

LEISHMANIA

Genus Leishmania has a number of spp.

Widely distributed in nature.

All are morphologically identical

Diffentiated on the basis of

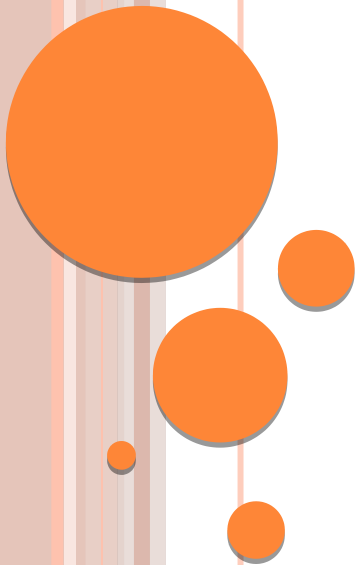
- Biochmical & Epidemiological criteria
- Detection of specific antigens by using monoclonal antibodies
- Promastigote growth pattern in vitro in the presence of antisera
- Vector
- Reservoir host

INTRODUCTION TO LEISHMANIA

A vector-borne, primarily a Zoonotic disease

Vector of **Old World Leishmania** is female sandfly of the genus **Phlebotomus**

Vector of **New World Leishmaniasis** are genera of **Lutzomyia** & **Psychodopygus**



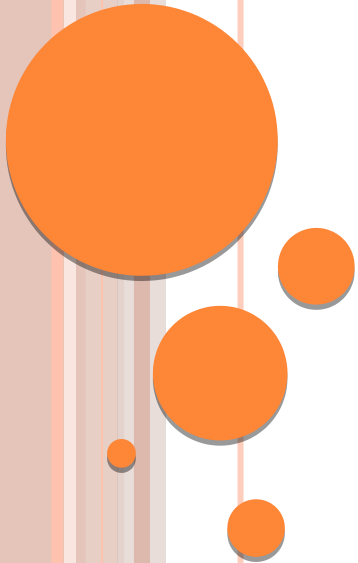
INTRODUCTION TO LEISHMANIA

Leishmania passes its life cycle in Two hosts

Invertebrate host is the Sandfly

Vertebrate host are mammals

where it lives inside Mononuclear phagocytic cells



○ L.

