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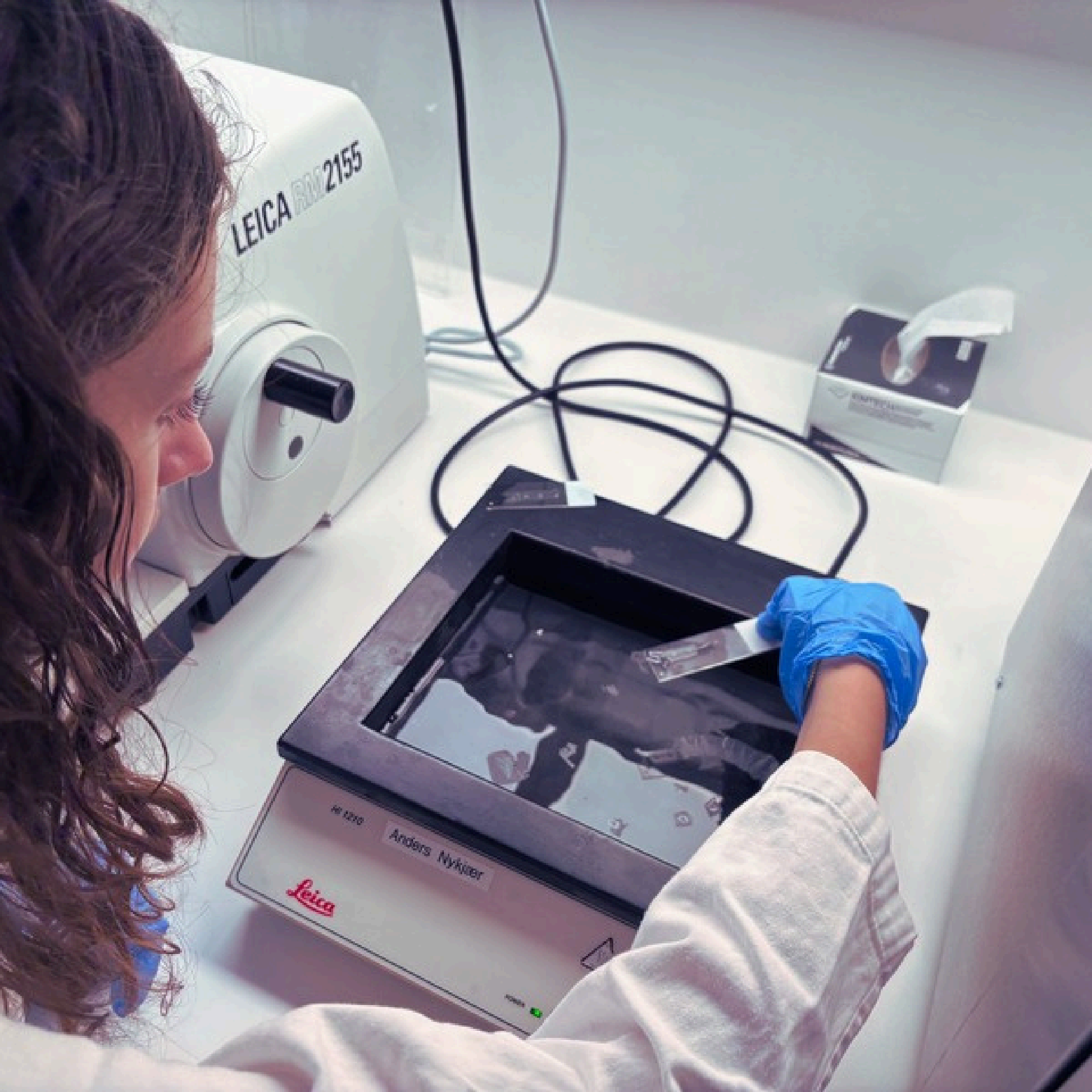
Thermo

We are performing protein concentration determination.
The samples are brain tissue from various transgenic mice. They will be used for Western blot to examine the expression of proteins of interest.

We are practicing pipette use and monitoring to ensure the volume is correct.

Protein concentration determination

We sliced some paraffin-embedded brains with the microtome to cut them in very thin slices which we then mounted on some slides.


LEICA RM2155
Anders Nyklier
Leica


Please make sure that
the air-condition is
on, when you turn on
the cryostat.

We proceeded to stain the slides in the hood. The staining procedure is called Hematoxylin & Eosin staining. Both are dyes that stain tissue, but hematoxylin stains the nuclei of cells a blueish, dark-purple colour, while eosin stains the cytoplasm pink.

The staining proces is considered a golden standard for analyzing tissue structure and/or detecting abnormalities (in diseased brains).

We are examining the membrane of a Western blot with brain samples from transgenic animals.

We looked at some slides under a confocal microscope treated with immunofluorescence (using fluorophore-conjugated antibodies for our proteins of interest).

We are examining six small sections of mouse brain tissue that have been stained with different antibodies, allowing us to visualize proteins of interest and observe their expression in specific brain cells using fluorescence microscopy.