Diagnosis by mass spectrometry

Problem

Mass spectrometry emerged as a breakthrough technology for differentiated diagnostics. Some routine examples are diagnostics of pathogenic microorganisms, anti-doping tests, and aminoacidopathies. However, the solutions that exist in state-of-the-art laboratories cannot, for example, differentiate between bacteria that are or are not resistant to antibiotics, point out the agents that cause immediate sepsis, or even, in more unusual cases, point out the origin of poisoning.

Solution

Methodology that includes a differentiated form of mass spectrometry analysis (LC/MS/MS) in conjunction with an artificial intelligence platform that solves and overcomes the above bottlenecks. Our computing environment is able to "learn" to diagnose virtually any pathology with protein changes.
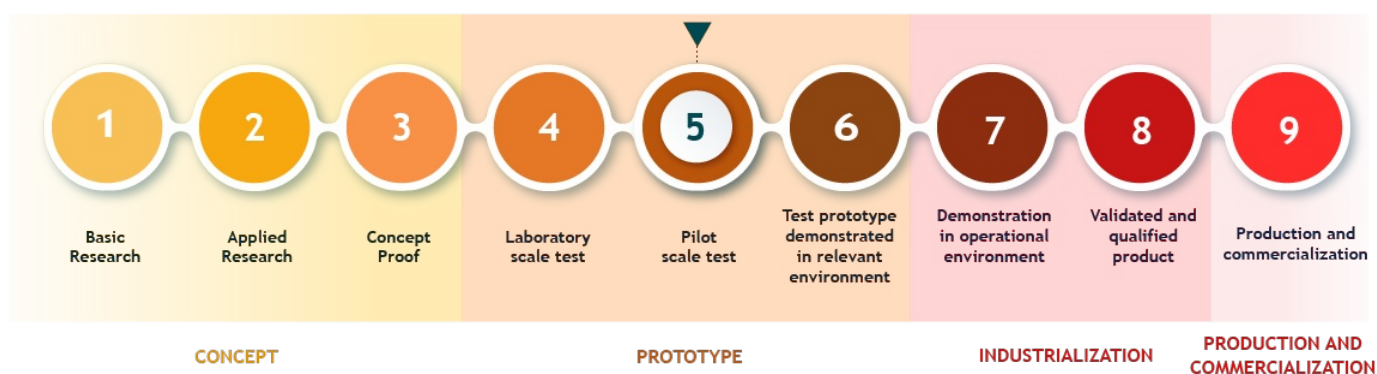
Differential

| Specificity | Artificial intelligence | Time reduction |

Development stage

| 1 Basic Research | 2 Applied Research | 3 Concept Proof | 4 Laboratory scale test | 5 Pilot scale test | 6 Test prototype demonstrated in relevant environment | 7 Demonstration in operational environment | 8 Validated and qualified product | 9 Production and commercialization |

CONCEPT · PROTOTYPE · INDUSTRIALIZATION · PRODUCTION AND COMMERCIALIZATION

What we are searching for

Commercialization of the methodologies together with the software.

WANT MORE INFORMATION? CONTACT US!

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