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Escherichia coli in the Americas

- ▶ Chapters contributed by members of the Latin American Coalition for *Escherichia coli* (LACER)
- ▶ In-depth focus on the state of *E. coli* research in Latin America
- ▶ Material relevant to both students and experts

Bacterial diarrheal diseases remain an important leading cause of preventable death, especially among children under five in developing countries. In the American continent, diarrheal disease and other health complications caused by *Escherichia coli* constitute a major public health problem, and, therefore, several research groups have dedicated their effort to understand this pathogen and provide feasible solutions to prevent, treat and reduce *E. coli* infections.

The Latin American Coalition for *Escherichia coli* Research (LACER) was created as a multidisciplinary network of international research groups working with *E. coli* with the ultimate goal of advancing understanding of *E. coli*, and to prepare the next generation of American *E. coli* investigators. As such, this book compiles the knowledge of these investigators about *E. coli*, a commensal bacteria living inside its host, and a pathogen causing disease in animals and humans.

Escherichia coli in the Americas contains a series of 15 chapters written by experts, covering basic concepts regarding the different categories of *E. coli*, including their environmental niche, virulence mechanisms, host reservoir, and disease outcomes, as well as diagnosis, vaccine development and treatment. This book's target audience include trainees and students learning about the basic and clinical aspects of *E. coli* pathogenesis, as well as experts around the globe who wish to learn more about this pathogen and the public health impact this bacteria has in America.



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