



Sleepacta srl is an **Innovative Startup** and a spin-off of Pisa University. The team has developed an algorithm based on neural networks (deep learning) that it is able to estimate all clinical parameters of sleep quantity with a reliability comparable to that of polysomnography and significantly higher than other methods based on actigraphy.

Company name: SLEEPACTA S.R.L.

Location: PONTEDERA (PI), V. del Chiesino 29, 56025

Fiscal and VAT code: 09738420968

Established: January 2017

Legal form: LIMITED LIABILITY COMPANY (LLC, SRL)

Internet site: <https://www.sleepacta.com/>

NACE Code: 62.01

Sector: LIFE SCIENCE

Spinoff: Università di Pisa

Requirements for technological innovation: R&D

Turnover
Value
40 K

Subscribe
Capital
11,4 K

NO
Female, young
or Foreign
Predominance

Qualified Team

SleepActa was born from the experience of a team of researchers and clinicians who have been studying sleep and its disorders for years, from its role in the modulation of sports performance to its clinical impairment.



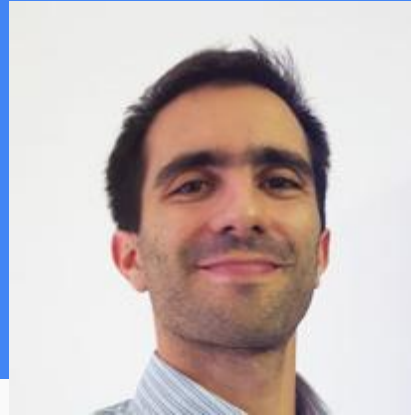
Ugo
Faraguna

MD PhD. Sleep Scholar
and Doctor
(University of Pisa)



Umberto
Olcese

Eng. PhD. Ass. Prof. of
Computational
Neuroscience
(University of Amsterdam)



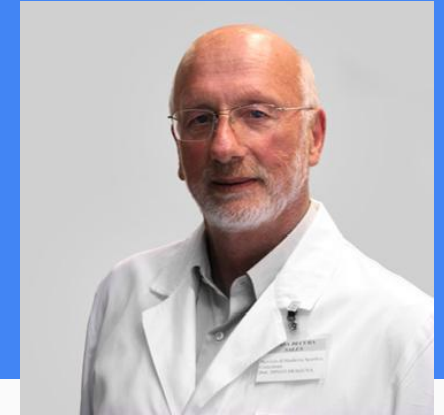
Tommaso
Banfi

Graduated in Motor
Sciences, PhD student in
Biorobotics
(Sant'Anna School)



Nicolò
Valigi

Software Engineer and
web Architect



Dino
Faraguna

MD. 30 years of
experience as Head of
Pediatric Hospital and
Medical Director in
public and private
hospitals



N 2
Employees



info@sleepacta.com
sleepacta_srl@pec.it

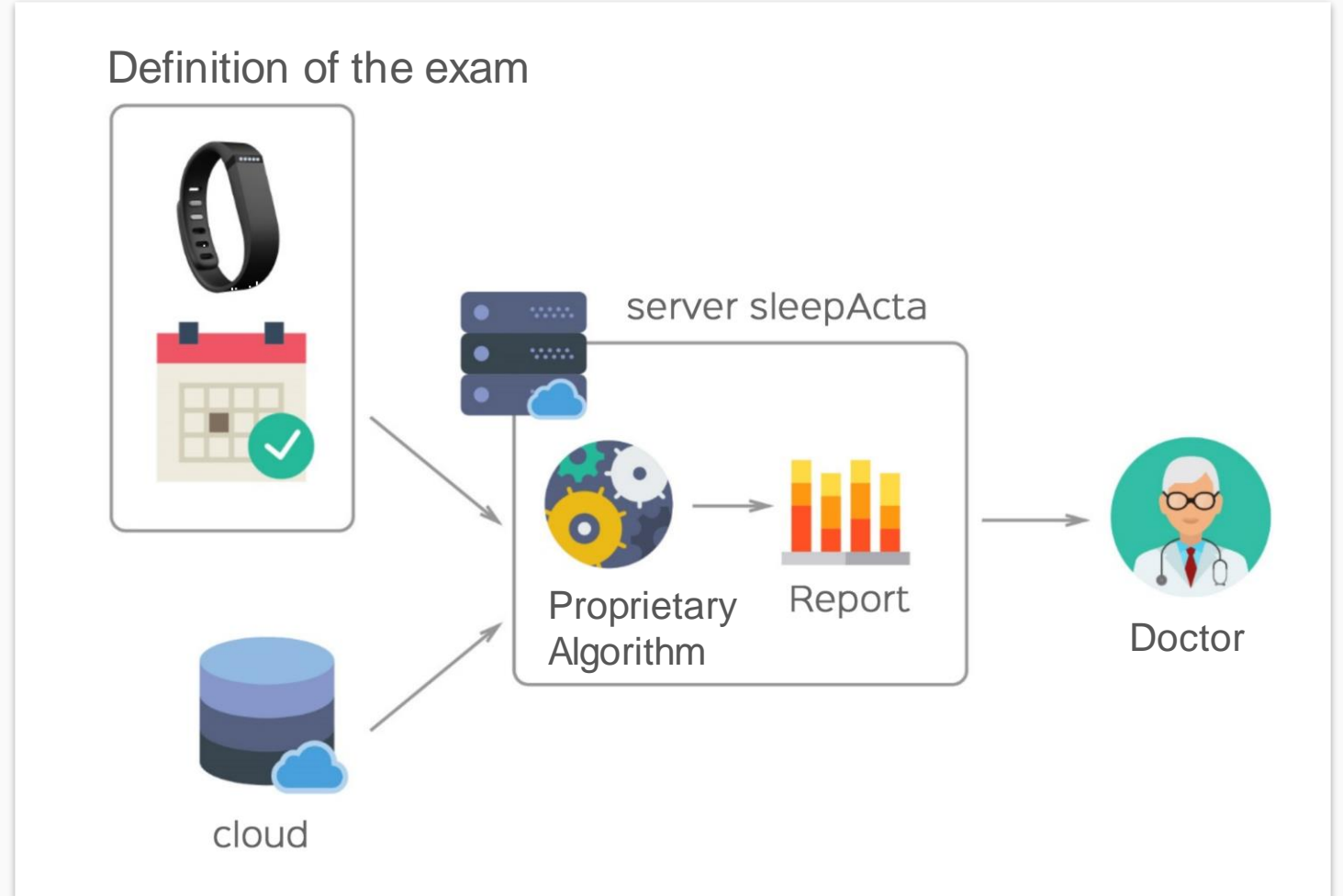
PRODUCT AND SERVICES 1/2

The sleepActa solution offers a fully automated cloud-based approach with web interaction for each stage:

- the definition of patient data and periods to be observed,
- pairing a specific device
- the verification (with optional human approval) of the data processed by the **sleepActa algorithm based on Artificial Neural Networks**,
- report generation and data storage with aggregation and statistics functions.

The patient only needs to wear an activity tracker (to replace or supplement the sleep diary) for a few days. Once returned, the doctor will synchronize the device with the computer, the data will be sent in a completely anonymous form to the sleepActa servers which will, through our proprietary algorithm, create a report ready for medical evaluation.

All in a few minutes.



Services of analysis and automatic reporting

of clinical parameters detected by "wearable activity trackers", accelerometric actigraphs (smartbands) or medical grade.

Actigrafi and smartband with accelerometer
consumer and medical grade



Other Services:

- Development of machine learning methodologies for the analysis of sleep-wake rhythms on the basis of actigraphic recordings;
- Validation and development of actigraphic devices as diagnostic tools;
- Research and development in the validation of biological signals obtained from wearable devices.