

# Report of the Gordon Signy Foreign Fellowship 2012

World Pathology Foundation

By

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Brazil

**Institution:**

Barcelona University – Barcelona Clinic Hospital – Pathology Department

**Supervisor:** ELIAS CAMPO, MD, PhD**Duration:** January 30, 2012 - April 30, 2012.**Nature of training:** Internship in hematopathology

I arrived at the CLINÍC Hospital on January 30, and I was received by Dr. Elias Campo. He introduced me to the Department of Pathology (DP) as well as four other trainees (from Colombia, Panama, Switzerland and Spain) and two other hematopathologist assistants (Dr. Toni Martinez and Dr. Luis Colomo). At this time I also met the service of immunohistochemistry and the Department of Molecular Pathology, also part of the sector but linked to the DP and which Dr. Elias Campo is the director. This department has carried out molecular tests (PCR and FISH) and cytogenetic studies that complement the assessment of cases that reach the DP.

During the week I and the other interns evaluated together in a ten-headed microscope, all cases of hematopathology routine. These cases were both from the hospital itself, as well as cases sent to Dr. Elias as query from various places in the world (e.g. Brazil, Colombia, Costa Rica, Bolivia, Portugal, Greece, Turkey, Ukraine...) and all Spain. We discussed the cases and arrived at an initial diagnosis; we asked for immunohistochemical examination and when necessary also we asked FISH and clonality.

In a second step, these cases were evaluated with hematopathologist responsible for each case (or Dr. Toni or Dr. Luis or Dr. Elias). At this time we discussed the cases, differential diagnosis, diagnostic difficulties, evaluation and interpretation of immunohistochemistry, as well as the need to expand the immunohistochemical panel in specific cases. When the diagnoses were closed, we shared each of the cases and made a report which was then corrected by hematopathologist responsible.

I also attended meetings of the hematopathology group. On Monday we had meeting with Dr. Elias to discuss the most interesting cases from the previous week. On Tuesday the meeting was to discuss and interpret molecular tests (clonality, FISH and karyotype). On Wednesday meeting we had presentation of bone marrow cases in the ten-headed microscope. On Thursday meeting was about anatomo-clinical cases with the hematologists for presentation of clinical cases and literature review. Besides of my training specifically, I participated of several surgical pathology rounds, conferences and other educational activities from the regular academic schedule of the DP.

In addition to the activities I've commented earlier, I had the opportunity to begin the implementation of two projects that will result in the submission for two scientific papers. To evaluate the tumor microenvironment in non-Hodgkin lymphoma mantle cell and the other for evaluation the clonality of T lymphocytes related Kikuchi-Fujimoto disease.

This internship gave me the opportunity to get in touch with the activities of a top research institution in Europe, in lymphoma diagnosis and research. I also had the opportunity to learn a new language (Spanish). I think I kept my goals during the internship and will apply this knowledge in my country especially in the Amazon region where I will be working next year.

I would like to thank the doctors Elias Campo, Toni Martinez and Luiz Colomo whose knowledge taught me in these three months as well as the extreme cordiality with which I received during this period. Also many thanks the WASpALM / WPF for this great opportunity to my professional career and also to state that this initiative is a very important contribution to improve the quality of pathologists in developing countries.

Sincerely,  
Carlos Augusto Moreira Silva.  
Dated: May 20, 2012