



EU H2020 MCSA-ITN: 7 Research Institutes & 4 Companies in 7 EU countries

15 Glycoscience PhD positions available, interested?

Surf to www.sweetcrosstalk.eu Application deadline June 21st 2019

Sweet Crosstalk is a multidisciplinary European Innovative Training Network built to address the challenge of understanding, at a molecular level, how glycans are involved at the human mucosa-microbiota interface, and how this correlates with human well-being. The research strategy of the Sweet Crosstalk programme focuses on optimal synergy between chemistry and biology. In the network the expertise ranges from chemical synthesis, biochemistry, structural biology to microbiology and cell biology. Our 7 academic groups are all renowned leaders in the glycoscience and microbiome fields, whereas the complementary 4 companies are specialized in glycan-based diagnostics and prophylactic therapies. Under their guidance, the 15 Early Stage Researchers we are recruiting will become the new generation of innovative scientists with expert knowledge and skills in interdisciplinary glycoscience and human microbiome research. Pursuing a PhD within the Sweet Crosstalk Training Network is an excellent starting point for a career at both top European research institutions as well as the healthcare/biotech job market.

We are currently looking for talented and motivated candidates to become Sweet Crosstalk PhD students. Do you want to be trained as a scientific expert in innovative glyco- and microbiome science? Are you open-minded, curious, ready to explore new ways, and do you like the challenge of working in a dynamic international network with 15 PhDs at seven leading European academic research institutes and four life science companies, covering different aspects of innovative glyco- and microbiome science?

The Sweet Crosstalk Network offers

- highly competitive & attractive salary and working conditions
- challenging research projects to lead to a dissertation (PhD thesis) at high profile universities, research institutions and companies located around Europe.
- the opportunity to become an expert in the field of glyco- & microbiome science and hold a unique position within the European labour market
- training in state-of-the-art scientific skills and transferable managerial skills
- training in academic and industrial settings
- intersectoral secondments to gain work experience in different environments

Requirements for all candidates

In accordance with the very strict EC Marie Skłodowska Curie Actions (MSCA) Sweet Crosstalk ITN rules you must meet the following two eligibility criteria for your ESR/PhD position(s) of interest (so, please do not respond if you are not eligible):

Eligibility criteria 1: Candidates did not reside or carry out their main activity (e.g. reside, work, studies) in the country of the PhD host institution for more than 12 months during the 3 years immediately prior to project's application deadline (time spent as part of a procedure for obtaining refugee status under the Geneva Convention, compulsory national service and/or short stays such as holidays are not taken into account).

Eligibility criteria 2: Candidates are in the first four years of their research careers upon the starting date of their appointment to an ESR/PhD position (full-time equivalent research experience, measured from the date when a researcher obtained the degree entitling him or her to embark on a doctorate) and have not been awarded a doctoral (PhD) degree.

Profile of candidates, are you:

- in possession of a Master degree that fits the research area(s) of the ESR position(s) of your interest, such as a degree in the field of molecular life sciences, chemistry, chemical biology, biochemistry, cell biology, molecular biology, microbiology, life sciences/medicine, pharmaceutical sciences, biotechnology, OR will you obtain such a Master degree by September 2019?
- an excellent student who has obtained high grades during your studies?
- do you have an inquisitive mind-set, accuracy, focus and are you self-reliant?
- willing to undertake trans-national mobility to perform research abroad?
- proficient in the English language (both oral and written)?
- able to work and collaborate within an international multidisciplinary team? Excellent communication skills and cooperation skills are required
- interested in molecular life sciences in general and glyco- & microbiome science in particular?
- fulfilling all the requirements and eligibility criteria?

Then visit our website or click the button below to apply for a maximum of two (1st and 2nd preference) of our 15 PhD positions via our application form. **The deadline for applications is the 21st of June, 2019.**



Only complete applications will be considered. Applications and enclosures that are received after the application deadline will not be considered.

General Questions? Mail sweet.crosstalk@uu.nl; Specific questions about the PhD research project vacancies? Contact the projects (ESR1-15) lead scientist, details on our [website](#).

Overview of available PhD positions (see [our website](#) for more details):

ESR1: Tom Wennekes (Utrecht University, NL) - Developing multifunctional mucin O-glycan arrays and chemical probes

ESR2: Nathalie Juge (Quadram Institute, UK) - Deciphering relationship of mucin glycosylation and gut bacteria

ESR3: Nathalie Juge (Quadram Institute, UK) - Defining molecular mechanism of O-glycan recognition by gut bacteria

ESR4: Hermen Overkleeft (Leiden University, NL) - Probing/ perturbing glycosyl hydrolase activity at mucosal-microbiota interface

ESR5: Antonio Molinaro (University of Naples FII, IT) - Full structural determination of LPS from Gram negative microbiota

ESR6: Antonio Molinaro (University of Naples FII, IT) - Screening of microbial glycoconjugates eukaryotic interactors

ESR7: Anne Salonen (University of Helsinki, FI) - Molecular characterization of cervicovaginal mucus-microbiota interactions

ESR8: Tom Wennekes (Utrecht University, NL) - Developing chemical probes for microbial lectins, transferases & hydrolases

ESR9: Carme Rovira (University of Barcelona, ES) - Computer simulation of structure & dynamics of glycan-binding enzymes

ESR10: Anne Salonen (University of Helsinki, FI) - HMOs & intestinal endotoxins in early life microbiota & immune development

ESR11: Patrice Cani (Leuven University, BE) - Impact of mucosal-gut microbiota interface on pathophysiology of metabolic disease

ESR12: Joeri Beauprez (Inbiose, BE) - Characterization of novel microbiota-derived glycosyltransferases and glycosylhydrolases

ESR13: Louise Vigsnaes (Glycom, DK) - Impact of human glycans (e.g. HMOs) on gut barrier function and mucosal microbiota

ESR14: Annick Mercenier (Nutrileads, NL) - Unravelling the structure-function of pectin derived polysaccharides

ESR15: Rob Field (Iceni Diagnostics, UK) - Carbohydrate detection as the basis of new diagnostics for infectious diseases