

## **STSM Report**

I am an ophthalmologist and young researcher specialized in the field of plastic eye surgery, working at the University eye clinic Graz. I am applied for a short term scientific mission grant.

### **Purpose of the STSM**

Recently, a novel method for diagnosing lid tumors with the help of "Handheld in Vivo Reflectance Confocal Microscopy" (IVCM) has been established by researchers from St Etienne.

The clinical diagnosis of eyelid tumors is often challenging and surgical excision in this area may have functional as well as aesthetic consequences, additionally it could be technically challenging for surgeons. However, IVCM allows non-invasive diagnosis of cutaneous tumors with a sensitivity and specificity of 100% and 69.2%, respectively, for malignancy (basal cell carcinoma, squamous cell carcinoma, and melanoma)<sup>1</sup>.

Therefore the use of IVCM for the diagnosis of eyelid tumors seems to be of special interest to us as it can avoid unnecessary surgical excisions. The purpose of my stay was to learn the technique of IVCM to establish this new technique at my home clinic and to build up future research collaborations and

### **Description of the work carried out during the STSM and main results**


First I learned the theoretical basics of IVCM in Munich during a 2-day traineeship at the company MAVIG GmbH. Following I did an observer ship in June 2015 (17-27.6) at the dermatological department in St. Etienne, France to learn the clinical practise.

Dr Jean-Luc Perrot and Dr Bruno Labeille who are specialists in the field of IVCM were my supervisors. During my stay in St Etienne I had the chance to observe lots of confocal microscope examination of skin tumors such as: Basaliomas, melanomas, cysts, nevi of ota or squamosacell carcinomas. However beside these dermatological diagnoses I found a special ophthalmological-dermatological consultation very interesting. I had the chance to see fungal corneal ulceration diagnosed by IVCM as well as lot's of lid tumors and ocular melanosis. There also was a very special case of a "blue sclera" in a patient with Lobstein disease in which diagnosis I was involved – however this case is going to be presented at "Journées dermatologiques de Paris 2015" with me as a co-author.

### **Future collaborations and foreseen papers**

Beside this case report we decided to do further common research projects starting with a scientific paper about the IVCM discription of the nevus of ota.

Summarizing I had the great chance to learn possible applications, diagnoses and advantages as well as disadvantages of confocal microscopy. I met some really clever IVCM researcher from whom I learned a lot and made new interesting friendships. Furthermore we build up a scientific collaboration and already planed further research projects.



Dr. Christoph Schwab

---

<sup>1</sup> Cinotti E. et al; The role of in vivo confocal microscopy in the diagnosis of eyelid margin tumors: 47 cases. J Am Acad Dermatol. 2014 Nov;71(5):912-918.e2. doi: 10.1016/j.jaad.2014.05.060. Epub 2014 Jul 3.

<b>STSM application number</b>	<b>Home institution and country</b>	<b>Host institution and country</b>	<b>BM1205 WG</b>	<b>Objective of the collaboration</b>	<b>Results of the collaboration</b>
COST-STSM-BM1205-27770	Department of Ophthalmology, University Hospital Graz	Hôpital Nord Dermatologie Vénérologie	WG 4	Learning the use of Confocal Reflectance Microscopy in the evaluation of skin lesions and to build up scientific collaborations	Planned research publication  Preparation of one joined congress poster presentations for the conference "Jounees dermatologiques de Paris"

Professeur Frédéric  
CAMBAZARD

Docteur Jean-Luc PERROT  
Docteur Bruno LAZILLIÈRE  
Docteur Anne-Catherine  
RIBON-SCHNIDER  
Docteur Amaury LECLEERCQ  
Docteur Elise CROTTI  
Psychologue : P. GARNIER

Allergologie cutanée  
Chirurgie Dermatologique  
Cancérologie cutanée  
Culchicrevellé  
Dermatologie  
Dermatologie Pédiatrique  
Explorations fonctionnelles  
cutanées  
Pathologie des ongles  
Pathologie des muqueuses  
Pharmacologie  
Tuberculose - Mycobactéries  
Troubles tropicaux

Unité de Recherche  
Epidémiologie de  
Cancérologie  
Dermatologique

Hôpital Lignier du  
Mylançais

Hospitalisation complète  
Tél : 04 77 82 83 84

Hospitalisation de jour  
Tél : 04 77 12 02 94



011 4655 420 764 278

SERVICE DE DERMATOLOGIE,  
VENERÉOLOGIE ET CANCÉROLOGIE  
Unité de Recherche EA4607  
Hôpital NORD  
42055 Saint-Étienne cedex 2  
Tél : 04 77 82 83 83  
Fax : 04 77 82 84 01  
E-mail : chu.saint-etienne@chu-st-etienne.fr

24/07/2015

**Confirmation:**

Herewith I would like to confirm the completion of the STSM applied by Christoph Schwab.

During this Short Term Scientific Mission, the applicant (Dr. Christoph Schwab) joined the experts from the Division of Dermatology, St Etienne, France - Dr. J.P. Perrot and his co-workers during their everyday clinical practice and participated in the evaluation of skin lesions implementing dermoscopy and

Reflectance Confocal Microscopy. The Host and the applicant prepared one joint conference poster presentations for the JDP (Journées dermatologiques de Paris) which will be held in December 2015 in Paris, France.

We also discussed cases for further scientific collaborations regarding a description and certain skin lesions.

Dr. J.P. Perrot

**Dr. J.L. PERROT**  
Dermatologie  
Hôpital Nord  
CHU de Saint-Etienne  
42055 Saint-Etienne Cedex 2  
Téléphone : 1605871776

**CHU de Saint-Etienne**  
Hôpital NORD  
DERMATOLOGIE  
42055 SAINT-ETIENNE CEDEX 2