

**ESP Advanced training center for Breast and Gynaecological Pathology  
(Department of Women's Pathology)**

**Name of the centre:** Corporació Sanitària Parc Taulí, Sabadell – UDIAT (Unitat de Diagnòstic per Imatge d'Alta Tecnologia) - Centre Diagnòstic, S.A. - Universitat Autònoma de Barcelona.

**Chair of the Pathology Centre:** Joan Carles Ferreres, MD, PhD

**Heads of the training programme:** F Javier Andreu, MD, PhD (Breast Pathology Unit); Irmgard Costa, MD, PhD (Gynaecology Pathology Unit), and Melcior Sentís, MD (Women's Imaging Unit).

**Details about specific areas in which training can be offered:**

Our centre diagnoses and treats over 500 new primary breast and gynaecologic cancers per year. We use a wide variety of tools for preoperative diagnoses (FNAC, ultrasound, stereotaxic and MR core-needle biopsies, vacuum-assisted core biopsies, enblock-biopsies), and we also have access to state-of-the-art diagnostic tools (molecular staging by OSNA, immunohistochemistry, in situ hybridization, pyrosequencing and qPCR, material from a large tissue bank since 1998, etc.). Our group manages a well-established large population-based breast cancer screening programme and coordinates different research projects (our gynaecology team coordinates a multi-institutional network about molecular staging by OSNA on endometrial carcinoma, or different projects about molecular aspects of breast carcinoma – EGFR and PIK3CA mutation in triple-negative breast cancer, hypermethylation of BRCA1 promoter in sporadic triple-negative breast cancer, breast and endometrial cancers in Lynch Syndrome, etc). Applicants will have the opportunity to collaborate in some of these projects, and are encouraged to design and carry out their own new projects.

We are active members of the National Breast and Gynaecologic Cancer Work Groups, and we collaborate in the University of Barcelona's renowned Master in Breast Pathology. We are also active in the Catalan Intensive Breast Pathology Course and have participated in the Autonomous University of Barcelona's Cellular Biology Master (cancer module) since 2005.

Applicants will actively participate in multidisciplinary case management, with emphasis on presurgical evaluation and radiopathological correlation, with large-format slides, digital workstations, and standardized preanalytical and analytical protocols.

Our group is organizing the Breast Pathology Course of the European School of Pathology, to be held in Sabadell in April 2017, and applicants' collaboration will be welcome.

**Positions offered for each year**

A total of two (not simultaneous) applicants per year for a minimum of 3 months (preferably extended to 6 months).

### **Specific periods of the year when the visit may be realized**

There are no restrictions on the period of the year, but applicants should inform us of their intentions at least two months before the start of their stay so we can prepare to accommodate them.

### **Contact address for requesting details by the applicant (accommodation options, travel possibilities, etc.)**

F Javier Andreu, MD, PhD.  
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Parc Taulí, 1  
08202 – Sabadell  
Email: [xandreu@tauli.cat](mailto:xandreu@tauli.cat)

The Parc Taulí is a university hospital located in Sabadell, a medium-size city, and serves a population of about 500,000 inhabitants. Conveniently located near the Autonomous University of Barcelona and twenty minutes by train, bus or metro from the center of Barcelona.

Our hospital Foundation's Office can help with all kinds of paperwork as well as with accommodations.

*A Sáez, FJ Andreu et al.*

*HER-2 gene amplification by chromogenic in situ hybridisation (CISH) compared with fluorescence in situ hybridisation (FISH) in breast cancer. A study of two hundred cases.*

*Breast 2005; 15(4): 519-527.*

*M Baré, X Bonfill and FJ Andreu.*

*Relationship between the method of detection and prognostic factors for breast cancer in a community with a screening programme.*

*J Med Screen 2006; 13(4): 183-191.*

*FJ Andreu et al.*

*Breast core biopsy reporting categories: An internal validation in a series of 3054 consecutive lesions.*

*Breast 2007; 16(1): 94-101.*

*LA Fernández Morales, MA Seguí, FJ Andreu et al.*

*Analysis of the pathologic response to primary chemotherapy in patients with locally advanced breast cancer grouped according to estrogen receptor, progesterone receptor, and HER2 status.*

*Clin Breast Cancer 2007; 7(7): 559-564.*

*I Méndez, FJ Andreu et al.*

*Ductal Carcinoma In Situ and Atypical Ductal Hyperplasia of the Breast diagnosed at Stereotactic core biopsy.*

*Breast J 2001; 7(1): 14-18*

*A Massuet, S Fernández, J Rimola, FJ Andreu et al.*

*Metaplastic breast carcinoma: magnetic resonance imaging and radiologic-pathologic correlation [in Spanish].*

*Radiologia 2006; 48(3): 155-163.*

*P Nuciforo, S Thyparambil, C Aura, A Garrido-Castro, M Vilaro, V Peg, J Jimenez, R Vicario, F Cecchi, W Hoos, J Burrows, T Hembrough, J C Ferreres et al.*

*High HER2 protein levels correlate with increased survival in breast cancer patients*

*treated with anti-HER2 therapy.*

*Molecular Oncology (2015), doi: 10.1016/j.molonc.2015.09.002.*

*E. Escrich, M. Solanas, R. Moral, I. Costa, et al. Are the olive oil and other dietary lipids related to cancer? Experimental evidence.*

*Clinical and Translational Oncology, 2006; 8: 868-883.*

*I Costa, R. Moral, M. Solanas, FJ. Andreu et al. High corn oil and extra virgin olive oil diets and experimental mammary carcinogenesis: clinicopathological and immunohistochemical p21Ha-Ras expression study.*

*Virchows Archiv, 2011; 458: 141-151.*

*Manzanares MA, Solanas M, Moral R, Escrich R, Vela E, Costa I, et al. Dietary extra-virgin olive oil and corn oil differentially modulate the mRNA expression of xenobiotic-metabolizing enzymes in the liver and in the mammary gland in a rat chemically induced breast cancer model.*

*Eur J Cancer Prev 2015; 24(3): 215-22.*