

Special Issue

The Insect Gut Barrier

Message from the Guest Editor

The guts of both adult and juvenile insects are the place for food digestion and nutrient absorption, but it also forms an important barrier against pathogen and microbe invasion. All these processes are regulated in a tight manner and alteration in the gut integrity might have serious, even lethal consequences. Dysbiosis, pathogen invasion and the presence of bacterial toxins are some of the biological phenomena that can cause the gut to malfunction and that can help us to better understand the biology of this organ at cellular and molecular levels. A comprehensive understanding of gut biology is, therefore, fundamental, especially in vectors of human and animal pathogens. Dr. Paolo Gabrieli

Guest Editor

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