MEDICAL IMAGING RESEARCH LABORATORY

Members of the Group:

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Research lines:

- Analysis of Biomedical Images (code UNESCO 2406.06)
- Nuclear Medicine (code UNESCO 3204.01)
- Digital Computation (code UNESCO 1203.13)
- Physiological Systems Modelling

Specific Applications:

Processing and analysis of medical images:

Healthy bone characterization.

Improvement of skeletal metastases diagnosis.

Techniques:
- Plain x-ray and digital radiography.
- Scintigraphy
- Image: enhancement, filtering
- Parametric quantification and characterization
- Segmentation
- Morphometry
- Computer assisted radiology

Processing and analysis of neurobiological signals:

Study of the cholinergic synaptic transmission. ATP release.

Techniques:
- Chemiluminescence and Deconvolution.
- Biosignal processing for data acquisition
- Signals: filtering, FFT
- Computer applications.
Publications:


