

Postdoctoral Fellowship: Structural Studies of a Xenobiotic Receptor

Job location:

Center of Paris, France.

Commencing date:

As soon as possible after March 1st 2011.

Job description:

Contamination of ecosystems and organisms by environmental pollutants are among the major health concerns of the twenty first century. Over the last decades, toxicities of some xenobiotics have been characterized. However, despite intensive research, our ability to predict the toxicity of persistent organic pollutants (POP) or of other toxic compounds (coming from food derivatives, other combustion products, etc...) is still limited.

Cellular receptors for xenobiotics are critical components that induce specific transcriptional responses from a large variety of chemicals and are intimately related to the toxicity of these compounds. Our group works on deciphering the inner working of pollutant receptors in order to better understand the effects of these transcription factors on oxidative stress and cancer.

We are now seeking a biochemist/structural biologist to further study these receptors. The successful candidate will be in charge in purifying, crystallizing and solving the structures of several of their domains in complex with either xenobiotics or DNA. Applicants should have a good expertise in protein expression and purification. In addition, a broad knowledge in molecular biology and/or X-ray crystallography will be a plus.

An initial contract of two years, renewable, will be offered to the successful candidate.

To apply, please send your CV, a cover letter, as well as names of three potential referees to pierre.nioche@gmail.com.