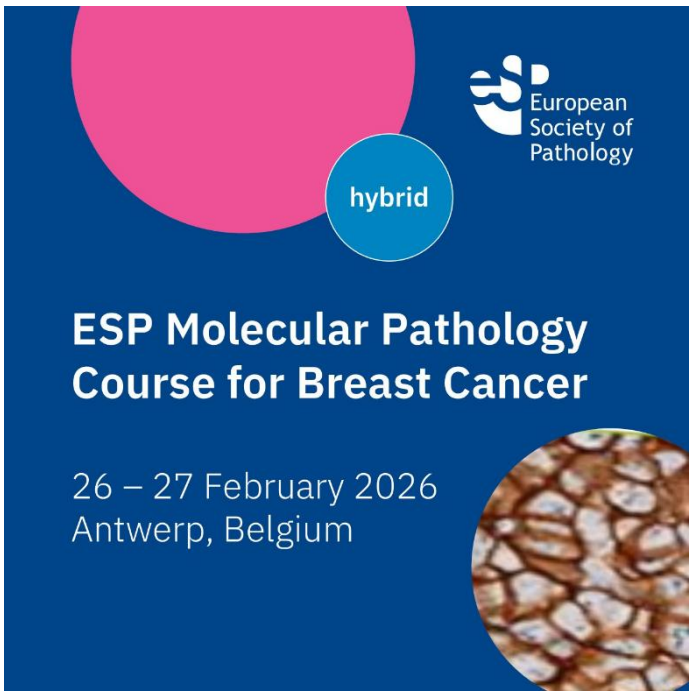
European Society of Pathology

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

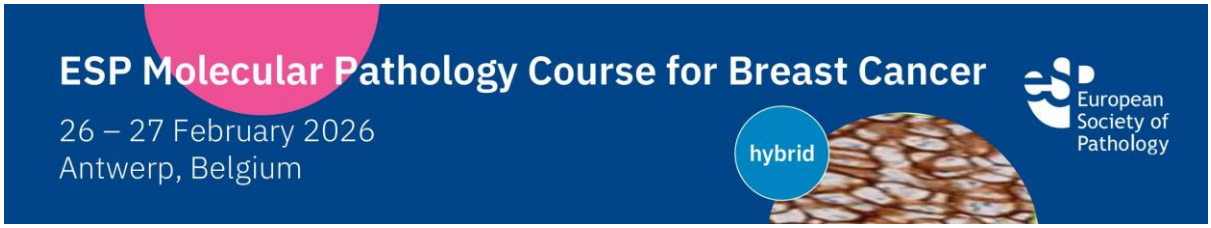


Working course title: **Integrating Morphological and Molecular Pathology into Breast Cancer Care: From Basic Classification to Advanced Technologies**

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**

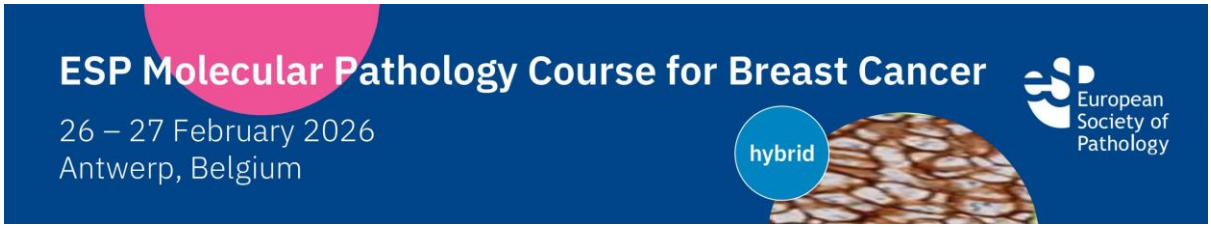
There is no option for on-site registrations/payments.
The available slots will be allocated on a first-come, first-served basis.

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

*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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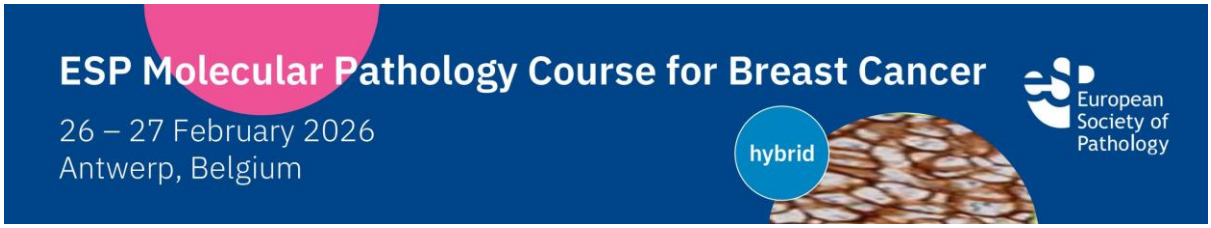
Overall Learning Objectives:

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, other rare subtypes of breast cancer, 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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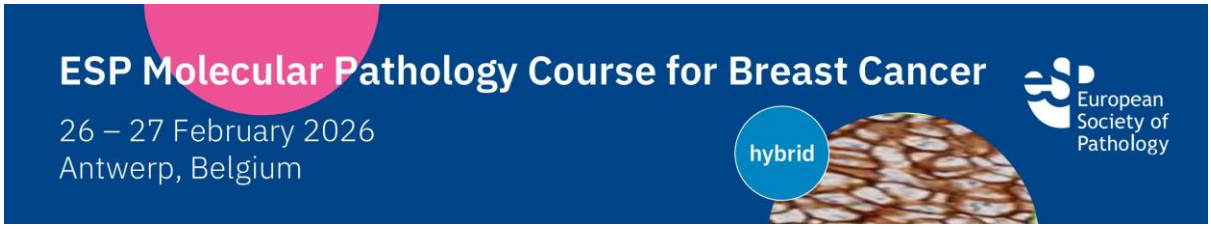
Course Programme

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	Magali Lacroix-Triki
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 – cases for discussion	Caterina Marchio
12:00	60	Lunch Break	
13:00	60	Introduction to Prognostic Signatures (Oncotype DX, MammaPrint, Endopredict, Prosigna): how it works in practice	Magali Lacroix-Triki
14:00	60	Biomarkers of ER+/HER2- Metastatic Breast Cancer: Resistance mutations (*ESR1*), Oncogenic pathway, (*PIK3CA/AKT1/PTEN*), DNA repair pathways (*BRCA, PALB2*)	Frédérique Penault-Llorca
15:00	30	Coffee Break	
15:30	45	Biomarkers of Immunotherapy in Breast Cancer: TILS (including how I do, and differences between TNBC, HER2 and luminal),, PD-L1 (evaluation, thresholds), MSI, TMB and TNBC-Dx	Roberto Salgado
16:15	45	HER2+ predictive signatures in breast cancer biomarkers HER2-Dx, HER2 mutations (including some images and discussions on HER2 low/UL)	Caterina Marchio
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)*	Caterina Marchio Frédérique Penault-Llorca
10:00	60	Emerging Techniques: Artificial Intelligence (AI) in Breast Pathology (Detection, Classification, Prognosis, Quantification)	Magali Lacroix-Triki Roberto Salgado
11:00	30	Coffee Break	
11:30	60	Case-based discussion in breast cancer	All faculty
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	Caterina Marchio Frédérique Penault-Llorca
15:15	30	Coffee Break	
15:45	60	Case-based discussion in breast cancer	All faculty
16:45	15	Summary of the course (short summary of the talks and take-home messages)	All faculty
17:00		End of the course	

The **ESP Molecular Pathology Course for Breast Cancer – Antwerp 2026, Antwerp, Belgium 26/02/2026 – 27/02/2026**, has been accredited by the European Accreditation Council for Continuing Medical Education (EACCME®) with **11.0** European CME credits (ECMEC®s). Each medical specialist should claim only those hours of credit that he/she actually spent in the educational activity."
Through an agreement between the Union Européenne des Médecins Spécialistes and the American Medical Association, physicians may convert EACCME® credits to an equivalent number of AMA PRA Category 1 CreditsTM. Information on the process to convert EACCME® credit to AMA credit can be found at https://edhub.ama-assn.org/pages/applications.
Live educational activities, occurring outside of Canada, recognised by the UEMS-EACCME® for ECMEC®s are deemed to be Accredited Group Learning Activities (Section 1) as defined by the Maintenance of Certification Program of the Royal College of Physicians and Surgeons of Canada.
CME points will be provided for accessing the course in person and online.
CME certificates for online delegates will be issued after the on-demand period ends (please find more information in the tab "Course Overview"). There will be no CME credits for delayed viewing of the course recordings.
Registered participants attending the course on-site will receive information on how to claim CME credits at the course venue. For delegates attending online, participation will be tracked through the viewing platform.