EPU User Guide
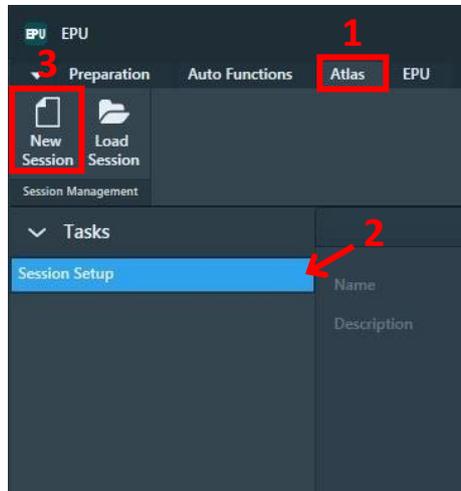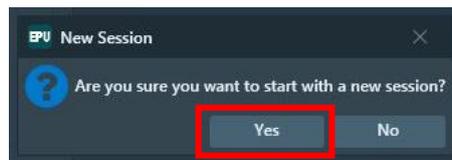
1. 如尚未掃 Atlas，請在 **Atlas(1)** 中選擇 <u>Session Setup</u>**(2)** 並點選 <u>**New Session(3)**</u>。

   If not scanned by Atlas yet, please go to **Atlas(1)**, then select <u>Session Setup</u>**(2)** and click <u>**New Session(3)**</u>.
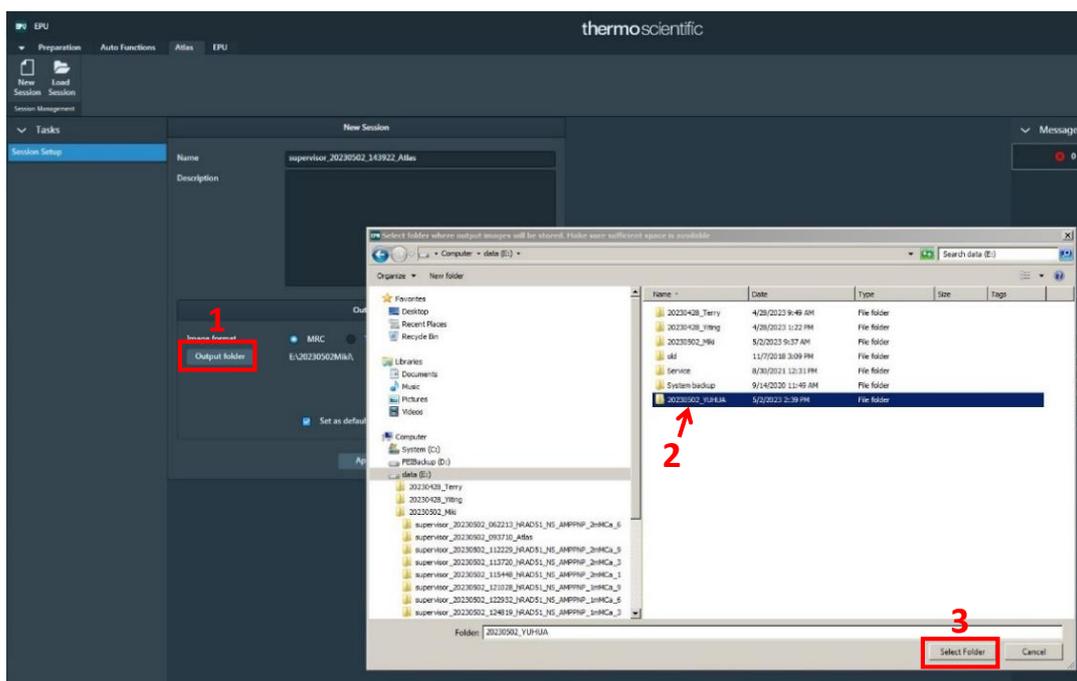

2. 跳出提醒訊息請選擇 **Yes**。

   Select **Yes** when the reminder message pops up.

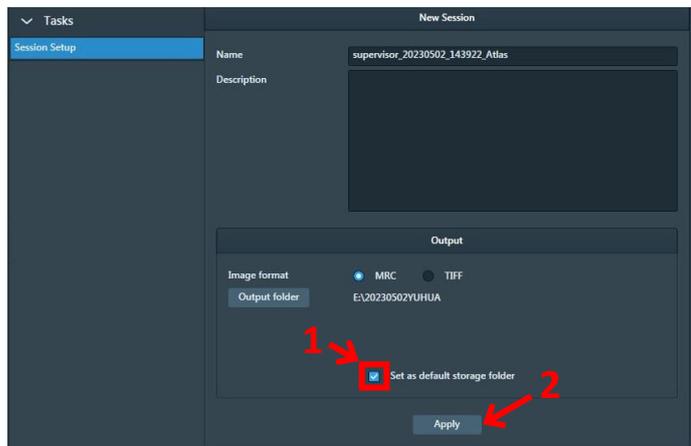3. 點選 <u>**Output folder(1)**</u> 並在 data E 中創建新資料夾儲存圖像，如：20230502_YUHUA **(2)&(3)**。

   Click <u>**Output folder(1)**</u> and create a new folder (e.g. 20230502_YUHUA) in the data E **(2)&(3)** to save the images.
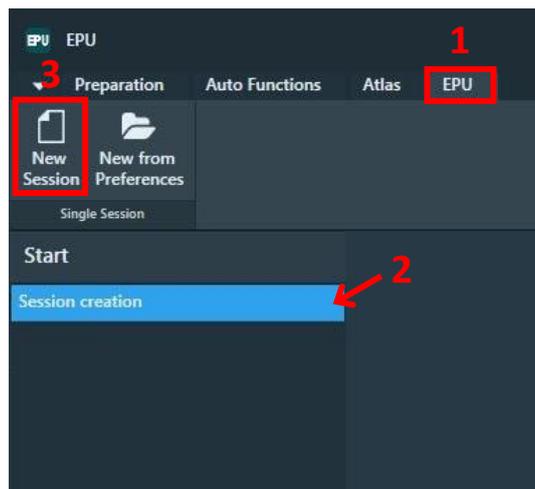
4. 選擇 **Set as default storage folder(1)**，再點選 **Apply(2)**。

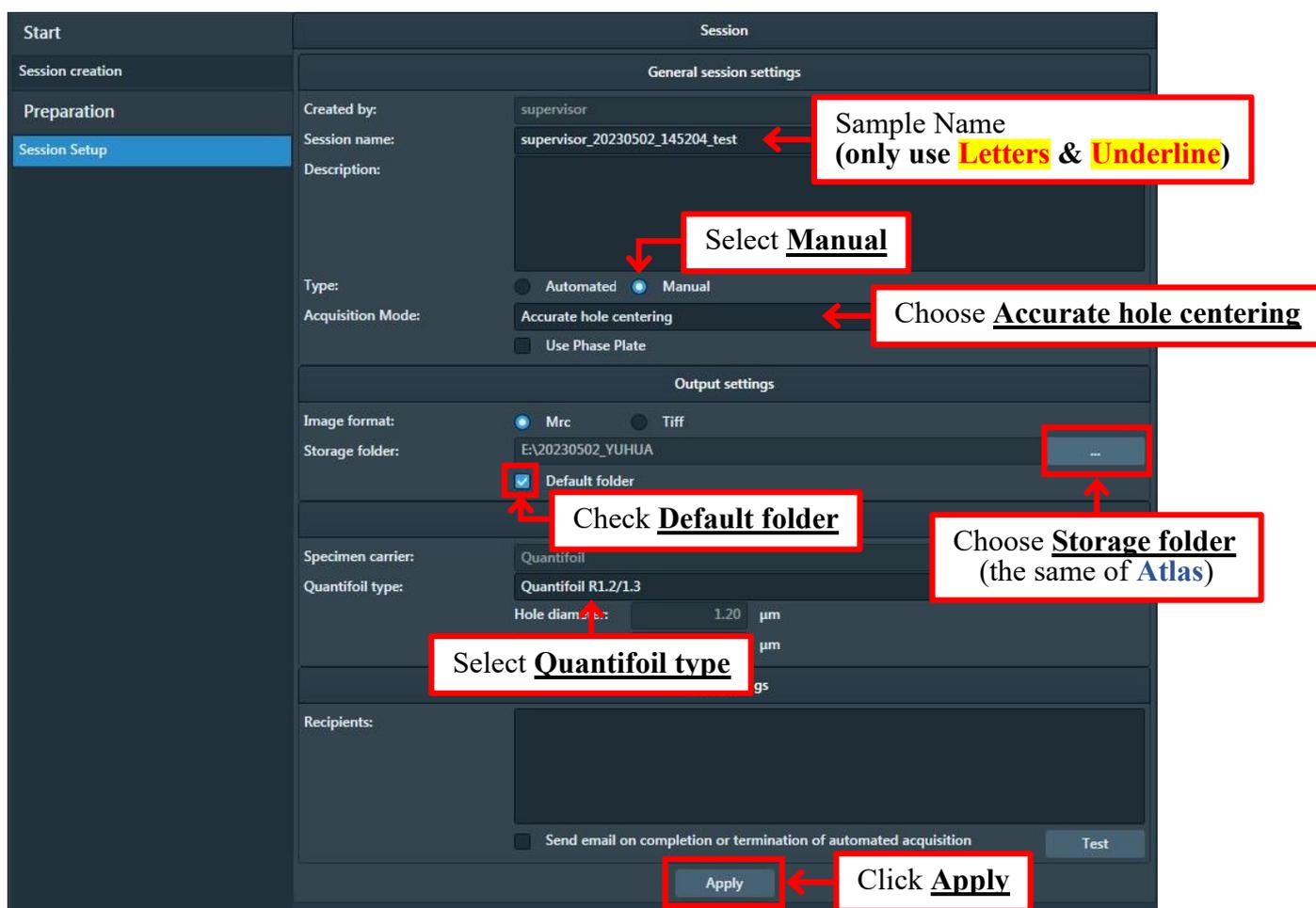Select **Set as default storage folder(1)**, then click **Apply(2)**.

5. 進入 **Screening(1)**，勾選欲開始掃 Atlas 的 grid 後**(2)**點選 **Start(3)**。

Go to **Screening(1)**, select the grid(s) you want to start Atlas acquisition**(2)** and click **Start(3)**.

6. 待 Atlas 結束後即可切換至 **EPU(1)**，點選 **Session creation(2)**再開啟 **New Session(3)**。

Move to **EPU(1)** after Atlas ends, select **Session creation(2)** and then open a **New Session(3)**.
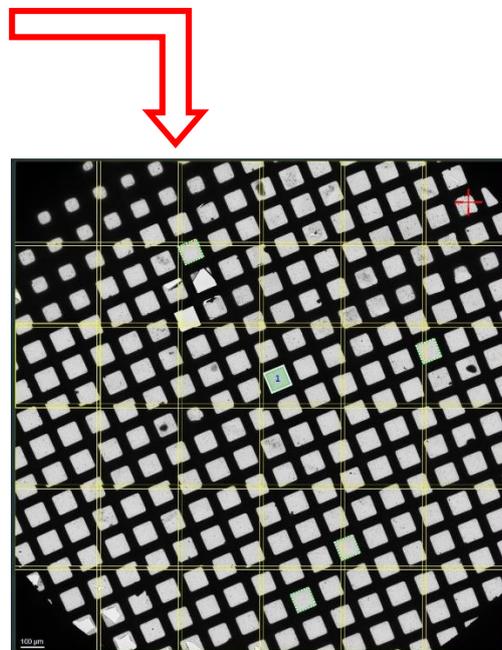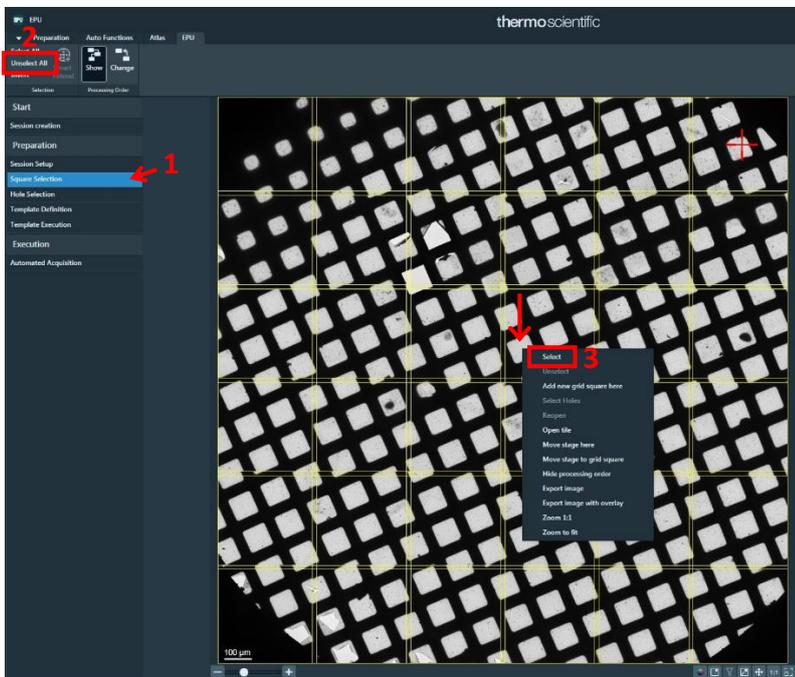

7. 確認設定，按下 **Apply** 後即會出現其他選單。

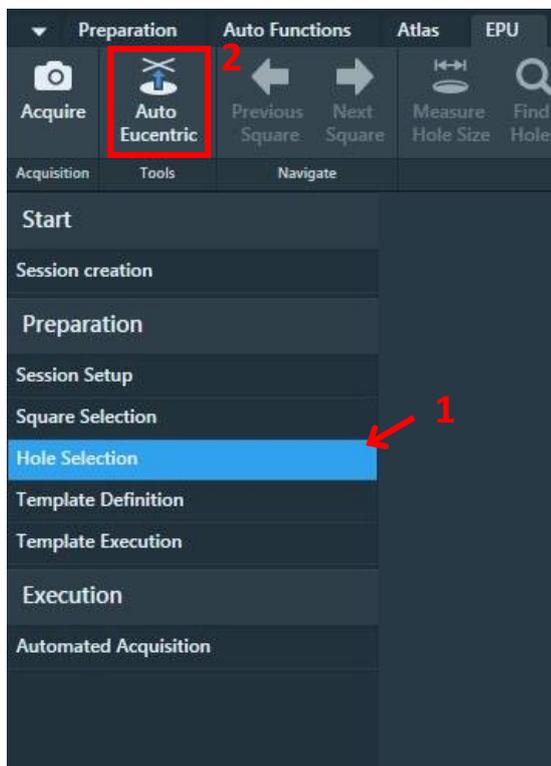Check the settings, other tasks will show up after clicking **Apply**.

8. 進入 **Square Selection(1)**，選擇 **Unselect All(2)**取消選取所有 square。

   Go to **Square Selection(1)**, then click **Unselect All(2)** to unselect all squares.

   游標移至欲選取的 square 並按下滑鼠右鍵 **Select(3)**，此時被選取的 square 會顯示成綠色。

   Move the cursor to the target square and click right mouse button, then click **Select(3)**. The selected square should turn into green color.
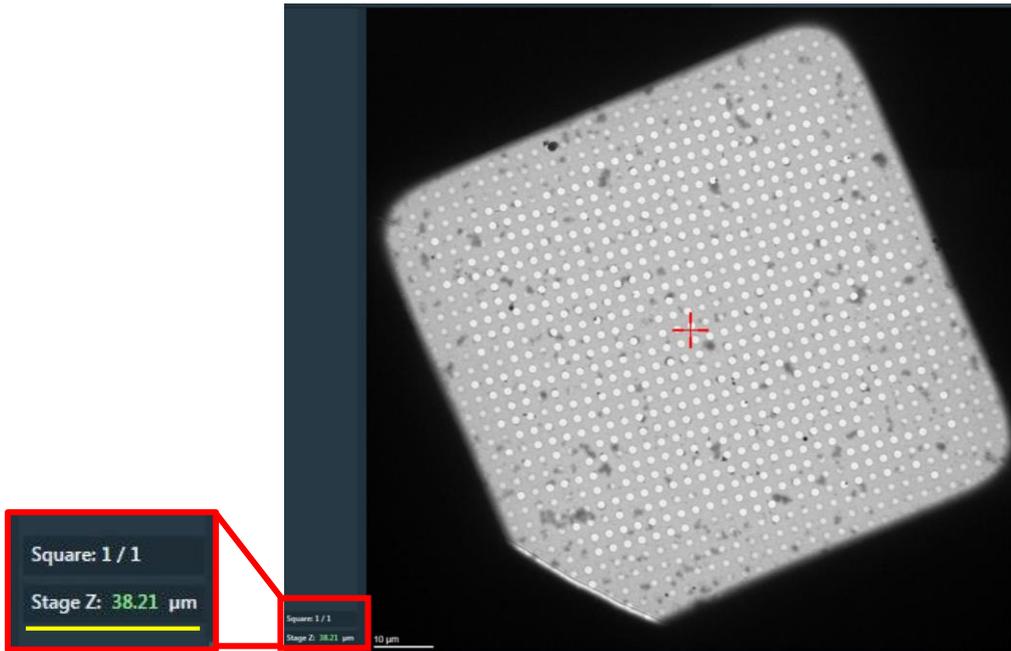

9. 進入 **Hole Selection(1)**選擇 **Auto Eucentric(2)**。

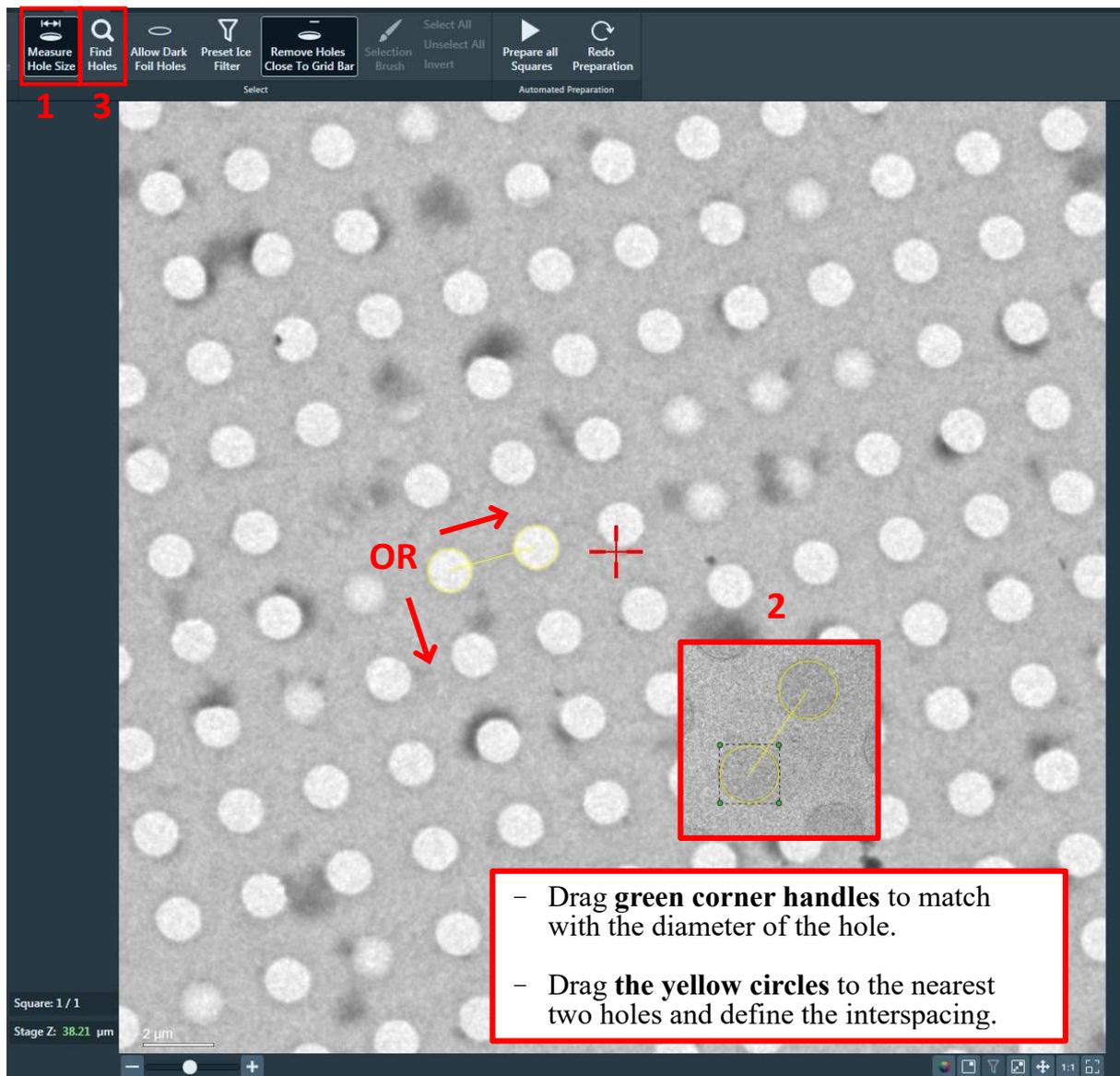   Go to **Hole Selection(1)** and click **Auto Eucentric(2)**.

10. 在 **Auto Eucentric** 動作結束後確認 Z height。

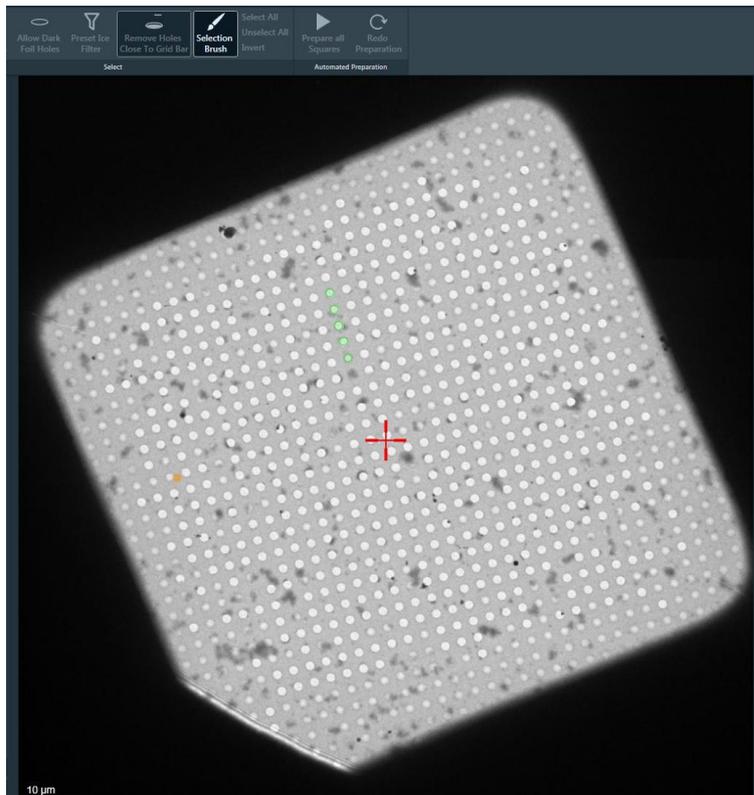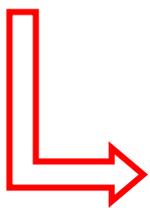   After **Auto Eucentric** is completed, confirm whether the Z height is measured.
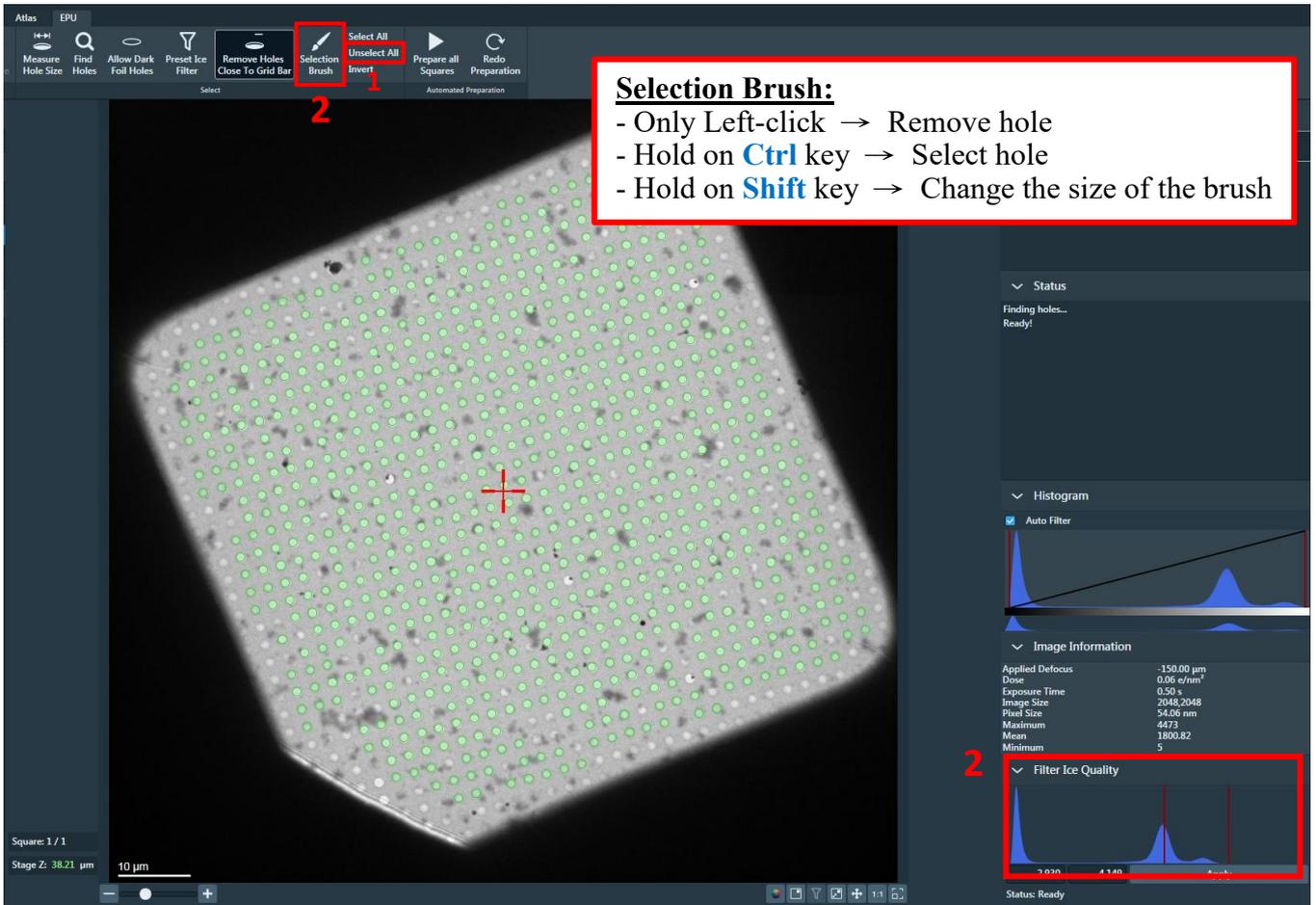

11. 選擇 **Measure Hole Size(1)**，拖動黃色圈圈**(2)**再點選 **Find Holes(3)**。

    Select **Measure Hole Size(1)**, drag the yellow circles**(2)** then select **Find Holes(3)**.

– Drag **green corner handles** to match with the diameter of the hole.

– Drag **the yellow circles** to the nearest two holes and define the interspacing.
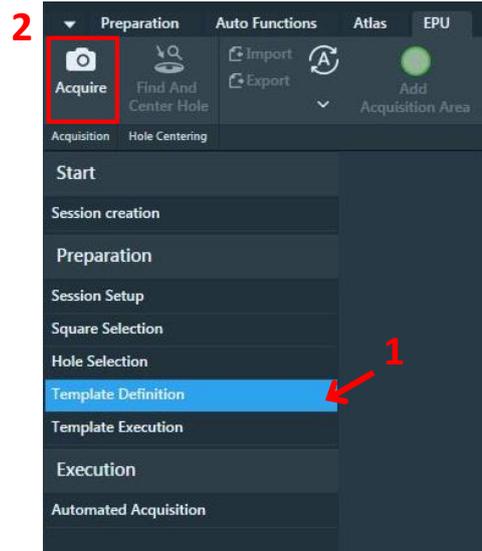
12. 點擊 **Unselect All(1)** 後再使用 **Selection Brush(2)** 選取需要的孔洞或移動右下角 **Filter Ice Quality(2)** 的垂直界線以冰層厚度篩選孔洞。

Click **Unselect All(1)** and then use **Selection Brush(2)** to select the holes you need or move the vertical bound of the **Filter Ice Quality(2)** on the bottom right for the holes with preferred ice layer thickness.
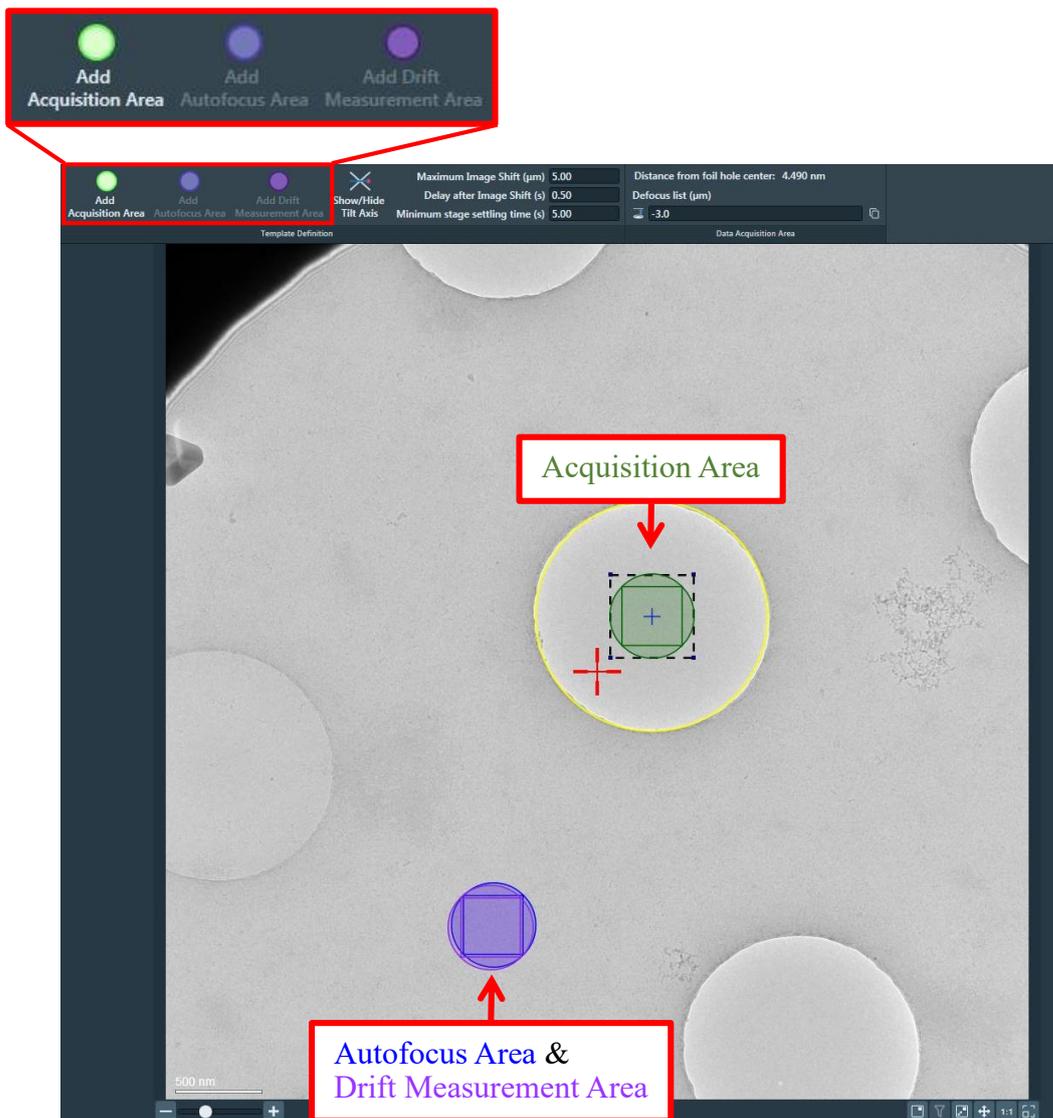
13. 結束孔洞的選取後進入 **Template Definition**(1)並點擊 **Acquire**(2)取像。

Finish Hole Selection and go to **Template Definition**(1) then click **Acquire**(2) to acquire a hole image.

14. 增加 **Acquisition Area** 並設置好 **Autofocus Area** 和 **Drift Measurement Area** 的位置。

Add **Acquisition Area** then define an **Autofocus Area** and a **Drift Measurement Area**.

15. 選擇 **Automated Acquisition(1)** 並點擊 **Start Run(2)** 即可開始收圖。

Go to **Automated Acquisition(1)** and select **Start Run(2)** for data acquisition.