



# BROKERAGE FOR HEALTH

## September 3-4 2018, Oslo

session (edit)



CEAtech – List  
Smart digital systems

[www-list.cea.fr/en/  
France](http://www-list.cea.fr/en/France)

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HEALTH-NCP-NET 2.0 project is funded by the European Commission



# CEAtech-List expertise

**BigData platform:** feature selection for heterogeneous biomarkers identification, predictive model construction and BigData management & integration.

**Stream data platform:** ML algorithms for online descriptive & diagnosis-oriented analytics, processing of monitoring signals at various time scales (NMR, EEG, ECG,...)

**eXplanable Artificial Intelligence:** models expert knowledge with rules written close to natural language to reproduce automatically a human expert reasoning on data.

**Multimodal platform for radiotherapy and imaging technologies:**

- Dose control: QC software, dose modelling, dosimetric development and ref.
- Diagnostic processes optimization: RX imaging for dose delivery optimization, multimodal imaging



# Data Analysis and System Intelligence for Health and well-being



REvolutionary Approaches and Devices for Nucleic Acid analysis



Cooperative Advanced REsearch for Medical Efficiency



Biomarkers of renal graft injuries in kidney allograft recipients



Phenome and Metabolome aNalysis



expert system for digital health platform



automated patient mandatory summary for patient treatment decision



partnership for developing new methods for controlling radiotherapy

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# Topic

**SC1-BHC-13-2019:** Mining big data for early detection of infectious disease threats driven by climate change and other factors (16 Apr 2019)

**SC1-DTH-01-2019:** Big data and Artificial Intelligence for monitoring health status and quality of life after the cancer treatment (24 Apr 2019)

**SC1-DTH-10-2019-2020:** Digital health and care services (14 Nov 2018)

**SC1-DTH-11-2019:** Large Scale pilots of personalised & outcome based integrated care (24 Apr 2019)

**SC1-BHC-10-2019:** Innovation Procurement: Next generation sequencing (NGS) for routine diagnosis (16 Apr 2019)

Keywords: ML, AI, predictive models, biomarkers, signal processing, time series, signal proc., decision support, data integration, radiotherapy, imaging.



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Thank you!

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