

## **RESEARCH SCIENTIST**

Novartis Animal Health, Aqua R&D site, Victoria, PEI, Canada

Job Description: **Scientist, Clinical and Molecular Virologist**

### **About Novartis Animal Health Aqua Business:**

Novartis Animal Health, Aqua Health Business specializes in the research, development and commercialization of vaccines and pharmaceuticals to aid in the prevention of disease in fish species. Vaccine research, development and clinical testing in the target species are housed at the main Aqua R&D site located in Victoria by –the-Sea, Prince Edward Island, and this proximity allows for the efficient advancement of vaccine research and development. From 2005 – 2009 new Aqua vaccines were introduced into global markets. One of these vaccines, Apex-IHN® is the first DNA-based vaccine to be sold in the world. NAH Aqua provides a dynamic environment that offers exciting opportunities for growth and learning.

### **About the position:**

We are looking for an experienced individual with an in-depth and expansive knowledge of viral pathogenesis (Herpesviridae, Orthomyxoviridae and Rhabdoviridae families for example would be an asset) and molecular virulence factors as it relates to disease. The ideal candidate would be able to lead the discovery and research of novel candidates for vaccine design and contribute to the development of viral challenge models for vaccine testing. He or she would have excellent analytical and conceptualization skills, and would be able to collaborate and communicate effectively with other team members.

### **Responsibilities:**

Supports the research and development of viral vaccines for fish species.  
Develops viral challenge models in fish species in collaboration with the clinical investigator for use in vaccine testing.  
Conceptualizes strategies and executes experimentation towards achieving proof of concept for viral vaccines using conventional virions or biotechnology based methods.  
Writes summary reports to support new product research and development.  
Analyzes and presents data in a clear, accurate and concise manner.  
Represents the company at local and international conferences.

### **Qualifications:**

- ~ PhD in Virology with 4+ years post-doctoral experience
- ~ A strong command of standard virology techniques (virus isolation, virus quantification {eg. plaque assays, qPCR, TCID<sub>50</sub>}, virus growth optimization and genetic modification).
- ~ Experience with in vivo challenge model development including an assessing disease pathology and vaccine efficacy would be an asset.
- ~ Background in immunology and vaccinology would be an asset.