



# Alexander Andrew

## Manager, Downstream Industrialization

Written by Nicholas Morehouse

M.Sc. Trainee



Alexander Andrew obtained a Bachelor of Medical Science from Western University in 2013 where he completed his honors thesis studying selective vinculin mutations. Alexander furthered his education at Queen's University obtaining a Master of Science in Biochemistry through the structural identification of *Legionella pneumophila* effector protein Lem23. Alexander immediately entered into industry by obtaining a position at Sanofi Pasteur through networking during his graduate studies. At Sanofi Pasteur Alexander started as a Manufacturing Technology Scientist where his main objectives were to develop and execute process improvement strategies which would increase manufacturing capacity, decrease costs and demonstrate the robustness of processes. During his time as a Manufacturing Technology Scientist he designed experiments, wrote protocols and reports, as well as led teams of technologists through these experiments. Through his work he was able to identify solutions that increased yields of desired products through development of new purification processes that would decrease annual operating costs by > \$ 500 000 through these new processes. In December of 2017 Alexander moved to a new manufacturing facility (Building 100) at Sanofi Pasteur where he started his new position as a Manager, Downstream Industrialization. This new facility will be responsible for the manufacturing of diphtheria, tetanus and five-component acellular pertussis antigens used in Sanofi's ACEL vaccine family. Alexander is responsible for ensuring this facility up-to-date with the latest technologies and following industry trends as well as presenting experimental results, designing control strategies and



developing innovative technologies being implemented into the facility. Alexander looks to continue his work as a Manager, Downstream Industrialization with Sanofi Pasteur through the new facility's commissioning and qualification activities.