



**1st DEPARTMENT OF DERMATOLOGY & VENEREOLOGY
“A. SYGROS” HOSPITAL
NATIONAL AND KAPODESTRIAN UNIVERSITY OF ATHENS
SCHOOL OF MEDICINE**

May 4th, 2020

We are seeking for a highly motivated and talented scientist to work on the role of chemiexcitation in melanocyte function and melanoma development. The applicant will undertake research on photochemistry, UV photobiology and cell biology to understand how ultraviolet-induced DNA photoproducts develop within melanocytes and how they predispose to mutagenesis and oncogenic pathways that lead to melanoma or skin cancer.

The postholder will be based at the Department of Dermatology – Venereology, University of Athens Medical School, Andreas Sygros Hospital and will involve a fully supported 1- year fellowship at the Department of Dermatology at Yale University starting end of 2020/beginning of 2021.

The applicants should have a PhD in a relevant subject and background in chemistry or biochemistry. Previous experience in mammalian cell lines and in vitro systems and basic techniques of molecular biology (PCR, western blot, flow cytometry) and authorship or co-authorship of research work in peer-reviewed scientific journals would be highly appreciated. Applicants are also expected to have an excellent command of English (preferably demonstrated in a TOEFL score), work independently and be self-motivated. The duration of the post is 1-2 years and may also involve research conducted in collaborating centers abroad.

Related publications:

- Brash DE, Goncalves LCP, Bechara EJH; Excited-State Medicine Working Group. Chemiexcitation and Its Implications for Disease. *Trends Mol Med*. 2018 Jun;24(6):527-541.
- Premi S, Wallisch S, Mano CM, Weiner AB, Bacchiocchi A, Wakamatsu K, Bechara EJ, Halaban R, Douki T, Brash DE. Photochemistry. Chemiexcitation of melanin derivatives induces DNA photoproducts long after UV exposure. *Science*. 2015 Feb 20;347(6224):842-7.
- Delinasios GJ, Karbaschi M, Cooke MS, Young AR. Vitamin E inhibits the UVAI induction of "light" and "dark" cyclobutane pyrimidine dimers, and oxidatively generated DNA damage, in keratinocytes. *Sci Rep*. 2018 Jan 11;8(1):423. doi: 10.1038/s41598-017-18924-4

For enquires please send your CV and cover letter to: alstrat8@gmail.com.