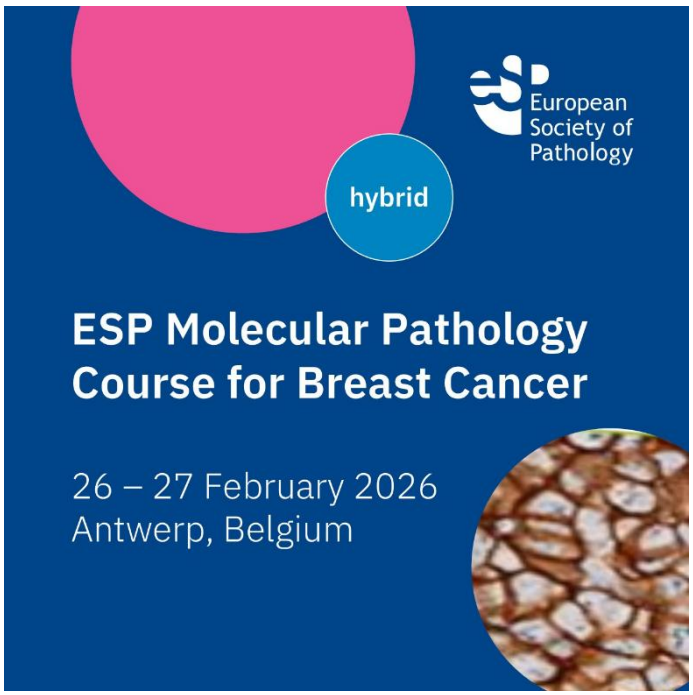
European Society of Pathology

Headquarters: Square de Meeûs 18, 1000, Brussels Belgium
Tel: +32 2 520 80 36, Email: admin@esp-pathology.org
www.esp-pathology.org

ESP (hybrid) Molecular Pathology course for Breast Cancer

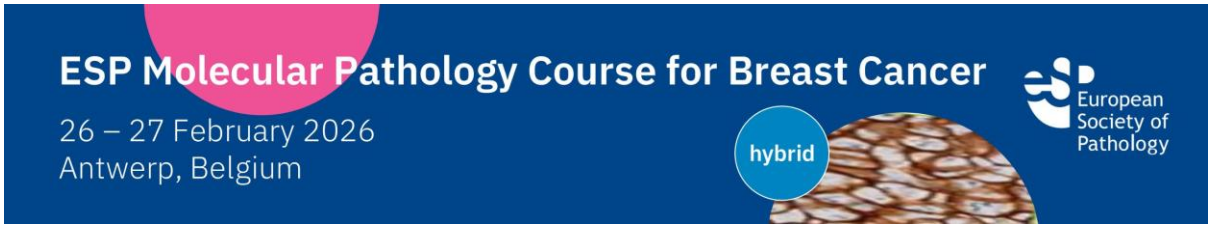


Working course title: **Integrating Morphological and Molecular Pathology into Breast Cancer Care: From Basic Classification to Advanced Technologies**

Venue: Crowne Plaza Antwerp by IHG
Address: Gerard le Grellelaan 10, 2020 Antwerpen, Belgium

Dates: 26-27 February 2026

Faculty:
Prof. Frederique Penault-Llorca, France
Prof. Roberto Salgado, Belgium
Prof. Caterina Marchio, Italy
Prof. Magali Lacroix-Triki, France



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Attendance: This is a course with hybrid attendance; Sessions will be recorded
Course language: The course will be provided in English

Registration fees:
Onsite attendance:
For the course programme only*:
ESP members (with active membership for 2025 and/or 2026): **350 Euro**
Non-ESP members: **400 Euro**

For both the course programme and the social event (networking buffet dinner at the course venue):
ESP members (with active membership for 2025 and/or 2026): **380 Euro**
Non-ESP members: **440 Euro**

There is no option for on-site registrations/payments.
The available slots will be allocated on a first-come, first-served basis.

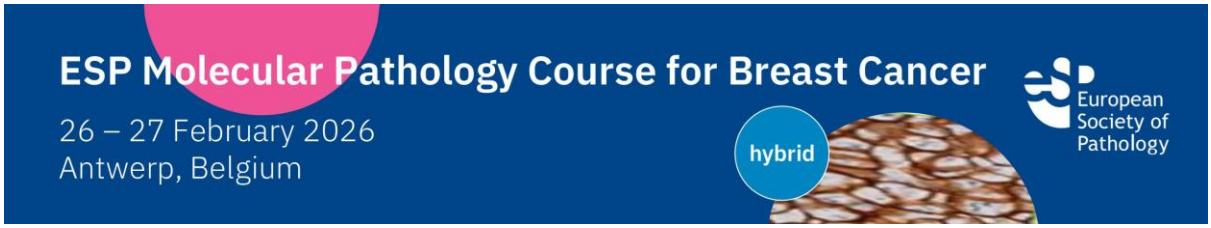
Online attendance:**
ESP members (with active membership for 2025 and/or 2026): **180 Euro**
Non-ESP members: **250 Euro**

Deadline to register: **12 February 2026**

*Registration for the onsite course programme includes access to the course venue, coffee breaks and lunches, access to the online platform with the course material and recordings, and a personalised certificate of attendance.

**Registrations for the online course programme includes live access for the course sessions, access to the platform with the course material and recording, and access to a personalised certificate of attendance.

For any questions, contact the ESP HQ, at admin@esp-pathology.org having as email subject "**MolPath Breast 2026**".



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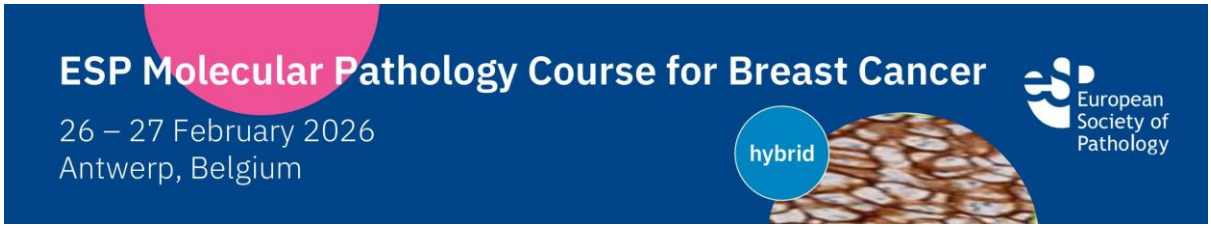
Overall Learning Objectives:

Upon completion of this two-day workshop, participants will be able to:

- **Understand the fundamental morphological classification** of invasive and non-invasive breast cancer, with a focus on special histological types.
- **Grasp the principles of intrinsic molecular classification** (Luminal A/B, HER2-enriched, Basal-like) based on genomics and IHC proxies, including other relevant classifications.
- **Comprehend the practical application of prognostic signatures** (Oncotype DX, MammaPrint, Endopredict, Prosigna) in breast cancer management.
- **Identify key biomarkers** relevant to ER+/HER2- metastatic breast cancer, including resistance mutations and pathway alterations.
- **Understand the role and interpretation of immunotherapy biomarkers** (PD-L1, MSI, TMB, TNBC-RISK) in breast cancer.
- **Recognize the significance of HER2+ predictive signatures** in breast cancer.
- **Master essential molecular pathology techniques** such as IHC, ISH, PCR, NGS, liquid biopsy, and germline testing for BRCA and PALB2.
- **Gain insights into emerging technologies** like Artificial Intelligence (AI) in breast pathology and Spatial Transcriptomics with single-cell RNA sequencing, and their potential applications.
- **Apply their knowledge** through the analysis and discussion of complex breast cancer cases, including lobular carcinoma, phyllodes tumor, metaplastic carcinoma, adenoid cystic carcinoma, NTRK-positive breast cancer, and MSI-high cases, incorporating liquid biopsy strategy in different settings.

Target Audience:
The course is designed primarily for pathologists (board certified or during training) who work on breast pathology. Health Care Professionals, like oncologists, nurses, molecular biologists, medical scientists, etc, are also welcome to register.



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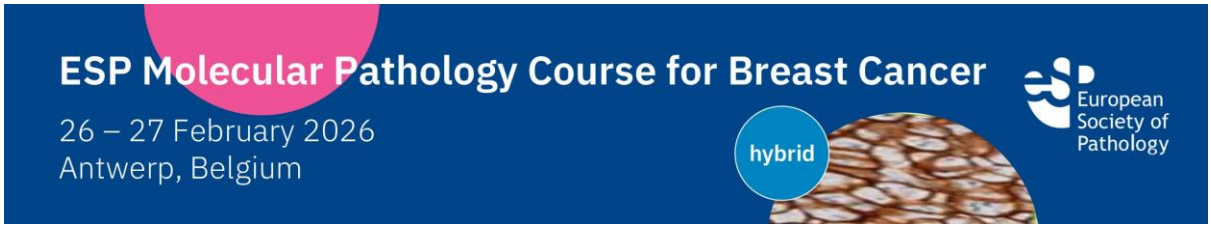
Course Programme

All times are for local time in Antwerp, Belgium

Day 1 – 26 February 2026			
Morphological and molecular foundations of breast cancer			
Time	Duration(min)	Topic	Speaker
08:00	30	Arrivals and registrations	
08:30	30	Welcome from ESP and introduction to the course and its Objectives	Christos Poulios
09:00	60	Basics of Morphological Classification of Breast Cancer: Invasive Histological Types - focus on special types – hereditary breast cancer	
10:00	30	Coffee Break	
10:30	90	Basics of Intrinsic Molecular Classification of Breast Cancer (Luminal A/B, HER2-enriched, Basal-like): Genomics and Proxy IHC - other classifications	
12:00	60	Lunch Break	
13:00	60	Introduction to Prognostic Signatures (Oncotype DX, MammaPrint, Endopredict, Prosigna): how it works in practice	
14:00	60	Biomarkers of ER+/HER2- Metastatic Breast Cancer: Resistance mutations (*ESR1*), Oncogenic pathway, (*PIK3CA/AKT1/PTEN*), DNA repair pathways (*BRCA, PALB2*)	
15:00	30	Coffee Break	
15:30	45	Biomarkers of Immunotherapy in Breast Cancer: TILS, PD-L1 (evaluation, thresholds), MSI, TMB and TNBC-Dx	
16:15	45	HER2+ predictive signatures in breast cancer biomarkers HER2-Dx, HER2 mutations	
19:00-21:00	120	Buffet dinner with the Faculty at the venue	Registration mandatory



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Day 2 -27 February 2026			
Basic techniques Advanced Applications and Emerging Technologies			
Time	Duration(min)	Topic	Speaker
09:00	60	Techniques to be mastered IHC, ISH, PCR, NGS liquid biopsy, Germinal status *(BRCA PALB2)*	
10:00	60	Emerging Techniques: Artificial Intelligence (AI) in Breast Pathology (Detection, Classification, Prognosis, Quantification)	
11:00	30	Coffee Break	
11:30	60	Case-based discussion in breast cancer (lobular cancer, phyllodes tumour vs metaplastic breast cancer, adenoid cystic carcinoma)	
12:30	90	Lunch Break	
14:00	75	Emerging Techniques: Spatial proteomics and transcriptomics – Principles, Methodologies and Potential Applications in Breast Cancer Single cell RNA seq + lessons learned from rapid autopsy programs	
15:15	30	Coffee Break	
15:45	60	Case-based discussion in breast cancer Application of liquid biopsy, NTRK breast cancer, MSI case	
16:45	15	Summary of the course (short summary of the talks and take-home messages)	
17:00		End of the course	

ESP has applied to UEMS/EACCME for the CME accreditation of the course