



## Internship:

### Adhesion of Vacuum Deposited Coatings to PE

Aluminum replacement remains a key goal on many Brand Owners' scorecards due to its negative environmental impact. Therefore, the need to create and validate suitable alternatives for barrier is gaining importance. A suitable alternative will need to be both technically as well as commercially viable.

Vacuum deposited coatings are promising candidates to bridge this gap, but not before open questions about suitable substrates and adhesives are developed/identified for such materials.

The present project aims at developing systems and, in parallel, testing methods for new solutions for adhesion to such advanced barrier coatings. As such, it requires a good theoretical knowledge of polymer science and surface chemistry, combined with practical understanding of most common testing methods for adhesion.

Segment: Food Packaging

Location: Tarragona

Contact: Dr. Sandro Olveira, [sandro.olveira@chem.uzh.ch](mailto:sandro.olveira@chem.uzh.ch)