

Nottingham & Singapore Breast Pathology Online Masterclass

Faculty

Professor Emad Rakha

Course Director

Dr Emad Rakha is Professor of Breast Pathology and Consultant Pathologist at University of Nottingham and Nottingham University Hospitals Trust. He is a Senior Consultant at Hamad Medical Corporation, Qatar and Adjunct Professor in two other universities.

Dr Rakha has developed, with Professor Ian Ellis, a national and international consultation breast pathology referral practice in Nottingham with more than 350 referral cases per year. He is the co-chair of the UK External Quality Assurance (EQA) Scheme and a member of several national and international committees in breast pathology, biobanking and screening.



Dr Rakha leads the Breast Pathology Research Group (BPRG), which has a national and international reputation for its research in diagnosis, classification of breast diseases, evaluation of clinical outcomes and understanding the mechanisms governing hormone response and cancer cells' spread in breast cancer. The research team works with significant grants and partners to pioneer the digitisation of breast pathology using artificial intelligence to develop diagnostic and prognostic tools.

He has published over 500 publications in peer reviewed journals. He has written the UK national HER2 guidelines and has contributed to other breast pathology national guidelines and textbooks including the UK RCPPath Breast Datasets and the WHO Blue Book.

Dr Rakha leads the annual Nottingham Breast Pathology Masterclass and regularly contributes to other breast pathology training courses worldwide, lectures at national and international courses and scientific meetings.

Professor Puay Hoon Tan

Course Director

Dr Puay Hoon Tan is the pathologist at Luma Women's Imaging Centre / Luma Medical Centre. She is a key opinion leader in breast and urologic pathology, with active academic involvement in these pathology subspecialties.

Being a passionate researcher, Dr Tan has published widely with over 500 peer reviewed scientific papers. She was a Standing Editorial Board Member for the 5th series of the WHO Classification of Tumours, IARC, Lyon, and was also an expert member for the Breast (2019) and Genitourinary (2022) volumes in this latest series. She was a Volume Editor for the WHO Classification of Tumours of the Breast 4th series (2012).



Apart from a busy service largely focused on subspecialty surgical signouts, she has collaborated with many clinicians in translational studies of breast and prostate cancer. She participates regularly in regional and international meetings.

Her research interests in breast pathology centre around the classification of breast fibroepithelial lesions and their molecular pathogenesis, triple negative breast cancers, and ductal carcinoma in situ. In urologic pathology, she is engaged in prostate and renal cancer studies.

Dr Tan has held several international and regional leadership positions and is internationally recognised. She is a Past President of the International Society of Breast Pathology (ISBP), the immediate Past Convenor of the Assembly of the Asia-Pacific International Academies of Pathology, the immediate Past President of the Asian Breast Diseases Association and was a previous Councillor for Asia of the International Society of Urological Pathology. She was conferred the Norton-ISBP award in 2020 for excellence in breast pathology.

Professor Edi Brogi

Dr Edi Brodi is Director of Pathology at Memorial Sloan Kettering Cancer Centre.

She trained in anatomic pathology at the Massachusetts General Hospital in Boston, followed by two additional years as chief resident/ graduate assistant with sign-out privileges and cytopathology fellow at the same institution. In July 2000, Dr Brogi joined the staff at Memorial Sloan Kettering Cancer Centre in New York and has been practising there since.

Dr Brogi's professional and research activities focus exclusively on the diagnosis, treatment, and study of breast diseases, particularly breast carcinoma. She is recognised as an expert in the field nationally and internationally.



Dr Brogi was a member of the USCAP Education Committee from 2012-2016. She was an Officer of the International Society of Breast Pathology from 2012-2016, and president of the society from 2017-2019. She currently serves on the editorial board of two journals.

Dr Brogi has published nearly 200 original articles, review articles, and book chapters predominantly focused on breast diseases. She is an expert member of the editorial board of the World Health Organization Blue Book on the Classification of Breast Tumors (5th Edition). She is also associate editor of Rosen's Breast Pathology textbook (4th edition, 2014), and Rosen's Breast Pathology by Needle Core Biopsy textbook (4th edition, 2017).

Professor Ian Ellis

Dr Ian Ellis is Professor of Cancer Pathology at Nottingham University and Honorary Consultant Pathologist at Nottingham City Hospital.

He has been involved in the practice of pathology for forty years and has an international reputation in clinical and translational research in breast disease, particularly classification and molecular pathology of breast cancer and evaluation of prognostic factors.

He has authored over 750 peer reviewed scientific publications, chapters in medical textbooks and specialist textbooks in pathology and is an experienced lecturer, being a founder member of the faculty of the Nottingham Blamey International Breast Education Centre. His H Index is 103.



Dr Ellis is a Past President of the Pathological Society of Great Britain and Ireland. He has been Specialty Advisor to The Royal College of Pathologists and is past Chairman of the UK National Co-ordinating Committee for Breast Pathology. He has acted as an advisor to the DoH, UICC, WHO and IARC. He is Medical Director of Source Bioscience plc.

Professor Maria Pia Foschini

Dr. Maria Pia Foschini is a Professor of Anatomic Pathology at the University of Bologna. She also serves as Director Histopathologist in the Section of Anatomic Pathology within the University's Department of Biomedical and Neuromotor Sciences, based at Bellaria Hospital in Bologna.

A surgical pathologist by training, she specialises in breast as well as head and neck diagnostics. She serves on the editorial boards of several international journals and major reference works, including the World Health Organisation (WHO) Classification of Tumours of the Breast (2012 and 2019), the WHO Blue Book, and Head and Neck Tumours (2017 and 2022).

Her research focuses primarily on breast and head and neck tumours, and she has authored more than 260 publications indexed in [PubMed](#).



Dr Elena Provenzano

Dr Elena Provenzano is Lead Breast Histopathologist for the Cambridge Breast Unit at Addenbrooke's Hospital.

She undertook a PhD looking at the biology of DCIS and completed her pathology training in Melbourne, Australia in 2005, before moving to the UK to undertake a breast fellowship in Cambridge. Her current role combines clinical work and research, with key interests in the molecular taxonomy of breast cancer and assessment of tumour response to neoadjuvant therapy.

Dr Provenzano participated as a member of the BIG/ NABCG Residual Disease Working Group composing international guidelines for assessment of breast cancer post neoadjuvant chemotherapy. She is a co-investigator and pathology lead for several breast cancer trials that include Neo-TANGO, ARTemis, PARTNER, PRIMETIME, PIONEER and Neo-RT.

She has maintained an interest in DCIS and more recently became one of the pathologists involved with the Sloane Project examining the characteristics and outcomes of pre-invasive lesions identified through the NHS Breast Screening Programme. Elena is a member of UK National Coordinating Committee for Breast Pathology and the Clinical Trials subgroup of the NCRI CM-Path Initiative.



Professor Cecily Quinn

Dr Cecily Quinn is a Consultant Histopathologist at St. Vincent's University Hospital (SVUH), Dublin, Ireland, and Clinical Full Professor at University College Dublin (UCD) School of Medicine and Medical Sciences. She is Lead Histopathologist at the Merrion Unit of the Irish National Breast Screening Programme.

Dr Quinn graduated from University College Galway in 1982. She trained at the Hammersmith Hospital and Royal Postgraduate Medical School in London and was Consultant Breast Histopathologist at The General Infirmary at Leeds and Honorary Senior Lecturer at the University of Leeds until 1999 when she took up her present post.



She is Chair of the European Working Group for Breast Screening Pathology (EWGBSP), Chair of the European Reference for Quality Assured Breast Screening and Diagnostic Services (EUREF) Pathology Subgroup and Clinical Vice-chair of the European Cancer Initiative for Breast Cancer (ECIBC) Guideline Development Group (GDG). Prof. Quinn is a member of the Irish National Quality Assurance Breast Screening Committee and attends the United Kingdom National Health Service Breast External Quality Assurance Committee.

Her research interests include the pathology of early neoplastic lesions of the breast, and prognostic and predictive markers in invasive breast cancer. She is a member of the HER2 and Triple Negative Research Group at SVUH and the Translational Oncology Group at UCD. She is a member of the International Editorial Advisory Board of Histopathology and reviews papers for several journals. Prof. Quinn is co-author of Irish, UK and the International Collaboration on Cancer Reporting (ICCR) breast pathology guidelines. She has over 130 publications in peer-reviewed journals.

Professor Abeer Shaaban

Dr Abeer Shaaban is a specialist breast pathologist at Queen Elizabeth Hospital Birmingham and Honorary Senior Lecturer at the University of Birmingham. She trained in anatomic pathology in Liverpool, Birmingham and Leeds. She completed her PhD in molecular pathology at the University of Liverpool with the late Prof John Sloane.

She has led a number of research studies and contributed to breast cancer trials as co-investigator, member of a Trial Management Group and as a central pathology reviewer. She was member of the NCRI Breast CSG for two terms and acted as chair of the Translational Subgroup of the NCRI Breast CSG for 5 years. She has published over 110 peer reviewed papers and contributed a number of book chapters including in the WHO Blue Book for Breast tumours 2019. She co-edited a textbook of molecular pathology entitled "Molecular pathology for the practising surgical pathologist and cytopathologists"

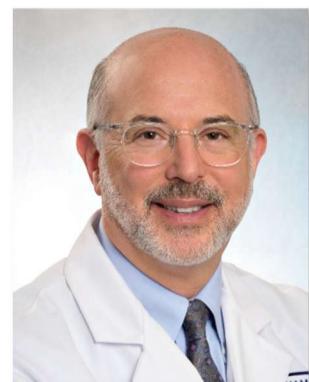
Dr Shaaban led the Cellular and Molecular Pathology initiative (CM-PATH) Workstream 2 (clinical trials). She served as member of the International Committee of The Royal College of Pathologists and is Breast screening advisor (PCA) for Public Health England in the West Midlands.



Professor Stuart Schnitt

Stuart J. Schnitt, M.D is Chief of Division of Cancer Pathology at Beth Israel Deaconess Medical Center and Chief of Oncologic Pathology at the Dana-Farber Cancer Institute. He is also Professor of Pathology at Harvard Medical School, and an internationally recognised expert in breast pathology.

He has published over 400 original articles, review articles, editorials, commentaries, and book chapters, primarily in breast diseases. He has authored a popular breast pathology textbook entitled "Biopsy Interpretation of the Breast", now its third edition, with the fourth edition in preparation. He is also one of the editors of the 4th and 5th Editions of the "World Health Organisation Classification of Tumours of the Breast", published in 2012 and 2019, respectively.



Dr Schnitt is a Past President of the United States and Canadian Academy of Pathology (2010-2011). Other notable honours include the Arthur Purdy Stout Society of Surgical Pathologists Annual Prize (1999), the Albany Medical College Distinguished Alumnus Award (2014), the Lynn Sage Distinguished Lecturer (2014), the Maude Abbot Lecture at the United States and Canadian Academy of Pathology Annual Meeting (2016), the United States and Canadian Academy of Pathology F.K. Mostofi Distinguished Service Award (2018), the United States and Canadian Academy of Pathology Harvey Goldman Teaching Award (2019), the International Society of Breast Pathology-Breast Cancer

Research Foundation Larry Norton, MD Award (2019), and the Brigham Health Distinguished Clinician Award (2020). He is particularly proud to have been involved in the training of 48 breast pathology fellows since 1995.

Professor Gary Tse

Professor Tse is Chairman and Professor in the Department of Anatomical and Cellular Pathology. He is also the Honorary Chief of Service of the Departments of Pathology of Alice Ho Miu Ling Nethersole Hospital and North District Hospital in Hong Kong.

A pathologist by training, he has active interests in breast histologic, cytologic and molecular pathology. His research focuses on the evaluation of prognostic factors in breast cancers, molecular classification of breast disease, understanding molecular basis in morphological features and their application for clinical decision in routine management. For classification of breast diseases, he is particularly interested in the diagnosis of fibroepithelial lesions and papillary lesions in the breast.



Prof. Tse is widely engaged in local and overseas professional bodies, including ICCR dataset in breast pathology, the TCGA breast group external pathology committee, and WHO breast tumour classification. He is active in organising educational activities and is the current president of the International Academy of Pathology, Hong Kong division; Vice President for Asia for the International Academy of Pathology; and on the Board of Directors of the International Academy of Cytology. He also serves as editors and editorial board members of various journals, including *Histopathology*, *EBioMedicine*, *Modern Pathology*, *Cancer Cytopathology* and advisors for various funding agencies and NGOs.

Professor Hannah Wen

Dr. Hannah Wen is an Attending Pathologist, Director of Breast Pathology Fellowship and Associate Team Leader of Breast Pathology Team at Memorial Sloan Kettering Cancer Centre. She earned her medical degree from Peking University Health Science Centre, and PhD in Cancer Biology from MD Anderson Cancer Centre. She completed a residency in Anatomic and Clinical Pathology at New York University, during which she served as Chief Resident, followed by Oncologic Surgical Pathology Fellowship and Breast Pathology Fellowship at MSKCC. She is a member of the USCAP Education Committee and a co-Chair of the NRG Breast Cancer Rare Tumour Working Group. She served as the Education Director and Treasurer of the International Society of Breast Pathology (ISBP) (2019-2023) and is the President of the ISBP (2025-2027).



Dr. Wen has published over 150 peer reviewed original articles, many review articles and book chapters on breast pathology. She is a contributor to book chapters in the WHO Classification of Tumours of the Breast 5th Edition (2019) and 6th Edition (2025), and in Rosen's Breast Pathology 5th Edition (2020). She is an invited Guest Editor for Current Concepts in Breast Pathology in the *Surgical Pathology Clinics* (2025).

Her research interests are in breast cancer, and particularly the genomic alterations in triple negative breast cancer, special histologic subtypes of breast cancer, and prognostic and predictive biomarkers.

Professor Wentao Yang

Dr Wentao Yang (M.D., Ph.D.) is Professor and Vice-Chairman in the Department of Pathology, Fudan University Shanghai Cancer Center, China.

Her research focuses on epithelial-mesenchymal transition (EMT) in triple-negative breast cancer; heterogeneity in breast cancer and correlation with clinicopathologic characteristics; the change of biomarkers after neoadjuvant therapy of breast cancer ; morphologic and molecular features of uterine mesenchymal tumours; and morphologic and molecular features of ovarian sex-cord tumours.

Dr Wentao has published just under 100 papers. She is President of the Breast Pathology Group, Chinese Society of Pathology and contributor to the 5th and 6th editions of WHO Classification of Tumours of the Breast. She sits on two expert committees for ICCR (International Collaboration on Cancer Reporting) - the invasive carcinoma of the breast dataset and the dataset for invasive carcinoma of the breast in the setting of neoadjuvant therapy. She is a Standing Committee Member for the Committee of Breast Cancer, Chinese Anti-Cancer Association and is a member of the International Society of Breast Pathology (ISBP). Dr Wentao is part of the editorial board for several journals: *Virchows Archive*; *Chinese Journal of Pathology*; *Chinese Journal of Diagnostic Pathology*; and *Chinese Journal of Clinical and Experimental Pathology*.

