

# MAURITIUS RESEARCH AND INNOVATION COUNCIL (MRIC)

## COLLABORATIVE RESEARCH AND INNOVATION GRANT SCHEME (CRIGS)

### Project Summary

<b>Title of Project:</b> Establishment of a new diagnostic method for detection of non-solid tumors in Mauritius	
<b>Local Company:</b> Centre International de Développement Pharmaceutique (CIDP)	
<b>Main Collaborating Institution:</b> University of Technology, Mauritius	
<b>Project Leader:</b> Dr Veronique NEWTON	
<b>Research Collaborator(s)</b>	
<b>Name</b>	<b>Organisation</b>
Dr N Jaypaul	University of Technology, Mauritius
Dr M Putteeraj	University of Technology, Mauritius
Dr M J Somanah-Bhugowandeen	University of Technology, Mauritius
<b>OTHER COLLABORATING PARTNERS</b>	
Dr Poonam GUNGADIN	Consultant Pathologist, Ministry of Health and Quality of Life, Head of the Hematological Section
Dr Reshma RAMRACHEYA	Group Leader & University Research Lecturer; University of Oxford
<b>Technical Abstract</b>	
<p>Childhood acute lymphoblastic leukemia (ALL) is a malignant disease or cancer of the blood that affects in Mauritius 20-30 new children per year. ALL is the most common type of cancer in children. Immunophenotyping which is essential for the diagnosis of ALL is still lacking in Mauritius and as a consequence all samples are sent abroad for the diagnosis of ALL. CIDP has a powerful flow cytometer which is unique in the island and which allows <i>in vitro</i> diagnosis, is CE compliant and most importantly is capable of immunophenotyping, thus allowing diagnosis of non-solid tumors. This method is rapid, reliable and efficient. In collaboration with the University of Technology and the Ministry of Health of Mauritius, we would like to set up the protocols using the flow cytometer for diagnosis of non-solid tumors in Mauritius.</p>	
<b>Key Words:</b> cancer, children, diagnosis, flow cytometer, acute lymphoblastic leukemia	