

Information on Postgraduate Research Scholarship – Ref: Syngenta-FES-01-24						
Lead Supervisor:	Prof Peter Griffiths					
Project Title:		or qualitative and	lex mixtures - development of I quantitative characterization of			
Project Description:	Any undesirable compone may have a deleterious in performance. Polymeri formulations, may be affer fractions. Poly(ethylene molecular weight block aims to establish an archaracterize possible be determine their role in polymers are likely to challenges to standard Therefore, the desired quantify PEG present and the formulation. The project will critically electrophoretic and relaxate prioritize any specific charpolymers do not contain a to the desired ones, the tempopulations.	ents present - events on the form continued by the present polymers or ether alytical methodoly-products in products in products in products in the stability of be of sufficient doliquid chromoly technique(s) we disubsequently line acterization technique of choice with Syngenta and riod of work place.	nits early stage, will not nique. As the non-desired and are of similar composition e must detect all polymer will involve regular reporting to ement within Syngenta is			
Duration:	3 years, Full-Time Study	or 6 years, Part-Ti	me Study			

Bursary available (subject to satisfactory performance):

Year 1: £19,237 (FT) or pro-rata (PT) Year 2: In line with UKRI rate Year 3: In line with UKRI rate

In addition, the successful candidate will receive a contribution to tuition fees equivalent to the university's Home rate, currently £4,786 (FT) or pro-rata (PT), for the duration of their scholarship. International applicants will need to pay the remainder tuition fee for the duration of their scholarship.

This fee is subject to an annual increase.

Person Specification of Essential (E) or Desirable (D) requirements:

Criteri	a:	E or D
Educa	tion and Training:	
•	1 st Class or 2 nd class, First Division (Upper Second Class) honours degree or a taught master's degree with a minimum average of 60% in all areas of assessment (UK or UK equivalent) in a relevant area to the proposed research project	E
•	For those whose first language is not English and/or if from a country where English is not the majority spoken language (as recognised by the UKBA), a language proficiency score of at least IELTS 6.5 (in all elements of the test) or an equivalent UK VISA and Immigration secure English Language Test is required, if your programme falls within the faculty of Engineering and Science a language proficiency score of at least IELTS 6.5 overall with a minimum of 6.0 in all elements of the test or an equivalent UK VISA and Immigration secure English Language Test is required. Unless the degree above was taught in English and obtained in a majority English speaking country, e.g. UK, USA, Australia, New Zealand, etc, as recognised by the UKBA.	E
Experi	ence & Skills:	
•	Previous experience of undertaking research (e.g. undergraduate or taught master's dissertation)	E
•	Experience of analytical methodologies for resolving complex formulations and determining compositions and identities of components	E
•	Experience with various analytical techniques (HPLC, optical spectroscopy, wet chemistry, preparation of stock solutions)	D
•	Experience with NMR (basic understanding of theory, hands on sample prep, interpretation of spectra, some experience of NMR based software)	E
•	Understanding the basis of Colloidal chemistry / polymer chemistry	D
•	Good numeracy skills, (programming skills would be an advantage)	E
Persoi	nal Attributes:	
•	Understands the fundamental differences between a taught degree and a research degree in terms of approach and personal discipline/motivation	E
•	Able to, under guidance, complete independent work successfully	E

• Curiosity		E
Other Requirements:		
This scholarship may require Academic Technology Approval Scheme approval for the successful candidate if from outside of the EU/EEA		E
 The scholarship must commence before 6th October 2025 		E
Closing date for applications:	midnight UTC on 18th May 2025	
For further information contact:	Prof Peter Griffiths (p.griffiths@gre.ac.uk)	

Making an application:

Please read this information before making an application. Information on the application process is available at: https://www.gre.ac.uk/research/study/apply/application-process. Applications need to be made online via this link. **No other form of application will be considered**.

All applications must include the following information. Applications not containing these documents will not be considered.

- Scholarship Reference Number (Syngenta-FES-01-24) included in the personal statement section together with your personal statement as to why you are applying
- a CV including 2 referees *
- academic qualification certificates/transcripts and IELTs/English Language certificate if you are an international applicant or if English is not your first language or you are from

a country where English is not the majority spoken language as defined by the UK Border Agency $\ensuremath{^*}$

*upload to the qualification section of the application form. Attachments must be a PDF format.

Before submitting your application, you are encouraged to liaise with the Lead Supervisor on the details above.