Faculty/Portfolio:Faculty of Medicine & Dentistry

Unit: **Department of Medical Microbiology & Immunology**

Position Title: Research Associate, Inflammatory Diseases

Position Type/Job Family: Research Associate

Incumbent Name (if applicable):Click here to enter text.

Date of Completion:Click here to enter a date.

**SIGNATURES:** The signatures below indicate that all parties have read and understand the information in this Position Description.

**INCUMBENT (if applicable)**

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*Name Signature Date*

**PRINCIPAL INVESTIGATOR/SUPERVISOR**

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*Name Signature Date*

**CHAIR/DEAN/VICE-PRESIDENT**

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*Name Signature Date*

**POSITION SUMMARY:** Give a brief summary of the position covering the main responsibilities, the framework within which the position has to operate, and the main contribution to the organization.

* Designs and conducts complex scientific research specifically as it relates to viral etiology of multiple sclerosis and other inflammatory diseases under the direction of the Principal Investigator
* Collects, analyzes and interprets data relating to research and clinical translation
* Sets research activity objectives in consultation with the Principal Investigator
* Develops and carries out independent research
* Troubleshoots experimental protocols
* In consultation with the Principal Investigator, develops and documents research methods and protocols
* Writes research papers and assists with the preparation of research grant applications and contract proposals with varying amounts of input from the Principal Investigator
* Presents research results at laboratory meetings, departmental seminars, scientific conferences, and related settings
* Fosters communication with off-campus partners
* Participates in the scientific oversight of the laboratory; assists the Principal Investigator in supervision of students, technicians, and other staff in the laboratory
* Works in BL2 and BL3 biohazard containment facilities
* Performs animal studies

**KNOWLEDGE, SKILLS AND ABILITIES:** Provide a list of the most important knowledge, skills and abilities including knowledge about practical procedures, specialized techniques, analytical and conceptual skills, and abilities and skills needed for interaction with others. Specify the level (or type) of post-secondary education that is required.

* PhD in molecular virology or in a related subject
* 4/5 years of postdoctoral experience encompassing broad molecular research
* Proven accomplishments in virology and multiple sclerosis research
* Working experience in BL2 & 3 bio-containment laboratories
* Working knowledge and experience of genomics and bioinformatics
* Wide experience of cell-culturing including primary tissue cells of CNS origin
* Working experience of computational design methods
* Working experience of miRNA technology
* Ability to work independently as well as contributing to team development, including during the supervisor's periodic absences from the lab

**ORGANIZATION CHART:** An organization chart must be included, indicating supervisor, peers and other positions in the area/unit.