NYU in London seeks a part time lecturer to teach Organic Chemistry II Laboratory, a second-year undergraduate practical lab course commencing in the spring 2016 term (February- May).

New York University is a Global Network University (NYU-GNU) with courses and programs offered at 13 academic centres on six continents. NYU in London is an undergraduate study abroad program of exceptional quality with teaching strengths across the curriculum. Our UK faculty, drawn mainly from local universities, has an excellent record in teaching and research. Laboratory classes are held at the UCL Chemistry Labs, Gordon Street in Bloomsbury.

COURSE DESCRIPTION

Organic Chemistry I & II: An introduction to the chemistry of organic compounds. The material is presented in the functional group framework, incorporating reaction mechanisms. Topics include structure and bonding of organic materials, nomenclature, conformational analysis, stereochemistry, spectroscopy, and reactions of aliphatic and aromatic hydrocarbons, alcohols, ethers, amines, and carbonyl compounds. Multifunctional organic compounds are covered, including topics of relevance to biochemistry, such as carbohydrates, amino acids, peptides, and nucleic acids.

The Laboratory provides practical training in the basic techniques of the organic chemistry laboratory, including crystallization, distillation, extraction, and other separation techniques, such as column chromatography. Experiments involving the synthesis of organic compounds are introduced, as well as qualitative organic analysis.

TEACHING & LEARNING EXPECTATIONS

The lecturer will deliver practical classes that demonstrate the basic methods of the organic chemistry laboratory. He or she will coordinate topics with the lead Chemistry module leader to provide an integrated course that connects the practical skills learned in the Lab to the theoretical topics covered in Lectures and Recitations.

Students are expected to produce weekly laboratory reports and will take a final practical exam. All student work is to be marked and commented upon by the instructor.

EXPECTATION OF HOURS:

Each semester is 15 weeks and laboratory classes meet once a week for 4.5 hours on Wednesday afternoons. In addition to the time required for course preparation, classroom instruction, and marking, the instructor is required to be available to meet with students after the Lab as needed.

FACULTY QUALIFICATIONS:

Applicants should have a PhD in Chemistry, with postdoctoral experience. He or she should have excellent practical skills and thorough knowledge and understanding of laboratory health and safety. It is expected that the post-holder will have a minimum of 2 to 3 years teaching at the university.
level and substantive laboratory teaching experience. Excellent oral and written communication skills are critical. Experience teaching American undergraduates is helpful.

APPLICATIONS:

Terms and conditions will be discussed with the successful applicant. Applicants should be EU national or currently hold a UK work permit before appointment. Applications, in the form of a C.V. and letter of interest should arrive no later than 21 December 2015, by e-mail to Luke Harper at luke.harper@nyu.ac.uk. We anticipate conducting interviews in early January 2016.