

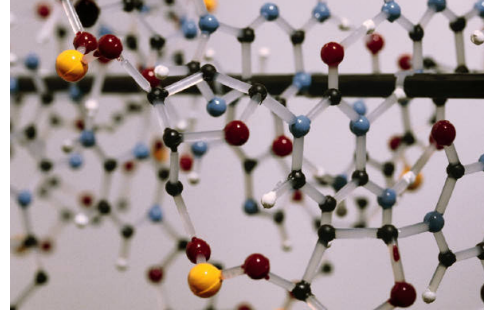
Together, we can work toward a clearer understanding.

The Sydney Neuro-Oncology Group wishes to thank the Kolling Institute Research Team for their assistance in this project.

Most importantly, we would like to acknowledge the contribution that patients and families have made to further medical knowledge and the treatment of this disease.

The Northern Sydney Health Human Research Ethics Committee (NSH HREC) approved the collection of tissue and the molecular genetics research project.

Sydney Neuro-Oncology Group & Kolling Institute of Medical



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The Australasian Brain Tumour Bank (ABTB)

Tumours of the brain are amongst the most devastating in humans. They have been described as:

“One of medicine’s most frightening mysteries.”

Through a relatively unique collaboration between the **Sydney Neuro-Oncology Group** and the **Cancer Genetics Laboratory, Kolling Institute of Medical Research**, we are able to collect brain and tumour tissue and subject them to genetic analysis.

The brain and tumour tissue is supplied to qualified scientists working in a number of research disciplines in the hope that someday the cause of and cure for brain tumours will be found.

A research assistant funded by generous donations to the Sydney Neuro-Oncology Group

Patient Information Sheet and Informed Consent

Patients invited to have tissue from their operation kept in the Tumour and Tissue Bank are given a Patient Information Sheet.

The brain tissues and tumours are collected only from patients who provided an Informed Consent enabling the research team to study the molecular genetics of the tissue.

Conclusion

We believe that this type of targeted molecular therapy has great promise and that its use in a range of other human types awaits the identification of these specific genetic markers associated with the development of these tumours.

Aim

The long-term goal is to find a genetic molecular description and treatment for brain tumours.

This research collaboration provides a unique opportunity to:

- Link molecular tools to enable better definition of tumour subtype;
- Identify better prognostic markers; and
- Ultimately to enable specific targeting of genes using chemotherapy, radiotherapy or newer genetic therapies.

Describing brain tumours at the molecular genetic level and understanding what is taking place within the tumour allows clinicians to select the exact drug that targets each individual tumour.

This will reduce the side-effects and increase remission rates.

By understanding the biology, new therapies can be developed.

Ultimately, the tumour bank’s purpose is to increase the survival time of brain tumour patients by providing scientists with the tumour material needed for new discoveries in diagnosis, treatment and the disease process.

