**WRITING EXERCISE**

**RESEARCH TOPIC: Genetic diversity of *Merozoite Surface Protein 1* (MSP1) of *Plasmodium falciparum* in Yaoundé, Centre region of Cameroon**

# RESEARCH QUESTION

 What is the genetic diversity of *P. falciparum MSP1* gene in Yaoundé?

# RESEARCH HYPOTHESIS

 The null hypothesis is that, *P. falciparum MSP1* gene present no diversity in Yaoundé.

**RESEACH OBJECTIFS**

1. **General objectif**

Study the genetic diversity of *P. falciparum MSP1* gene in Yaoundé, Centre region of Cameroun.

1. **Objectifs spécifiques**
2. To identify *P. falciparum* in blood samples by amplifying the *P. falciparum 18S* gene using the Nested PCR method in Yaoundé;
3. To Determine different alleles of *P. falciparum MSP1* gene, their allelic frequency and their multiplicity of infection in positive blood samples;
4. To construct the phylogenic tree of *P. falciparum MSP1* gene in Yaoundé by using the UPGMA method.