

Edward Jenner

milkmaids were protected from smallpox if they had been first infected with cowpox

Paul Ehrlich

specific antigen elicited the production of a specific antibody
Lock and key
First realization that the body had a specific defense system

Robert Koch

main founder of modern bacteriology
identified the specific causative agents
concept of infectious disease (germ theory)

Elie Metchnikoff

Specific cells involved with defending

Pasteur

Vaccinator

Microbial fermentation and pasteurization
Disproving the doctrine of spontaneous generation