

## **AI Era: Data Science— from Neuro Diseases to Emergency Department Triage Automation**

Dear Colleagues,

Data Science in medicine and healthcare have gained a great deal of attention in recent years and much more in the last year with covid-19 presence which force healthcare systems around the world to be more productive and in some areas to introduce clinical decision support systems that allow to avoid contact while focusing the resources. This Special Issue aims to publish original research articles covering advances in data science methods, models and applications specially in the areas of Clinical Anesthesia, Intensive Care and Emergency Medicine.

Improved existing models or new ones, pandemics dynamics, and flow networks are also interesting for the special issue, as well as applications in machine learning, algorithm design, and complexity optimization. Many applications can take advantage of data science to provide a better healthcare attention from neuro diseases to emergency department triage automation.

Potential topics include but are not limited to:

Machine learning;

Deep Learning;

Network models;

Computational methods;

Algorithm complexity;

Information theory and estimation theory for computational neuroscience;

Medical aid systems;

Clinical decision support systems;

Expert systems in medicine;

Flow networks;

Dynamic models.

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Department Triage Automation****Guest Editor****Dr. Sebastian A. Rios**

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**Interests:** Machine learning algorithms for emergency medicine, Machine learning algorithms for a better and personalized healthcare, Data Science applications for a better management of organizations, Natural Processing Language with Bayesian Models

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