**Post-Doctoral Position Available at the Institut de Recherche en Santé Digestive (IRSD), Toulouse, France**

We are offering an 18-month post-doctoral position at the Institut de Recherche en Santé Digestive (IRSD) in Toulouse, France.

*Salmonella* is a leading cause of zoonotic infections and a major contributor to hospitalization due to the consumption of contaminated food or water, which remains a significant public health concern. The rise of antibiotic-resistant strains and recent outbreaks in Europe underscore the urgency of understanding this pathogen. Broad host-range serotypes, such as *S*. Typhimurium, are known to induce gastroenteritis in humans, while the human-adapted serotype *S.* Typhi causes an invasive and potentially life-threatening disease known as typhoid fever. Despite notable advancements in our understanding of *Salmonella*, including the identification of genetic and virulence differences between non-typhoidal and typhoidal serotypes, the precise mechanisms underlying their distinct host tropism and clinical manifestations in humans remain poorly understood.

Our project aims to elucidate the mechanisms responsible for the human-restricted tropism of *S.* Typhi at the intestinal epithelium level by using a microfluidic system to co-culture intestinal organoid with microbiota and immune cells.

**Required Qualifications:**

Postdoctoral candidates must possess a Ph.D. awarded within the last 3 years in cellular or molecular biology, along with first-author publications in international peer-reviewed journals, and available to start on April 1, 2025. Experience with intestinal organoids, biofilms, and/or on mice will be considered a significant advantage. Ideal candidates should be highly motivated, independent, proactive problem solvers, and strong team players. Proficiency in both oral and written English is mandatory.

**Application Procedure:**

Applications should be sent to Agnès Wiedemann ([agnes.wiedemann@inrae.fr](mailto:agnes.wiedemann@inrae.fr)). Please submit the following documents: an updated CV, a brief description of your scientific achievements and research interests, and 2-3 reference letters.