Postdoc Vacancy
(Bilbao – Spain)

CIC bioGUNE
Biozientzietako Ikerkuntza Kooperatiboko Zentroa
Centro de Investigación Cooperativa en Biociencias

Structural Biology Unit – Abrescia's Lab.

The **Abrescia's Lab** at the Structural Biology Unit at the CIC bioGUNE, near Bilbao (Spain) (http://www.cicbiogune.es). is looking for a highly motivated Postdoc through the Subprograma Juan de la Cierva (MICINN-JDC) 2012 that supports 3 years competitive postdoctoral salary for recent PhDs.

The grant-call will be opened in January 2012 and it will close in February 2012.
The Juan de la Cierva programme is open to non-Spaniards.

Biological complexity is often associated with processes that require highly accurate and regulated protein interactions. Examples of such complexity can be found both in the molecular mechanism of "gene expression" (Figure 1) and/or in the assembly pathway of viruses (Figure 2).

Abrescia's Lab. uses both X-ray crystallography and cryo-EM to determine the structures of large macromolecular complexes and viruses. One line of investigation is directed to the understanding of virus structures, their assembly principles and to the virus-cell recognition mechanisms; the second line of research is focused on the elucidation of transcription initiation and regulation using Archaea as model system.

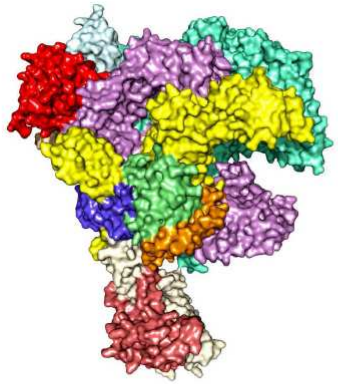

Figure 1.
Transcription machinery: Archaeal RNA polymerase structure solved by our group using X-ray Crystallography (coloured by the composing 13 subunits).

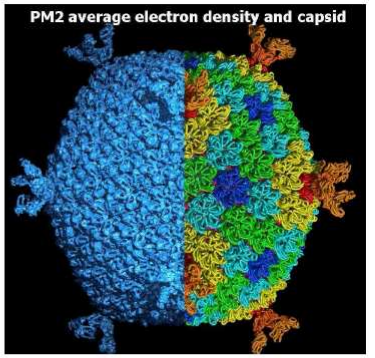

Figure 2.
Structure of bacteriophage PM2. Left, electron density (blue); Right, capsid represented as coil and colour-coded by composing protomers

Applicants should possess a PhD/DPhil in a relevant subject and highly interested or competent in electron microscopy and/or X-ray crystallography with particular emphasis on hybrid methods**.** Experience in molecular biology and biochemistry (cloning, protein purification etc.) is *a plus*.

To apply: Please send as a PDF your current CV including a brief description of research interests and accomplishments, and the names and addresses of two referees by email directly to: Nicola G. A. Abrescia. E-mail: nabrescia@cicbiogune.es

To find all the articles authored by Nicola G. Abrescia click PubMed