Neuroradiology

Ours is a multidisciplinary research group, which has the added value of combining neuroradiologic skills of the members of the Neuroradiology clinical unit at Hospital de la Santa Creu i Sant Pau with technological knowledge from PIC/IFAE investigators at the Universitat Autònoma de Barcelona (Spain) and University College London (UCL, UK).

Our focus are: 1) Neuroimaging biomarkers in diseases involving the central nervous system, including neurodegenerative and neuropsychiatric conditions; 2) Automatic procedures and software tools, especially those of Deep Learning/Artificial Intelligence, in neuroradiology.

Challenges

- To achieve visibility of our research group and of neuroradiology –often considered by clinicians more a technical tool rather than a discipline in itself– as a defined field of knowledge.
- To add knowledge in clinical Neuroradiology to the development and implementation of Artificial Intelligence in Diagnostic Imaging.

Collaborations with other IIB Sant Pau Groups

- Pituitary Gland Disorders, Digestive Diseases, Parkinson Disease and Movement Disorders, Cerebrovascular Diseases.
- Neuro-Oncology, Maternal Care/Obstetrics, Clinical Psychiatry, Head and neck Tumors/Otorhinolaringology.

External Collaborations

- University College London (UCL), London, UK (B. Gómez-Anson is Hon Associate Lecturer).
- Translational Imaging Group, UCL (C. Sudre), and National Hospital for Neurology and Neurosurgery (R. Jäger), London, UK.
- PIC (Information Science Port) / IFAE (Institute for High Energy Physics), Universitat Autònoma de Barcelona, Spain

Theses


*Total Impact Factor: 42.136  **Mean Impact Factor: 3.010


IF: 2.354