

**European Society of Photobiology
Education and Training Program - Short-Term Fellowships 2004**

Report of Angela Chiaviello

I spent in Salzburg more than three weeks in the laboratory of Dr. Barbara Krammer. This period (precisely from September 20th to October 12th 2004) was selected on the basis of several considerations including availability of an apartment in a student guesthouse; personal familial constraints; availability of the Barbara Krammer team time; fellowship from the ESP.

During my short stay I learnt different techniques, that I had never previously used in my laboratory.

I participated in a research project about photodynamic effects on cultured cells using Real-Time-PCR and c-DNA Microarrays. In particular, I attended to the following lab works:

- photodynamic activation of A431 cell line with a dermatological lamp;
- RNA isolation from cells and conversion into c-DNA;
- primer design with Vector NTI.

I could also see labeling of photodynamically treated probes with P³³, spotting of c-DNA filter arrays, hybridization with hot labeled c-DNA, filter exposure and scanning.

Besides laboratory weekly seminars, I attended, with profit, a special lecture regarding DNA Microarrays delivered by specialized technical staff of Quiagen.

The purpose of my stage has been essentially cultural and I consider myself privileged being engaged in a project of the Barbara Krammer team. During this time my "*young know-how*" has been very much improved.

The accommodation in the University was extremely convenient being very close to the laboratory site.

This short term Fellowship has represented also a important experience because I have established tight relationship that will turn certainly useful in the near future for a collaboration with Dr. Krammer's workgroup. This will possibly represent the basis for a PDT "network" in Europe.

Finally, I consider this experience excellent not only because I had the chance to be exposed to an exciting scientific environment, but also because my personal relations with Dr. Barbara Krammer and her team, were excellent since the first moment.

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