

## WCE 2025 Pre-Congress Workshop Program: Embracing New Technologies and Collaborative Partnerships to Enhance Laboratory-Based Endometriosis Research

As at 12 April 2025  
Subject to change without notice

|           |                                                                                                                                                          |
|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| 0900-1200 | Session One: Large Scale Collection of Patient Data and Clinical Samples for Research                                                                    |
| 0900-0920 | Introduction                                                                                                                                             |
| 0920-0955 | Opening Keynote Presentation<br><i>Dr Brett McKinnon</i>                                                                                                 |
| 0955-1010 | Establishing Adaptive Platform Trials for a Large-Scale Program<br><i>Dr Akwasi Amoako</i>                                                               |
| 1010-1025 | NECST - Do's and Don'ts of Establishing a National Endometriosis Registry<br><i>Dr Cecilia Ng</i>                                                        |
| 1025-1040 | Menstrual Fluid, a Non-Invasive Source of Endometrial Tissue: A Case Study for Collecting Difficult but Critical Samples<br><i>Prof Caroline Gargett</i> |
| 1040-1100 | Panel Discussion                                                                                                                                         |
| 1100-1200 | Morning Tea                                                                                                                                              |
| 1200-1300 | Session Two: State-of-the-Art Techniques Using Human Tissues                                                                                             |
| 1200-1215 | The Value of Integrating Clinical, Surgical and Anatomical Pathology in Endometriosis Research<br><i>Prof Christian Becker</i>                           |
| 1215-1230 | scRNAseq Endometriosis Lesions<br><i>Dr Elise Courtois</i>                                                                                               |
| 1230-1245 | Spatial Transcriptomics/Proteomics on Fresh and BIOBANKED Tissue<br><i>Dr Xiao Tan</i>                                                                   |
| 1245-1300 | Panel Discussion                                                                                                                                         |
| 1300-1400 | Lunch                                                                                                                                                    |
| 1400-1500 | Session Three: In Vitro Models of Endometrium and Endometriosis                                                                                          |
| 1400-1420 | Endometrial Epithelial Organoids: Mimicking the Menstrual Cycle<br><i>Dr Harriet Fitzgerald</i>                                                          |
| 1420-1430 | Assembloids and their Incarnations<br><i>Dr Sugarnaya Subramaniam</i>                                                                                    |

|           |                                                                                                      |
|-----------|------------------------------------------------------------------------------------------------------|
| 1430-1450 | In Vitro Modelling Using Microfluidics/Organ on a Chip<br><i>Prof Linda Griffith</i>                 |
| 1450-1500 | Panel Discussion                                                                                     |
| 1500-1530 | Afternoon Tea                                                                                        |
| 1530-1600 | Session Four: How to Analyse and Integrate Big Data                                                  |
| 1530-1545 | Experimental Design Impacts Data Analysis<br><i>Asst Prof Michael Anglesio</i>                       |
| 1545-1600 | Multi-OMICs: How to Integrate and Leverage Existing Datasets<br><i>Prof Melissa Herbst-Kralovetz</i> |
| 1600-1700 | Final Panel Discussion                                                                               |
| 1700      | Workshop Concludes                                                                                   |