

A picture is worth a thousand words: Synergies in Imaging

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Shimadzu Corporate Outline

- Corporate Philosophy
 - Contribution to Society through Science and Technology
- Management Principle
 - Realizing our Wishes for the Well-being of both Mankind and the Earth



Established: March, 1875

Total Number of Employees: 11,954 (2018)

Consolidated Subsidiaries: 74 (24 in Japan, 50

Overseas)





Key Business Segments



Environment



Medicine



Medical Care



Semiconductor / Electronics



Transport



Food



Energy



Material



Innovation in Shimadzu



Annual Review

3,500 engineers in Japan work in R&D

R&D Investment

€102m invested in R&D

PATENTS

6549 patents held in 2017; more than 450 patent applications



Global Innovation Centers

- Develop innovative technologies through collaboration with cutting edge researchers
- Provide solution for local demands for analytical and measurement technologies





Imaging Mass Microscope – iMScope TRIO

- Matrix assisted laser desorption/ionization mass spectrometry (MALDI-MS)
- Scanning of tissue section
- One mass spectrum per pixel → 2D image





Functional Near-Infrared Spetroscopy



A type of functional neuroimaging technology that offers a non-invasive, safe, portable, and low-cost method of indirect and direct monitoring of brain activity

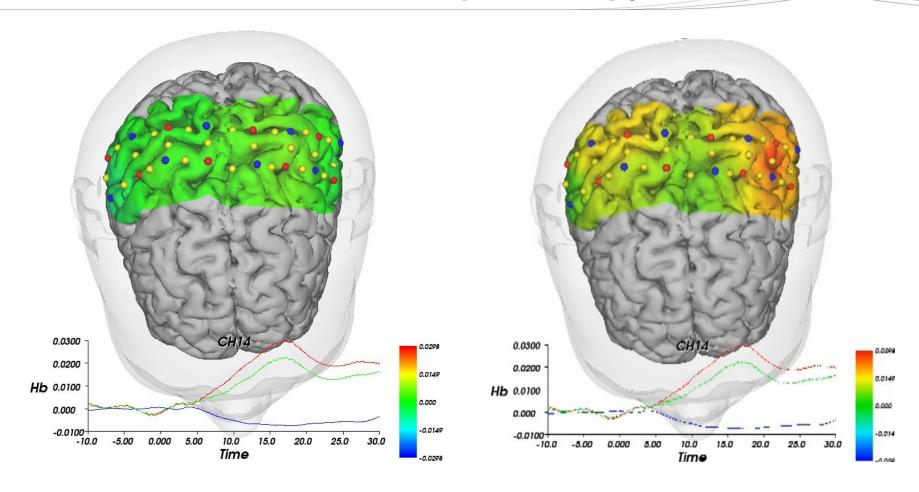


Analysis of everyday tasks and other experimental conditions such as medicine, psychology, education

By measuring changes in near-infrared light, it allows researchers to monitor blood flow in the surface of the brain



Functional Near-Infrared Spetroscopy



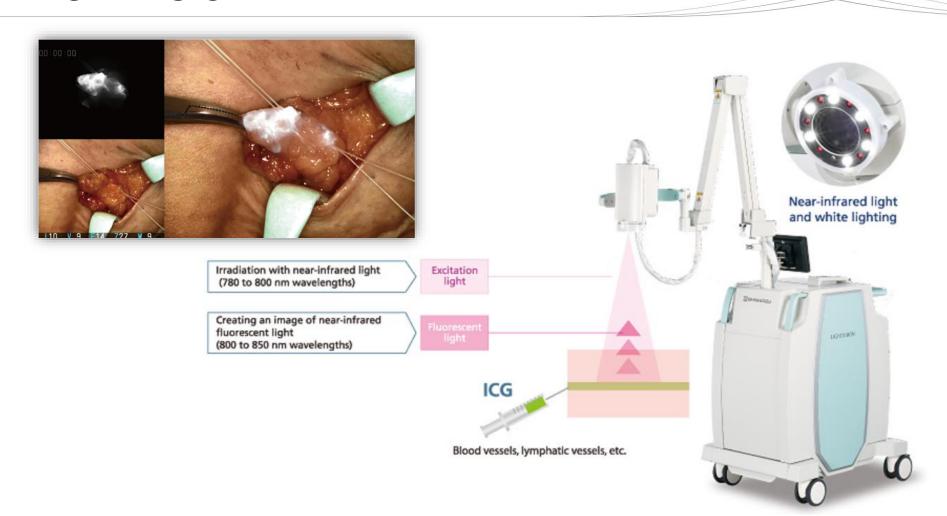


LIGHTVISION





LIGHTVISION





Thank you for your attention!



European Innovation Center