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<b>Job Title</b>	RF Technician
<b>PVN ID</b>	HC-1907-003161
<b>Category</b>	Research
<b>Location</b>	HUNTER COLLEGE
<b>Department</b>	biological Sciences
<b>Status</b>	Full Time
<b>Annual Salary</b>	\$37,000.00 - \$41,000.00
<b>Hour(s) a Week</b>	35
<b>Closing Date</b>	Sep 01, 2019 (Or Until Filled)

## General Description

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Innate immunity mediated by a high density lipoprotein, known as Trypanosome Lytic Factor, TLF, Forms the basis of our research. The active component of the HDL complex is APOLIPOPROTEIN L1. African variants of this protein have been linked to chronic kidney disease. We seek to understand the sturcture/function relationship of APOLIPOPROTEIN L1 in its capacity to kill parasites and to damage kidney cells. To date our data shows that APOLIPOPROTEIN L 1 forms cation selective pH gated ion channels and that this function drives the death of both parasites and kidney cells. This independent project will study the comonlaites and differences in the two mechanisms of killing using in vitro techniques and transgenic murine models.

## Other Duties

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1. Maintain lab orders and delivery requirements for research and meetings
2. Maintain lab stocks in all freezer/liquid nitrogen
3. Keep RF PAF records updated
4. Maintain Tg murine colonies and genotyping
5. Liaise with Enivronmental health and safety to keep all trainee records up to date

## Qualifications

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The ideal candidate will have excellent oral and written communication skills and will be able to work independently and in a team environment.

A minimum 2 year commitment and BA AND MA in Biology is required.

Candidates with experience using planar lipid bilayers and laboratory skills in molecular biology (cloning and

site directed mutagenesis) immunological techniques, biochemistry and live cell imaging are preferred.

Interested applicants should include a cover letter, list of references, and resume including all acquired laboratory skills.