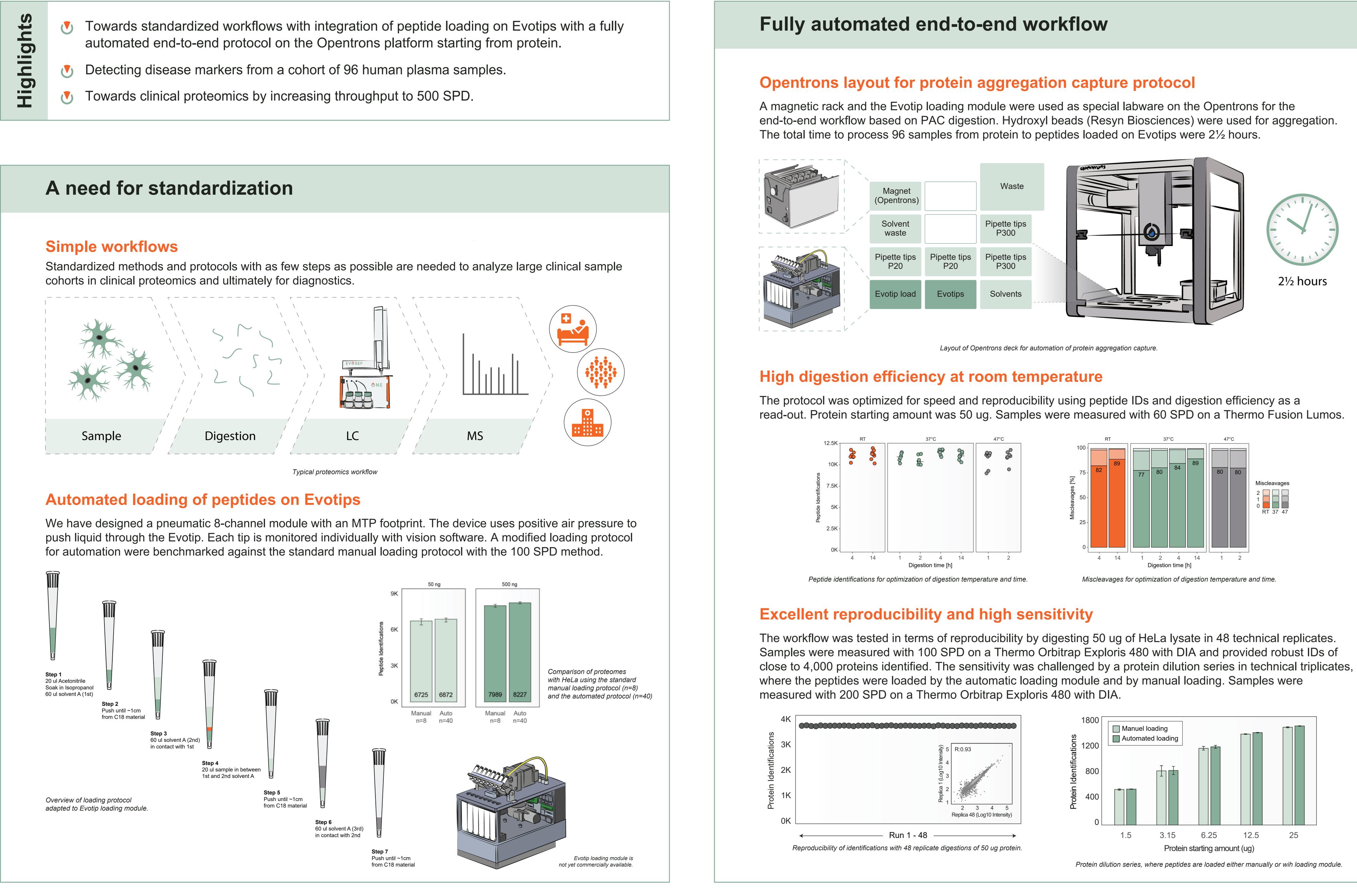
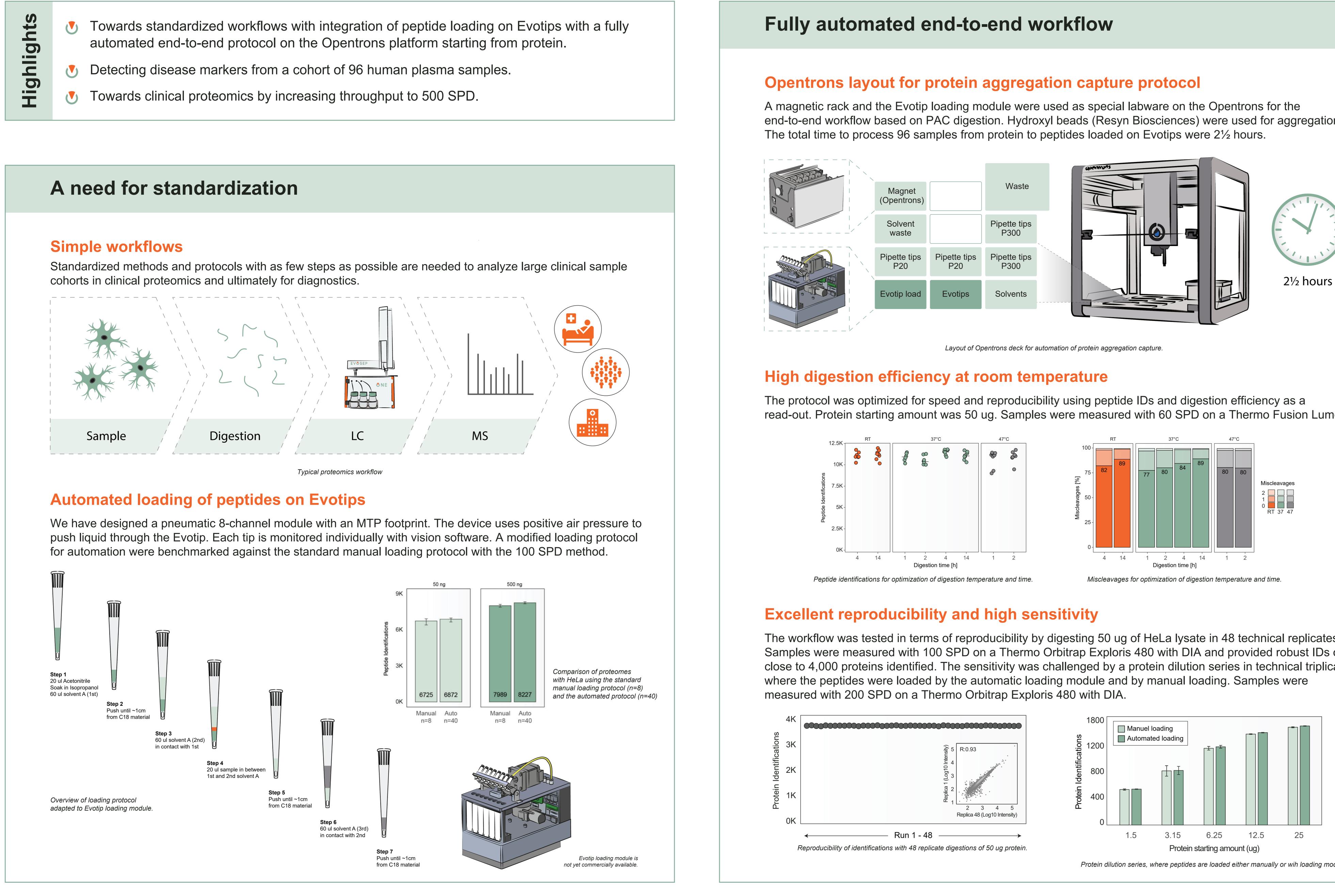
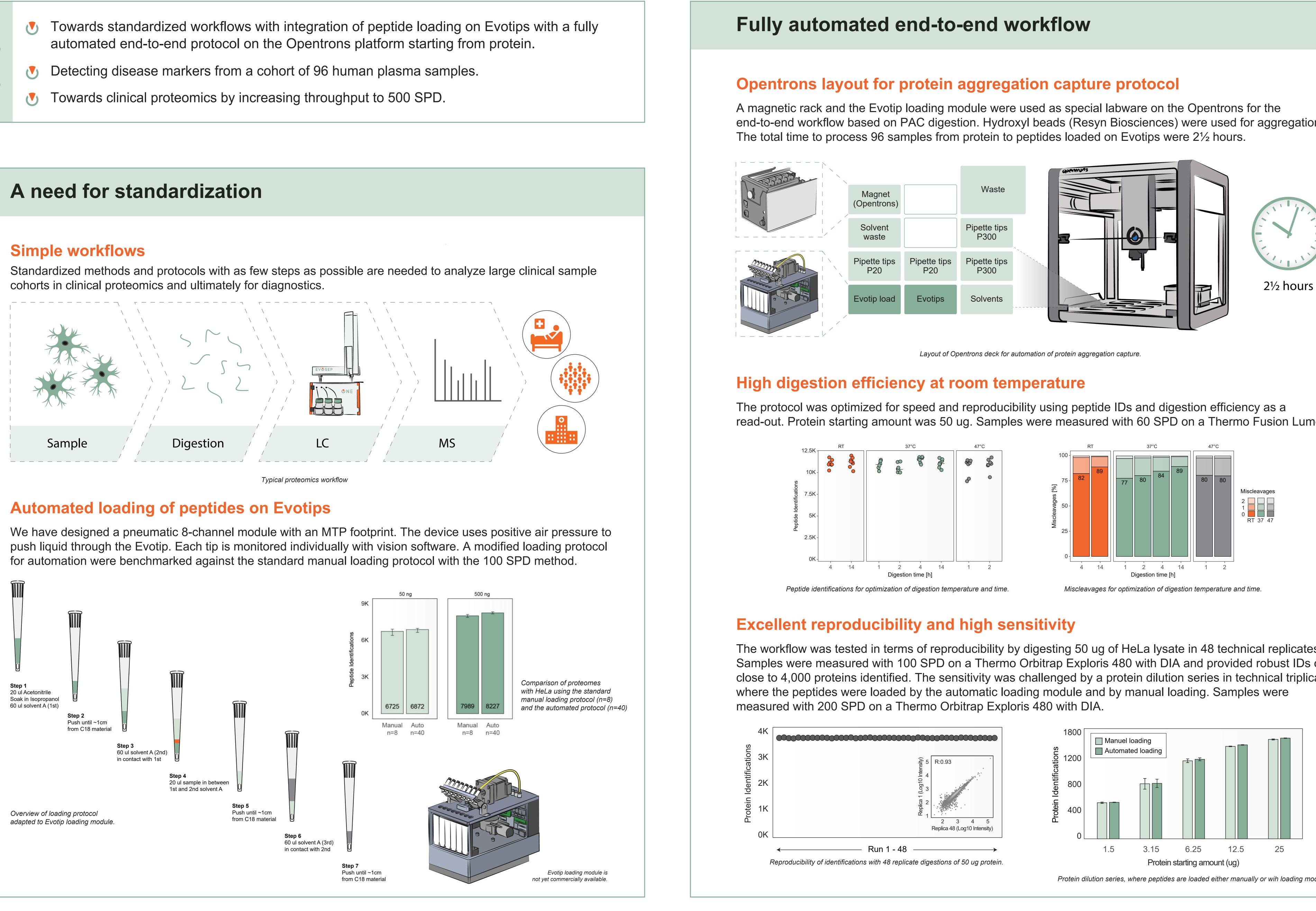
A complete and automated sample preparation strategy for high-throughput and standardized proteomics, applied to a clinical cohort of patient plasma samples

Dorte B. Bekker-Jensen^{1,2}, Florian Harking², Ole Østergaard², Lasse Falkenby¹, Line Vinderslev Iversen^{3,4,5}, Jakob Bunkenborg¹, Angie McArdle¹, Ole B. Hørning¹, Nicolai Bache¹, Jesper V. Olsen² ¹Evosep Biosystems, Denmark, ²University of Copenhagen, Denmark, ³Statens Serum Institut, Denmark, ⁴Bispebjerg University Hospital, Denmark, ⁵Odense University Hospital, Denmark







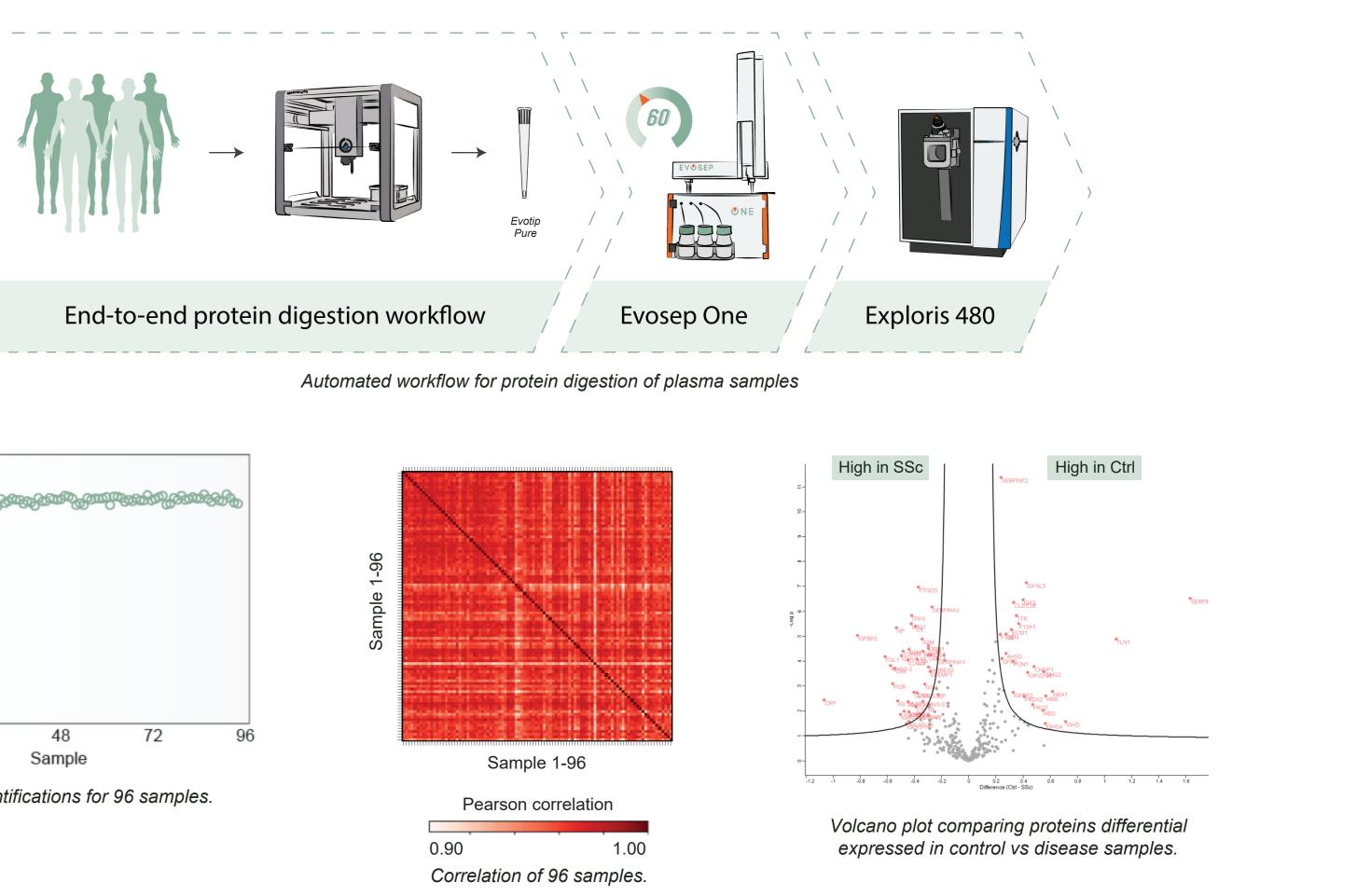
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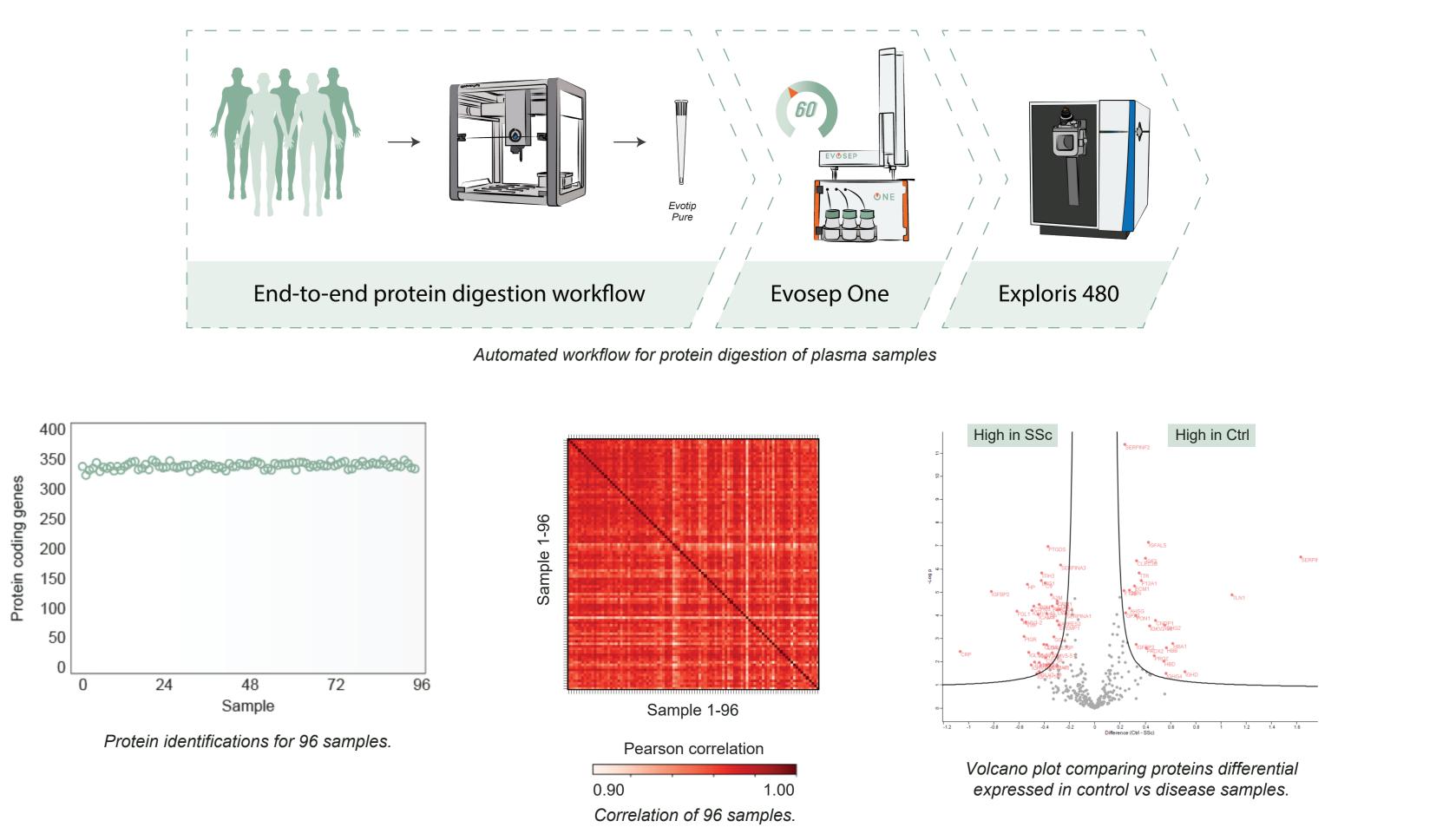


High-throughput plasma proteome profiling

Clinical applicability to patients with systemic sclerosis

To demonstrate clinical applicability, we tested a sample cohort of 96 plasma samples collected from 48 patients diagnosed with the incurable autoimmune disease, systemic sclerosis, where diagnosis in an early phase is still difficult due to lack of symptoms, and compared these to plasma samples from 48 healthy control individuals.





Faster chromatography with up to 500 samples analyzed per day

Automated sample preparation workflows require faster chromatography. We have developed a robust method with 500 samples analyzed per day with two minutes gradient time. For high throughput analysis of complex samples, highest peak capacity in the shortest time is a relevant measure, which is achieved by the fastest method.

