Postdoctoral Position in

Organic/Supramolecular Chemistry (ERC-StG project)

European Research Council
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The group of Dr. Javier Montenegro is seeking for a **Postdoctoral associate** with strong background in **Organic Chemistry** and/or supramolecular chemistry. This is an excellent opportunity to join **DYNAP**, a cutting-edge research funded by the ERC-Starting Grant.

The aim of **DYNAP** project is to identify, at the molecular level, the minimal topological and structural motifs that govern the membrane translocation of short peptides. A covalent reversible bond strategy will be developed for the synthesis of self-adaptive penetrating peptides (adaptamers) for targeted delivery.

DESCRIPTION

The applicant will work on the development of **novel membrane penetrating molecules** by implementing dynamic supramolecular and polymer chemistry.

REQUIREMENTS

We seek outstanding individuals with initiative, creativity and team-working ability and with a PhD in Organic Chemistry.
Training in peptide, supramolecular and/or polymer chemistry will be highly considered.
Good communication skills and proficiency in written and spoken English are essential.

REFERENCES

"*Cellular Uptake: Lessons from Supramolecular Organic Chemistry",* G. Gasparini, E.-K. Bang, J, Montenegro and S. Matile, *Chem. Commun.* **2015**, *51, 10389-10402.*

"*Single-nucleotide-resolution DNA differentiation by pattern generation in lipid bilayer membranes*" Priegue, J. M.; Montenegro,* J; Granja, J. R. *Small,* **2014**, *10,* 3613-3618.

"*Dynamic Amphiphile Libraries To Screen for the "Fragrant" Delivery of siRNA into HeLa Cells and Human Primary Fibroblasts*." Gehin, C.; Montenegro, J.; Bang, E.-K.; Cajaraville, A.; Takayama, S.; Hirose, H.; Futaki, S.; Matile, S.; Riezman, H. *J. Am. Chem. Soc.*, **2013**, *135,* 9295–9298.

STARTING DATE AND TERM

April 2016, 2 years contract (annual evaluation).

APPLICATIONS

Applications should be sent directly to Dr. Montenegro, javier.montenegro@usc.es, including a CV (maximum 2 pages), a complete list of publications and the name and the e-mail of two contact persons, indicating in the subject **DYNAP-01**.

DEADLINE

March 30th, 2016