

PhD position



(co-direction, Juan Anguita, CIC bioGUNE and Maria Carmen Villaran, TECNALIA Food and Health)

The Inflammation and Macrophage Plasticity Laboratory at CIC bioGUNE and the Food and Health Area at TECNALIA are seeking a highly motivated PhD student to join their Laboratories to coordinate and execute an innovative collaborative project.

The candidate will address an unmet medical need, validate a candidate delivery method for the treatment of colon cancer and Intestinal Inflammatory Disease and identify probiotics/metabolites that modulate the microbiota and compete with pathogens associated with the disease, with the final objective of developing a promising low-cost effective technology. A multidisciplinary approach involving biology, biochemistry, physics, and engineering solutions will be employed.

Thanks to our institutional partners and training program, the PhD candidate will acquire the knowledge to lead a biotech project from inception along all the stages of research, technology requirement, market need and technology commercialization.

Requirements of the ideal candidate:

- The candidate must have a bachelor's degree in biotechnology, biochemistry, chemistry or other related discipline or an equivalent combination of experience and education.
- MBA experience will be positive evaluated.
- Previous experience in entrepreneurial setting and translational mindset is highly desirable.
- Excellent analytical skills, report and technical writing, and computer skills with evidence of organisational and communication skills.

The candidate is expected to integrate biotechnology and chemistry research, design, implementation, with instrument operating programs, and best analytical procedures. The candidate will manage the project execution under the tutors' supervision to accomplish the research goals, as well as engineering the developments. Coordination of a multidisciplinary team will be instrumental keeping a clear focus on the integration of the biomedical research into engineering systems to deliver impactful solutions.

Overall, the main aim will be to convert our findings into societal impact.

Potential candidates should send their CV and a motivation letter to our [webform](#) indicating 42111 as reference.

