The team of Jonathan Göke at the Genome Institute of Singapore (GIS) is currently looking for a PhD student in the field of computational genomics. Our group focuses on large-scale data analysis, algorithms development, and machine learning using genomics data. Students will work on their research project at GIS, and they will obtain their degree from the National University of Singapore, ranked among the top 20 universities in the world.

Available Topics include amongst others:

- Machine learning approaches to predict cell fate from genomics data
- Statistical modeling of uncertainty using large-scale transcriptomics data
- Modeling of alternative splicing using long read RNA-Seq data

**Requirements:** Candidates should hold a degree or graduate before January 2019 (B.Sc. or M.Sc) with major in bioinformatics, computer science, or statistics, good grades, and programming experience. Official language in Singapore is English, so good English communication skills are required.

**Contact:** Interested candidates can contact Jonathan Göke (gokej@gis.a-star.edu.sg). For additional information about the team and GIS please visit www.jglab.org or www.gis.a-star.edu.sg

### Selected Publications

PhD Scholarships
Computational Biology

About the Genome Institute of Singapore

The Genome Institute of Singapore (GIS) is the national flagship program for genomic sciences in Singapore. The department of Computational and Systems Biology (CSB) forms an integral part of GIS as data analysis hub and center of excellent computational research. CSB houses 9 dedicated computational research groups that bring together a rich expertise in computer science, statistics, and bioinformatics. The computational teams are supported by state-of-the-art sequencing facilities and high performance computing infrastructure that enables cutting-edge genomics research. PhD Students have the opportunity to directly interact with experimental and clinical research labs at GIS to facilitate truly inter-disciplinary and translational research projects. PhD students will be enrolled at NTU and NUS, consistently ranked among the best Universities in the world. The Computational Biology PhD program at the GIS offers a world-class learning environment and excellent career prospects both for academia and industry.

The Teams

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About Singapore

Singapore is a city-state with one of the highest standards of living in the world seeking to become an international hub for the biomedical sciences. Singapore is a vibrant, tropical city, with rich Asian heritage and modern style of living, an ideal gateway to explore Asia, providing a unique experience and an excellent quality of life.

Contact

Interested students (Master and Bachelor) with a background in computer science, mathematics, bioinformatics or a related field are welcome to contact the team leaders directly about potential PhD projects. Please visit www.gis.a-star.edu.sg for additional information and recent publications.

Apply now for January 2019 intake