

## Parc Taulí Foundation Critical Care

### OFFER:

#### Temporary Job Position:

#### 1 Doctorate Degree (Data Scientist )

#### Education and Qualifications:

Telecommunication Engineer, Mathematics, or related field. Doctorate degree preferably in Biomedical Engineering.

#### Experience and Knowledge:

- High level of digital signal processing techniques
- Nonlinear methods (entropies and dynamical complexity) for time series analysis
- Experience in statistical data analysis and machine learning methods
- Programming language in R, Python and MATLAB
- Knowledge of relational databases and SQL language
- Familiar with acquisition of biomedical signals (EMG, MMG, ECG, PPG, respiratory signals)
- Basic knowledge of respiratory system, patient-ventilator interaction, and sleep studies
- International experience working abroad in research centers
- Knowledge of English both spoken and written
- Solid experience writing scientific articles and technical reports
- Critical thinking, self-improvement, team player, and good communication skills

#### We offer:

The candidate will work within the framework of the project “SMARTVENT: Uso de algoritmos sobre señales fisiológicas para personalizar la atención al paciente crítico sometido a ventilación mecánica”, funded by the grant RETOS-Colaboración 2017 from the Ministry of Science, Innovation and Universities (Spain) and with possible funding from the European Regional Development Fund (FEDER). Labor conditions established according to to the collective labor agreement of the Parc Taulí Foundation.

#### SELECTION PROCESS:

The general conditions of this call will be regulated by what is included in this announcement and [bases tipus](#) that can be consulted on the website: [www.tauli.cat](http://www.tauli.cat)

#### Documentation and deadline:

Those interested in the offer will need to apply through this link: <http://bit.ly/2S8WdjG> . They will be asked to provide a CV as a pdf file along with additional documents regarding their accredited

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experience and degree. For question about this offer, please email to [seleccio@tauli.cat](mailto:seleccio@tauli.cat) providing the job's reference number.

**Deadline: 31/12/2018**