



**SPEECH INFORMATION (For Conference Program Book)**

Topic	Microbes, metabolites and the healing heart
Abstract	<p>Discover the surprising connection between gut bacteria and heart healing after a heart attack. This presentation explores how the trillions of microbes living in our gut influence the recovery process, particularly through their impact on the immune system and the production of key compounds called short-chain fatty acids.</p> <p>Special attention is given to butyrate-producing bacteria, which have been shown to play a vital role in protecting the heart after injury. Learn about studies in humans and animals that reveal how these beneficial microbes can boost heart health by producing beta-hydroxybutyrate, a molecule linked to improved heart function.</p> <p>This talk sheds light on how gut microbes and their metabolites interact with the body's immune system to support heart repair. It also opens the door to exciting possibilities for new therapies that harness the gut-heart connection to improve recovery and overall cardiovascular health.</p>

