



National Center for Scientific Research "DEMOKRITOS" (NCSR)
Institute of Nanoscience & Nanotechnology (INN)
Patriarhou Gregoriou & Neapoleos, Aghia Paraskevi 15310, Athens-Greece

EXPERIENCED RESEARCHER (Post doctoral position)

Preparation and evaluation of cyclodextrin-based nanocarriers for antimicrobial applications

Funded by the EU Marie Curie Network *Cyclon-Hit* project # 608407 (FP7-PEOPLE-2013)

<http://itn-cyclonhit.eu/>

STARTING DATE: January 11, 2016 or according to agreement.

DURATION: 12 months

APPLICATION DEADLINE: December 10, 2015

BENEFITS: The successful candidate will enjoy a full employment contract with a **very competitive gross salary (>60000 euros)**, work at the [National Center for Scientific Research "Demokritos"](#), the largest Research Center of Greece located in the outskirts of Athens, and collaboration with top Institutions/laboratories in Europe.

REQUIREMENTS: A recent (strict eligibility rule: **≤5 years after the MSc degree, at the time of hiring, i.e. MSc obtained after January 2011 or ≤5 years research experience**) PhD (doctorate) degree in Chemistry or Pharmaceutical Sciences is required. Applicants should be preferably European Citizens (from EU Member States or Associated Countries) but also candidates from Third Countries are eligible. The applicants must not have resided or carried out their main activity (work, studies, etc) in Greece for more than 12 months in the 3 years immediately prior to recruitment. For more details, see: http://ec.europa.eu/research/mariecurieactions/index_en.htm. The ideal candidate will be a highly motivated person with a strong background in their field and aspiration to carry out challenging research. He/she must demonstrate deep understanding, competence and success in their previous research area as well as evidence of independent intellectual contribution to research projects. Moreover, the candidate should communicate very well in English in writing and in oral and visual presentations.

DESCRIPTION OF WORK: The recruited person will carry our research in the general area of nanomedicine with focus on cyclodextrin-based smart drug delivery systems in the [Laboratory of Structural and Supramolecular Chemistry](#) (<http://lssc.chem.demokritos.gr/>), NCSR. He/she will be involved in developing substituted/branched/targeted cyclodextrin derivatives for enhanced binding of antibiotics as well as synthesis of pro-drugs to maximize binding and delivery efficiency. Therefore the recruited person will be engaged in synthetic organic chemistry, purification techniques, structure elucidation and study of physicochemical properties. Moreover, the candidate will be required to follow the training program of CycloN-Hit, travel to collaborating laboratories for short secondments, present her/his research in biannual project meetings, conferences and in regular reports, and attend the summer schools and workshops organized by the project. Additionally, the suitable candidate should be able to adapt existing and act as a source of information on scientific protocols and experimental techniques, undertake comprehensive literature reviews and write up the results for publication in peer-reviewed journals, carry out collaborative projects with colleagues in partner research groups and help share responsibilities to keep the laboratory running efficiently.

HOW TO APPLY: A detailed CV and contact information of two referees, should be sent by e-mail to: Dr. K. Yannakopoulou, k.yannakopoulou@inn.demokritos.gr, Tel. +30-210-6503796. **The applicants should be prepared to participate in at least one interview via Skype.**