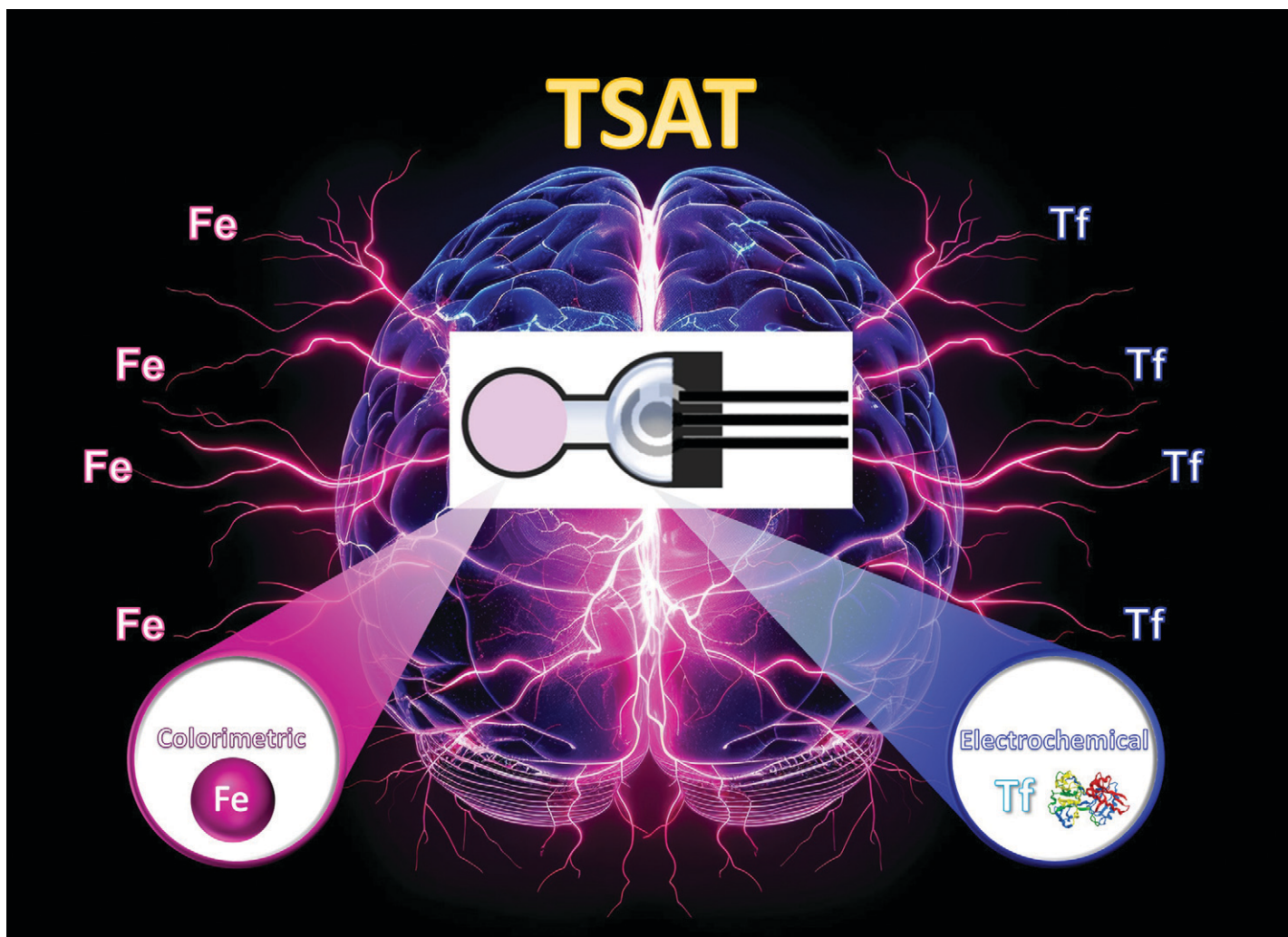


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Showcasing research in Analytical Micro and Nano Technologies from Professor Alberto Escarpa's laboratory, Department of Analytical Chemistry, Physical Chemistry and Chemical Engineering, University of Alcalá, Madrid, Spain.

A dual colorimetric-electrochemical microfluidic paper-based analytical device for point-of-care testing of ischemic strokes

We propose a microfluidic paper-based analytical device for the reliable assessment of transferrin saturation biomarker (TSAT) integrating both Fe colorimetric (left side brain) and Tf electrochemical (right side brain) detection. The integrated dual colorimetric-electrochemical paper chip becomes promising point-of-care testing to assist physicians in the fast diagnosis and prognosis of ischemic stroke, where the time to decide is crucial for a patient's survival. Image credit: Silvia Dorte, Marta Pacheco and Alberto Escarpa. Copyright holders: Silvia Dorte, Marta Pacheco, Teresa Gasull, Agustín G. Crevillen, Alberto Escarpa

As featured in:



See Alberto Escarpa *et al.*,
Lab Chip, 2024, **24**, 4253.