**Internship for a biostatician interested in AI application for early cancer detection**

We are looking for a biostatistician trainee or similar with experience in data analysis on biomedical research and statistical software knowledge.

Applicants are required to have successfully completed a degree majoring in statistics, or an equivalent qualification, have an aptitude for advanced mathematical work, a high-level knowledge of statistical concepts and methods, and extensive experience in the use of statistical software packages. The candidate will have experience in data analysis of different type of databases and will face to several biomedical research questions which may conduct him/her to make her/his own research in statistics.

It is necessary to poses personal skills such as good communication to understand and attend the needs of clinical researchers.

The candidate will:

- Review of the research methodology and protocols: presentation of hypotheses, formulation of objectives, selection of epidemiological design definition of variables, selection of statistical analysis etc.
- Search literature search concerning statistical techniques and methodologies.
- Support the sample size calculation.
- Validate questionnaires and other measuring instruments.
- Take part in the exploratory and descriptive analysis of data.
- Inferential analysis (univariate and multivariate).
- Evaluation of diagnostic tests: sensitivity, specificity, predictive values, ROC curves.
- Support survival and longitudinal data analysis.
- Study other statistical techniques (Bayesian analysis, meta-analysis, etc.).
- Interpretation of results.
- Assist in the presentation and dissemination of research results.
- Revision of scientific publications in terms of quality criteria set by the journal and depending on the type of study.

The candidate should be:

- Degree or master student of biology, statistic, biostatistic or similar
- Provenn experience with statistical software
- Advanced knowledge of statistical concepts and methods
- Experience in data analysis with different type of databases
- Experience in clinical trial analysis desired
- Independent and proactive profile with tendency for looking for solutions autonomously