

Postdoctoral Fellow: Cancer Data Scientist

We seek a talented and motivated postdoctoral fellow to join the computational biology group of Dr. Anders Jacobsen Skanderup (www.skandlab.org). Using Big Data, we develop integrated clinical, experimental, and computational approaches to solve important challenges in cancer research.

The successful candidate will join a highly integrated and mission-oriented team of scientists and medical doctors working to decipher the causes of lung cancer and improving treatments (**see recent work from the group: Tan et al., Nature Medicine, 2017; Wang et al., Nature Medicine 2019; Chen et al., Nature Genetics, 2019**). We are generating and collecting massive data sets comprising genetic, molecular, and medical record data from thousands of lung cancer patients across Asia. This creates a unique opportunity and environment to **develop data-driven statistical and computational approaches to decipher the genetic and molecular determinants of drug response in lung cancer patients**. We seek individuals that enjoy **team work** and get a kick out of discovering patterns in **medical Big Data**.

We are located in the Genome Institute of Singapore, an international research environment set in the biomedical Biopolis campus. Inter-institutional collaborations are accessible and encouraged. Singapore itself is a vibrant, cosmopolitan city, ideal for work, family, and leisure.

Requirements

1. PhD in Bioinformatics, Computational Biology, (Bio)statistics, Computer Science, Engineering or related field with strong emphasis on quantitative data analysis. Alternatively a PhD in another field but with strong and documented data-analysis skills.
2. Proven excellence in research (e.g. publication in reputable journals)
3. Experience with analysis of cancer genomics data is a major advantage.
4. Excellent written and spoken English

Interested candidates are invited to send a cover letter and CV to Anders Jacobsen Skanderup (skanderupamj@gis.a-star.edu.sg).

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Postdoctoral Fellow: Biostatistics and Precision Oncology

We seek a talented and motivated postdoctoral fellow to join the computational biology group of Dr. Anders Jacobsen Skanderup (www.skandlab.org). Using Big Data, we develop integrated clinical, experimental, and computational/statistical approaches to solve important challenges in cancer research.

The successful candidate will join a highly integrated and mission-oriented team of scientists and medical doctors working to decipher the causes of lung cancer and improving treatments (**see recent work from the group: Tan et al., Nature Medicine, 2017; Wang et al., Nature Medicine 2019; Chen et al., Nature Genetics, 2019**). We are generating and collecting massive data sets comprising genetic, molecular, and medical record data from thousands of lung cancer patients across Asia. This creates a unique opportunity and environment to **develop data-driven and longitudinal statistical models of drug response and treatment outcomes in lung cancer patients**. We seek individuals that enjoy **team work** and get a kick out of creating usable **statistical and computational models for real-world clinical decision support**.

We are located in the Genome Institute of Singapore, an international research environment set in the biomedical Biopolis campus. Inter-institutional collaborations are accessible and encouraged. Singapore itself is a vibrant, cosmopolitan city, ideal for work, family, and leisure.

Requirements

1. PhD in Biostatistics, Statistics, Bioinformatics, Computer Science, or related field with strong emphasis on statistical data analysis.
2. Experience with bayesian data analysis, mixed-effect models, and/or survival analysis is a major advantage.
3. Proven excellence in research (e.g. publication in reputable journals)
4. Experience with analysis of cancer genomics data is an advantage, but not a requirement.
5. Excellent written and spoken English

Interested candidates are invited to send a cover letter and CV to Anders Jacobsen Skanderup (skanderupamj@gis.a-star.edu.sg).

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Postdoctoral Fellow: Data Scientist for Immuno-Oncology

Why do cancer immunotherapy treatments work in some patients, but not in others? We seek an energetic and team-oriented Data Scientist to join a **multi-disciplinary effort to discover new biomarkers of cancer immunotherapy**.

Our laboratory uses joint experimental and computational approaches to decipher tumor biology (www.skandlab.org). In the concrete project, the candidate will develop new **genomics, transcriptomics, and image-based approaches to discover biomarkers of response to cancer immunotherapy**. The project will leverage large public cancer genomics datasets as well as deep genomic, molecular, and medical data from ongoing local **clinical trials**.

We are located in the Genome Institute of Singapore, an international research environment set in the biomedical Biopolis campus. Inter-institutional collaborations are accessible and encouraged. Singapore itself is a vibrant, cosmopolitan city, ideal for work, family, and leisure.

Requirements

1. PhD in Bioinformatics, Computational Biology, (Bio)statistics, Computer Science, Engineering or related field with strong emphasis on quantitative data analysis. Alternatively a PhD in another field but with strong and documented data-analysis skills.
2. Proven excellence in research (e.g. publication in reputable journals)
3. Experience with analysis of cancer genomics data is a major advantage.
4. Excellent written and spoken English

Interested candidates are invited to send a curriculum vitae to Anders Skanderup (skanderupamj@gis.a-star.edu.sg).

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Data Analyst: Statistical and Computational Cancer Genomics

We seek a talented and motivated Data Analyst to join the computational biology group of Dr. Anders Jacobsen Skanderup (www.skandlab.org). Using Big Data, we develop integrated clinical, experimental, and computational/statistical approaches to solve important challenges in cancer research.

We work in close collaboration with excellent experimental and medical groups at GIS and in Singapore. The successful candidate will assist in developing and applying **computational/statistical approaches for analysing massive data sets comprising tumour and medical record data from thousands of cancer patients**. This is an excellent opportunity to gain applied research experience in the areas of **Computational Biology, Big Data, and Medical Genomics**.

Requirements

1. Bachelor or Masters degree in Biostatistics, Statistics, Bioinformatics, Computer Science, Engineering or related field with strong emphasis on quantitative data analysis.
2. Strong and documented programming skills
3. Experience in bayesian data analysis, mixed-effect models, and/or survival analysis is a major advantage.
4. Experience with analysis of DNA sequence data is an advantage, but not a requirement.
5. Good written and spoken English

Interested candidates are invited to send a cover letter and CV to Anders Jacobsen Skanderup (skanderupamj@gis.a-star.edu.sg).

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