



Staphylococcus

Genetics and Physiology

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Essential reading for scientists working with staphylococci. This text is an excellent introduction for entry level scientists, as well as those seeking a deeper understanding of this critically important bacterial pathogen.

Topics

- History of the *Staphylococcus aureus*.
- Clinical Significance in Humans.
- *Staphylococcus*: Clinical Significance in Animals.
- Staphylococcal Variation and Evolution.
- Staphylococcal Virulence Factors.
- *Staphylococcus aureus* Metabolism and Physiology.
- Physiological Proteomics of *Staphylococcus aureus*: From the Protein Inventory to Stress Physiology and *In Vivo* adaptation.
- Cell Wall Assembly and Physiology.
- Transition Metal Ion Homeostasis.
- Stress Responses in *Staphylococcus aureus*.
- Molecular Strategies of *Staphylococcus aureus* for Resisting Antibiotics.
- Genetic Regulation.
- Immune Response to *Staphylococcus aureus*.

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