

History and Use of Microscopes



Successful Microscopy

- * **microscope**
- * **knowledge of optics**
- * **skill in use and care**
- * **correct illumination**
- * **preparation of specimens**

DEFINITIONS

- * **magnification**
- * **resolution**
- * **illumination**

types

1. simple

2. compound

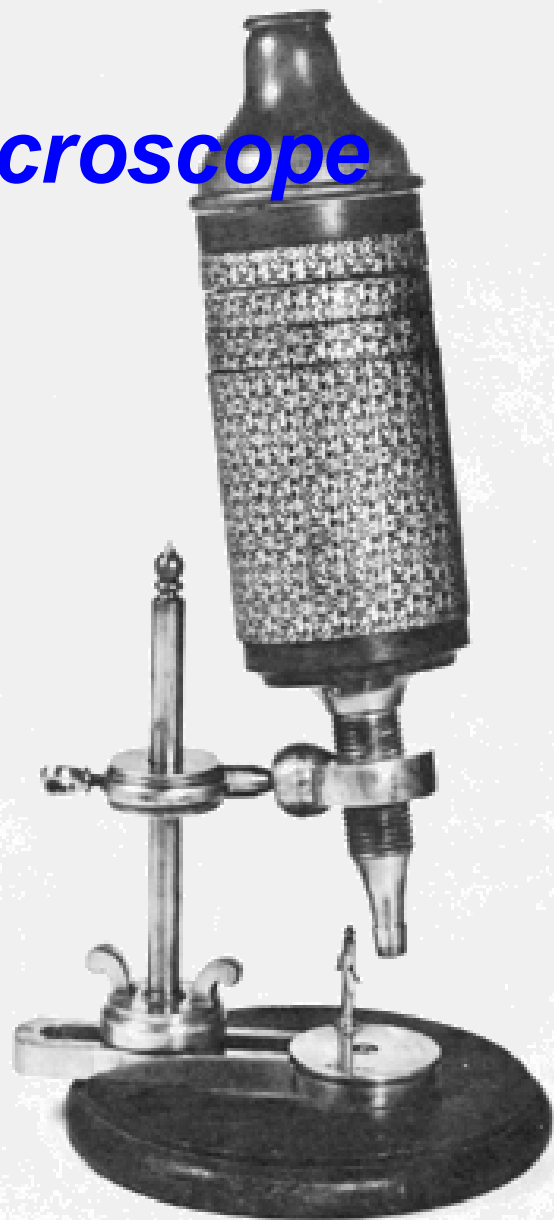
Robert Hooke

1635-1703



- **blood**
- **cells**

Hooke microscope



Antony von Leeuwenhoek

1632-1723

simple



scientific studies

capillaries

taste buds

invertebrates



Marcello Malpighi

Marshall scope

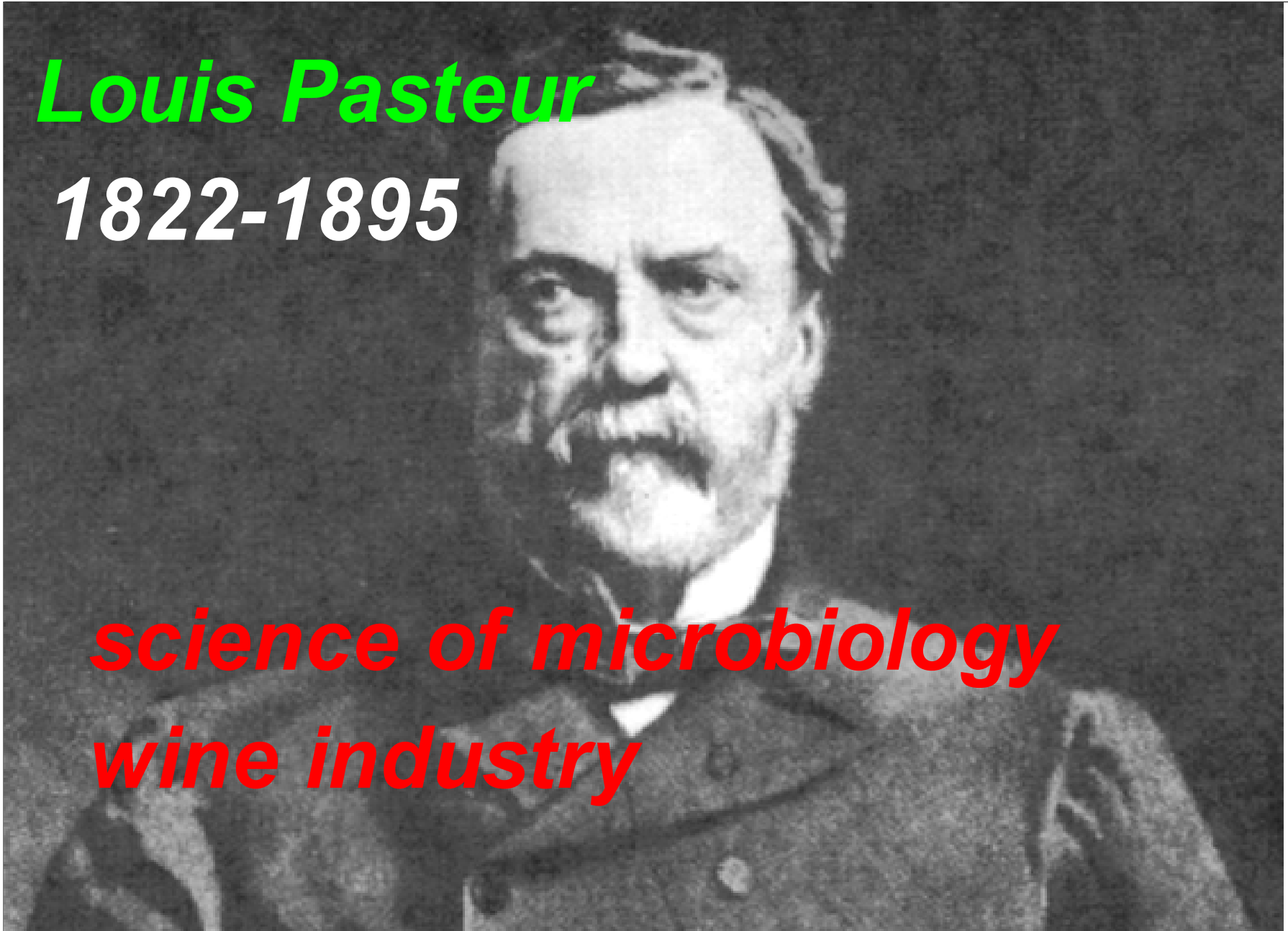
*marketed in England to
show blood cells of
William Harvey (late 1600's)*



Louis Pasteur

1822-1895

science of microbiology
wine industry



Key Optic Concept



1. Reflection and refraction



2. Moving images with light



3. Focal point

