# Tutorial Problem Groups and Assigned Objectives

## Group G

* Group Members:

1. 1. Baros Wafula Amboko
2. 2. Fredrick N. Shongeya
3. 3. Too Shirlyn
4. 4. Sang Mercy Chebet
5. 5. Abel Kiprop

* Assigned Objectives:
* To investigate the cause of recurrent infections in infants with early-onset immune deficiency.
* To evaluate the role of immunoglobulins (IgG, IgA) in protecting against bacterial and viral infections.
* To understand the functional significance of T and B lymphocytes in immune responses.

## Group F

* Group Members:

1. 1. Kipkemboi Humphrey
2. 2. Gladwell Jepkemboi
3. 3. Claudio Lolkipayeng
4. 4. Mercy Jeruto Koech
5. 5. Elsie Noel Jepkogsei

* Assigned Objectives:
* To assess how the absence of peripheral T and B cells affects the adaptive immune system.
* To analyze the role of complement components (C3 and factor B) in innate immunity and their implication in this case.
* To differentiate between primary immunodeficiencies based on immunoglobulin levels and lymphocyte presence.

## Group E

* Group Members:

1. 1. Loveness Njeri
2. 2. Cecilia Otundo
3. 3. Joseph Guchu
4. 4. Daniel Kiplagat
5. 5. Juma Clide Wanjala

* Assigned Objectives:
* To propose diagnostic criteria and appropriate laboratory investigations for SCID or other immunodeficiencies.
* To identify appropriate treatment options and management strategies for infants with combined immunodeficiencies.
* To explore the genetic and molecular basis of combined immunodeficiencies in early infancy.

## Group D

* Group Members:

1. 1. Blessed Cheptoo
2. 2. Kelvin Kibet
3. 3. Victor Kimutai Cheptoo
4. 4. Peter Bomett
5. 5. Jackline Jeptoo

* Assigned Objectives:
* To understand the importance of early diagnosis and possible interventions such as bone marrow transplant or gene therapy in congenital immunodeficiencies.
* To investigate the role of soluble factors in blood during infection.
* To identify and differentiate the types of blood components involved in immune responses.

## Group C

* Group Members:

1. 1. Ouma Joshua Simion
2. 2. Dennis Kimaiyo
3. 3. Godiva Mbori
4. 4. Faith Rono
5. 5. Glenda Wekesa

* Assigned Objectives:
* To examine how blood components change at different stages of infection.
* To understand the contributions of Jules Bordet to immunology and infectious disease research.
* To explore the significance of early discoveries at the Pasteur Institute in advancing biomedical science.

## Group B

* Group Members:

1. 1. Sophie Moraa
2. 2. Mary Kimani
3. 3. Deborah Cherono
4. 4. Kibet Levi
5. 5. Dolphine Barongo

* Assigned Objectives:
* To investigate historical observations of natural resistance and variable responses to epidemics.
* To explore genetic factors that influence individual susceptibility and response to infectious diseases.
* To identify specific genes and their chromosomal locations involved in immune response regulation.

## Group A

* Group Members:

1. 1. Cynthia Nyambori
2. 2. Paul Kimanzi
3. 3. Julie Nkirina
4. 4. Faith Cherono
5. 5. Isaac Leboo

* Assigned Objectives:
* To understand how genetic diversity contributes to differences in disease severity and recovery.
* To analyze the role of host genetics in shaping public health responses to epidemics.