



ESR3 – Job vacancy

Position description	
Reference	ESR3
Title	Use of commercial block copolymer for recycled polymer blend compatibilization
Recruiting Institution	Borealis
Secondment Institution	University of the Basque Country (UPV/EHU)-POLYMAT
Expected start date (estimated)	October 1, 2020

Job Offer description	
Objective	Evaluation of the phase morphology of blends of virgin polymers and post-consumer recycled polyolefins. i) Effect of copolymer type and architecture on morphology of recycled polymer blends, also including polymeric and inorganic contaminations, ii) Study the crystallization behavior of copolymer blends of recycled polyolefins, iii) development of innovative processing protocols to tailor morphology (self-nucleation and fibrillation of PP phase) and final properties of recycled polymers containing olefin copolymers.
Expected results	ESR should perform an extensive characterization of blends of virgin grades and post-consumer recycled polyolefins, and relate their properties to the molecular features. ESR should understand the effect of compatibilizers and of processing variables on mechanical performances of recycled polyolefins blends
Supervisors	Prof. A. Müller (UPV/EHU and POLYMAT), Dr. D. Tranchida (Borealis).
Secondments (short term academic and industrial internships):	Borealis: Analytical characterization of block-copolymer compatibilized blends of recycled polyolefins, Processing of most promising block-copolymers compatibilized polyolefin blends and mechanical properties evaluation

Vacancy requirements	
Qualifications	Not having resided in Austria for more than 12 months in the 3 years immediately before the recruitment date, and not having carried out their main activity (work, studies, etc.) in Austria during this period. Having a master degree or equivalent diploma, less than 4 years of research career at the recruitment date, and not having a doctoral degree. Solid background in polymer materials
Languages	Excellent command of written and spoken English is a must.

Skills	Ability for research management, dissemination, communication with colleagues and supervisors, strong teamwork spirit, creativity, problem solving and attention to safety.
Experience	Research experience in the academic or industrial sector will be considered

Job details	
Salary	Salary and benefits will be following the rules of the MSCA-ITN, as foreseen in the Marie Skłodowska-Curie Actions Work Programme. Gross salary: (3270€ per month*CCC Austria 106,7%) 3489,09€/month + 600 € mobility allowance *CCC (Country Correction Coefficient)
Other benefits	Other benefits: Gross family allowance: 500€ per month - if applicable at the time of recruitment
Duration	36 months (18 months at Borealis and 18 months at UPV/EHU)
Start date	Estimated: 01/10/2020
Type of contract	Full time
Place of work	At Borealis: Linz, Austria At UPV/EHU: Donostia-San Sebastián, Spain