



## **Director, Computational Chemistry Reference 17-04**

**Posted: January, 2017**

### **About us:**

At Arbutus, we have a vision: to cure HBV. We have a dedicated and innovative team and we are uniquely positioned to transform the HBV treatment landscape. We are developing a portfolio of drug candidates with multiple mechanisms of action that we believe will result in a combination therapy to cure HBV. Arbutus Biopharma, Inc. has offices and research facilities in Burnaby, Canada and Doylestown Pennsylvania, USA.

If you are looking to join a team with a proven track record in drug discovery and development, and are as passionate as we are, we want to hear from you.

### **About the Role:**

Arbutus has an opportunity for a Director, Computational Chemistry to join our growing team in Doylestown. Reporting to the VP Chemistry, the Director, Computational Chemistry will provide scientific leadership in the development and evaluation of novel targeted approaches to the treatment of liver disease. The individual will be expected to lead computational research, manage the chemical and biological databases, and conduct molecular modelling and compound docking studies, as well as communicate results in both written and oral forms as well as present updates of the performed work at team meetings.

### **Responsibilities will include:**

- Deliver on research goals and objectives.
- Support all aspects of the Company's drug discovery program in chemistry and biology by leading computational research.
- Integrate and maintain all chemical and biological information and databases.
- Apply computer modeling techniques to design leads for protein targets and develop methods to resolve problems, ranging from lead identification to optimization of compounds.
- Evaluate compound diversity, create compound screening strategies, and support screening data analysis.
- Participate as an active member of various research project teams and partner with internal team members to reach scientific goals.
- Maintain awareness of current research in the field and bring forward new and challenging innovations in the area of molecular modeling.
- Provide budgetary input for computational chemistry function.
- Establish and maintain a state of the art computational chemistry function to support all aspects of drug discovery.
- Participate as a member of the Chemistry leadership team including setting computational chemistry goals and objectives and helping to establish the vision.
- Maintain knowledge of published developments in research field; recommend alternative approaches to research projects and programs.
- Foster a spirit of cooperation, teamwork and motivation within the laboratory and department.
- Present scientific results in a variety of settings, both formal and informal, and both within and outside of the company.
- Contribute to the Arbutus patent portfolio and the scientific literature.
- Mentor and manage junior staff as required; provide scientific leadership in a matrix team environment.
- Other duties as required.

**Qualifications:**

- Ph.D. in Chemistry, or related biological science and minimum 10 years' relevant experience or equivalent combination of education and experience with a proven record of accomplishment in the field.
- Excellent verbal and written communication and presentation skills; proven ability to effectively present to a variety of internal and external audiences.
- Mature with a proven ability to collaborate with and influence others at all levels throughout a diverse organization.
- Ability to manage deadlines and prioritize effectively, while maintaining flexibility and able to achieve team/extended team buy-in.
- Demonstrates scientific creativity, works independently, and takes initiative.
- Strong cheminformatics skills including composition of scripts to support data mining and analysis a plus.
- Ability to think creatively and develop innovative solutions to problems.
- Deals with complex issues using critical analysis and develops reasoned solutions.
- The following knowledge and/or skills are required:
  - structure based drug design
  - ligand based virtual screening
  - protein structure based virtual screening
  - physical property calculations
  - screening data mining, cluster analysis, and data visualization
  - molecular dynamics simulations
  - quantum chemical calculations
  - QSAR analysis
- The following knowledge and/or skills are an asset:
  - Familiarity with protein homology modeling
  - manipulating large data sets

**Contact Information:**

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**How to Apply:**

We invite you to send your cover letter and resume in PDF format, to [careers@arbutusbio.com](mailto:careers@arbutusbio.com). Please ensure your submission is in PDF format (ideally in one document) indicating your last name in the filename (**for example: SmithJane-cover-CV.pdf**) and position title and reference number in the subject line of the email ("**17-04 - Director, Computational Chemistry**").

**About your Application:**

At Arbutus we value diversity and encourage applications from all qualified candidates.

We greatly appreciate your interest in being a part of our team; however, because of the volume of resumes we receive, we are only able to contact you should you be considered for a position. We will keep your resume in our database for one year, and contact you should a position that matches your skills become available.