Monash Histology Platform is a world class, full service histology laboratory committed to excellence, quality, consultation, clinical evaluation and collaboration. We provide all paraffin, frozen section and specialist histological processing, cutting and staining requirements. A full consultation and collaboration service, expert training in all histological techniques, specialist methacrylate and epoxy resin methods, microscopic and digital imaging, TMA generation and automated immunohistochemical techniques are also provided.
The Histology Platform has two service streams: a full end-to-end service provided by specialist staff, or a “Do it Yourself” service providing access to laboratory facilities, specialist equipment and consumables.

In addition, the experienced Histology team can provide advice, training and research assistance. The Histology Platform operates on a fee for services basis for all services and laboratory access.

Two laboratories operate within the Histology Platform – the Paraffin and Resin Laboratories. They have both been developed to meet the quality and high throughput needs of researchers, academic staff and students. Staff are well known for their ability to produce high quality, accurate results in an efficient, timely manner.

Paraffin Laboratory

The paraffin laboratory is equipped with a range of state-of-the-art equipment to tackle the most demanding of processing requirements including:

- Fully equipped dissection area and cassette writer
- Rapid, dual processing Peloris tissue processor providing efficient, reliable and timely processing to paraffin wax
- Embedding units for high quality paraffin blocking
- Modern microtomes for specimen sectioning
- Fully equipped staining area including an automated staining unit with coverslapper, together with manual options for DIY staining and coverslipping
- Cryostat for frozen sectioning

Resin Laboratory

The Resin laboratory provides specialist processing, sectioning and staining services for projects requiring resin sections. The laboratory is well equipped with Leica RM2165 microtomes and Leica Ultra microtomes for cutting both methacrylate and epoxy resins for light and electron microscopy. A Leica RM2265 microtome with a stereomicroscope is also available for visualisation of small specimens. A fully equipped staining area includes an automated staining unit with coversliper, together with manual options for DIY staining and coverslipping.

Other services

Other specialised equipment such as a sledge microtome, Vibratome, digital camera for imaging and multileader microscope are also provided.

Mission statement: “Everything we do is focused on assisting you, in all aspects of Histology so you can engage in what you do best”

Monash Histology Platform; your partner in research, education and clinical studies.

Contact

Facility Manager

Camilla Cohen

Camilla Cohen completed her Bachelor of Applied Science (Medical Laboratory Science) in 1990 before working in various private and public histology laboratories in Melbourne. Camilla has extensive experience in routine histology, laboratory quality assurance and management. She is an accredited NATA assessor skilled in immunohistochemical techniques and frozen sections.

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Director: Associate Professor Ian Smyth

An ARC Research Fellow in the Department of Anatomy and Developmental Biology and Department of Biochemistry and Molecular Biology. Dr Smyth is interested in the development of diseases affecting skin and kidney and has 15 years extensive experience in studying animal models of disease.