadership and scientists.

Senior Computational Biologist

Center for Epigenetics Research, Memorial Sloan Kettering Cancer Center

May 2018 - Aug 2019

New York, USA

- Led the epigenomics and transcriptomic analysis for 10 individual research projects in multiple labs, and led integration of various multi-omics data types.
- Created and developed the epigenomics and transcriptomic next-generation sequencing pipelines to expedite and standardize analysis to facilitate quick turnover and robust analysis for collaborations.
- Identified needs and gaps in current infrastructure to develop and implement solutions to increase throughput of projects.
- Established interactive visualizations to facilitate data exploration by scientists.

Postdoctoral Fellow, Computational Biology

Institute for Systems Genetics, New York University Medical School

Dec 2016 - May 2018

New York, USA

- Established custom next-generation sequencing pipelines for the lab.
- Conducted independent research in genome regulation, and integrated public data.
- Communicated with IT to build an in-house genome browser.

EDUCATION

Ph.D., Computational Biology/Medicine

Garvan Institute of Medical Research, UNSW, Sydney, Australia

March 2017

M.S. Pharmaceutical Sciences

Uppsala University, Uppsala, Sweden

January 2012

SELECTED PUBLICATIONS

- Maag JLV. 2018. *F1000Research*, 7:1576.
Maag JLV *et al.* 2017. *Molecular Cancer Research*, 15:11.
Maag JLV *et al.* 2017. *BMC Genomics*, 18:250.
Maag JLV *et al.* 2015. *Front Neurosci*, 9:351.

AWARDS

- Collaborative Award (Inzen Therapeutics, 2019)
First Prize, Art of Personal Genomics (Garvan Institute, 2013)

SKILLS

General	Pipelines, Visualizations, Communication, Statistics, Machine learning, Bayesian statistics, Cancer genomics, Immunology, Neurogenomics
Bioinformatics	Transcriptomics, Epigenomics, Proteomics, Genomics, RNA-seq, DNase-seq, ATAC-seq, ChIP-Seq, WGS, HiC, Public data mining
Computer Languages	R, Python, Bash, ggplot2, Unix, HPC, AWS, Bioconductor, \LaTeX