

Postdoctoral Position Available at CiQUS University of Santiago de Compostela

Topic: Synthesis and characterization of nanographenes

Funding:

H2020-FETOPEN

SPRING: Spin Research in Graphene

Research consortium between nanoGUNE, TU Delft, USC, IBM, University of Oxford, DIPC

Research Group:

Prof. Diego Peña

Center for Research in Biological Chemistry and Molecular Materials (CIQUS)

<http://webspersoais.usc.es/persoais/diego.pena/>

<https://www.usc.es/ciqus/en/groups/commo>

Key precedents of the group related with the position:

[Exploring a route to cyclic acenes by on-surface synthesis](#)

F. Schulz, F. García, K. Kaiser, D. Pérez, E. Guitián, L. Gross, D. Peña
Angew. Chem. Int. Ed. **2019**, *58*, 9038.

[Single spin localization and manipulation in graphene open-shell nanostructures](#)

J. Li, S. Sanz, M. Corso, D. J. Choi, D. Peña, T. Frederiksen, J. I. Pascual
Nature Comm. **2019**, *10*, 200

[Bottom-up synthesis of multifunctional nanoporous graphene](#)

C. Moreno, M. Vilas-Varela, B. Kretz, A. García-Leuke, M. V. Costache, M. Paradinas, M. Panighel, G. Ceballos, S. O. Valenzuela, D. Peña, A. Mugarza
Science **2018**, *360*, 199.

[Decacene: On-surface generation](#)

J. Krüger, F. García, F. Eisenhut, D. Skidin, J. M. Alonso, E. Guitián, D. Pérez, G. Cuniberti, F. Moresco, D. Peña
Angew. Chem. Int. Ed. **2017**, *56*, 11945.

Duration of Contract:

1 year (extendable for three more years)

Applications should be sent by email to Prof. Diego Peña (diego.pena@usc.es) including, in one single PDF file:

- 1) Motivation letter
- 2) Brief CV
- 3) Contact details of two referees

Deadline: 22nd September 2019