

MICROBIOLOGY COURSE INTRODUCTION

SOME MICROBIOLOGY HISTORY

THE PAST & THE PRESENT: DEATH & DISEASE

DISCOVERING MICROBES

ANTON VON LEEUWENHOEK

MICROBES & INFECTIOUS DISEASE

SPONTANEOUS GENERATION

REDI

NEEDHAM

SPALLANZANI

LOUIS PASTEUR
DISPROVING SPONTANEOUS GENERATION

FERMENTATION

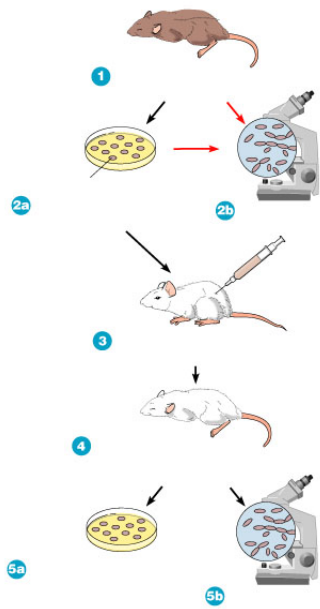
VACCINATION & THE RABIES VACCINE

OTHER CONTRIBUTIONS

ROBERT KOCH

THE GERM THEORY OF DISEASE

KOCH'S POSTULATES



PURE CULTURE TECHNIQUES & OTHER CONTRIBUTIONS

IGNAZ SEMMELWEISS

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WANT TO HEAR MORE ABOUT SOME OF THESE TOPICS? LOOK FOR AUDIO PODCASTS (“INFECTION CONTROL”, “MICROBE DIVERSITY” ECT) ON MICROORGANISMS AND HANDWASHING ON MY WEB SITE AT <http://webhome.broward.edu/~sobenauf/mcb2013/podcasts/podcasts%20audio.html>

CLASSIFICATION & OVERVIEW

TAXONOMICAL HIERARCHY & GROUPINGS

PROKARYOTES & EUKARYOTES

GROUPS OF MICROBES: AN OVERVIEW
BACTERIA

PROTOZOANS

FUNGI

ALGAE

MULTICELLULAR PARASITES

VIRUSES

FOR A VIDEO OVERVIEW OF MICROBES AND MANY OF THE TOPICS WE WILL COVER IN OUR CLASS THROUGH THE SEMESTER WATCH THE VIDEO PODCAST "MICROBES" (IT'S LONG AND WILL TAKE A WHILE TO DOWNLOAD) ON MY WEB SITE AT http://podcast.broward.edu/~sobenauf/IS_teaser.mp4