Sleepacta srl is an Innovative Startup and a spin-off of Pisa University. The team has developed an algorythm based on neural networks (deep learinig) 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

Estabilished: January 2017

Legal form: LIMITED LIABILITY COMPANY (LLC, SRL)

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

NACE Code: 62.01

Sector: LIFE SCIENCE

Spinoff: University of Pisa

Requirements for technological innovation: R&D

| Turnover Value **40 K** | Subscribed 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.
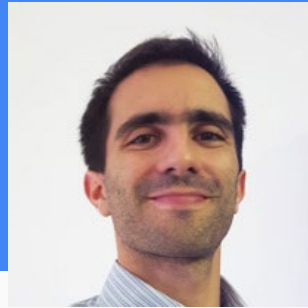
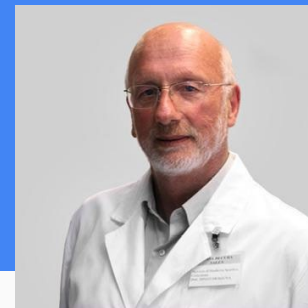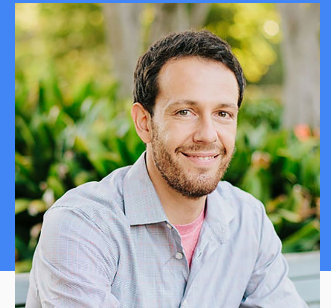| Ugo Faraguna	Umberto Olcese	Tommaso Banfi	Yann Inghilesi	Dino Faraguna	Luca Foschini
MD PhD. Sleep Scholar and Doctor (University of Pisa)	Eng. PhD. Ass. Prof. of Computational Neuroscience (University of Amsterdam)	Graduated in Motor Sciences, PhD student in Biorobotics (Sant'Anna School)	Eng. MBA, expert in business administration CEO, Akern s.r.l; Managing Director, Red Lions S.p.A.	MD. 30 years of experience as Head of Pediatric Hospital and Medical Director in public and private hospitals	Eng. PhD. Researcher, Data scientist and entrepreneur

N 2 Employees

info@sleepacta.com
sleepacta_srl@pec.it

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.
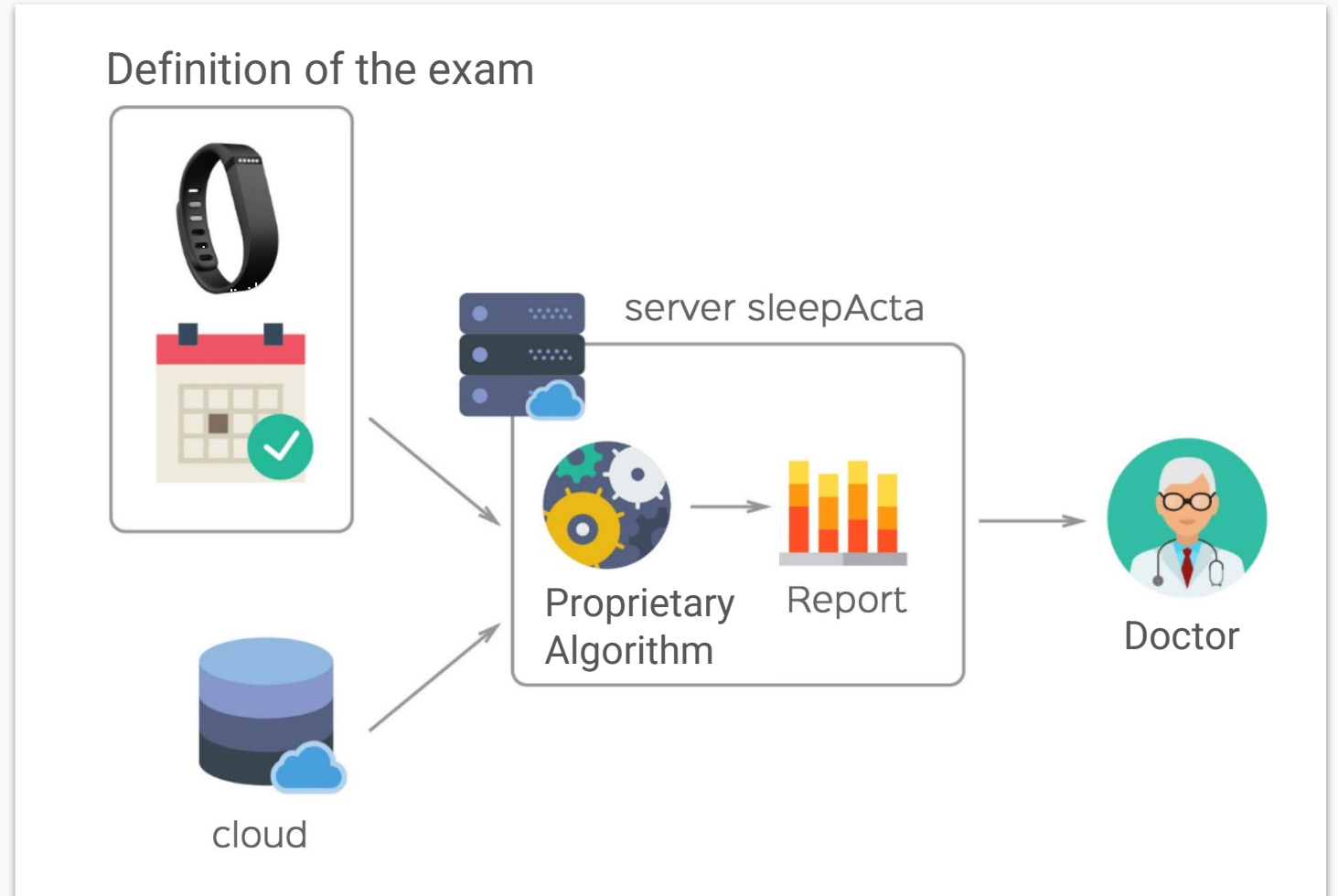
Services of analysis and automatic reporting
of clinical parameters detected by "wearable activity trackers", accelerometric actigraphs (smartbands) or medical grade.

Actigrafi and smartband with accelerometer
consumer and medi 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.