

Computational Neurosurgery Fellowship



The Computational NeuroSurgery (CNS) Lab at Macquarie University (Sydney, Australia) has established a *Computational Neurosurgery Fellowship*, the first of its kind in the world.

The fellowship is intended to cover the living expenses for 1 year for a neurosurgery specialist or senior resident who wishes to obtain experience in the application of computational modelling and Artificial Intelligence to the study of the brain and diseases of neurosurgical interest.

The fellow will be involved in one or more research projects in the new *Computational Neurosurgery* field, in a new vibrant environment with neurosurgeons, clinical and computational neuroscientists, engineers, computer scientists, mathematicians, cognitive neuroscientists, and more. Hybrid positions – research and clinical/surgical fellowship – will be considered for eligible fellows accredited with the Australia’s Health Practitioners’ Agency.

The application must include:

- 1) A statement defining the purpose of the proposed fellowship
- 2) The applicant’s current curriculum vitae, including titles, surgical and research experience, and the publications’ track record.

Essential criteria:

- Specialisation in neurosurgery or proof of neurosurgical training in progress
- Proven track record with peer-reviewed publications
- Excellent command of scientific writing in English

Desirable:

- Ph.D.
- Experience with statistical analysis, machine learning, computer science
- Expertise in neuroimaging, neuropathology and/or other translational fields.

General enquires: Professor Antonio Di Ieva at antonio.diieva@mq.edu.au

The application should be emailed to CNSLab@mq.edu.au

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