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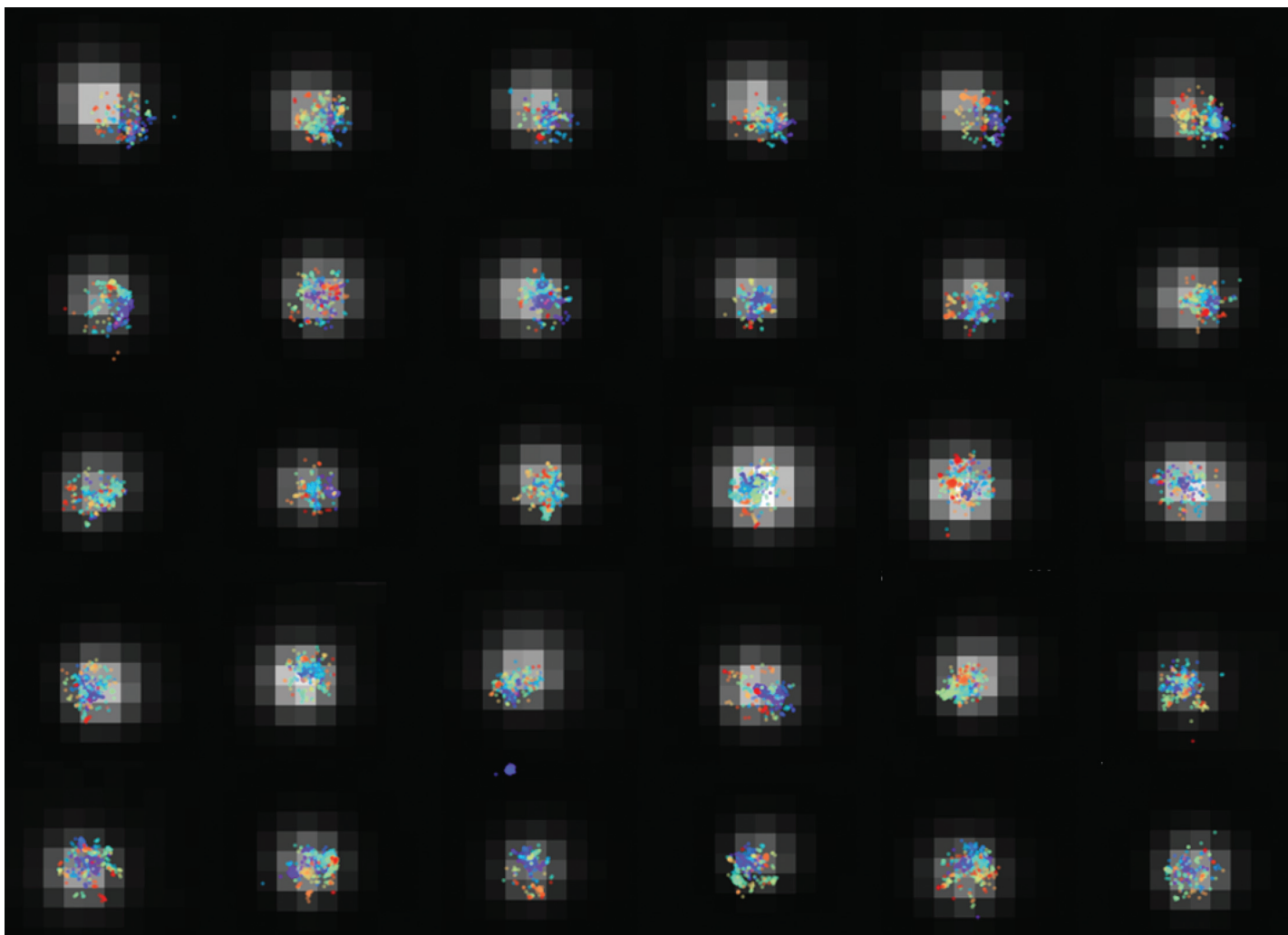
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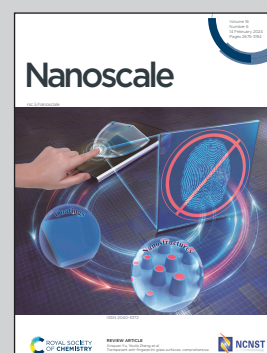


Showcasing research from the laboratories of Professor Sánchez, Institute for Bioengineering of Catalonia, Spain, and Professor Patiño, Biomedical Engineering Department, Institute for Complex Molecular Systems, Eindhoven University of Technology, The Netherlands.

Unveiling protein corona formation around self-propelled enzyme nanomotors by nanoscopy

In this work, stochastic optical reconstruction microscopy (STORM) was used to identify the protein corona formation around enzyme-powered nanomotors. Proteomic analysis revealed that not only did nanomotor activity induce a decrease in the amount of proteins bound to the nanomotor by 20%, but it also significantly changed the types of proteins forming the protein corona. These results will pave the way for a better understanding of the behaviour of catalytic nanomotors in biological media, making designs for biological applications safer and more efficient.

As featured in:



See Tania Patiño, Lorenzo Albertazzi, Samuel Sánchez *et al.*, *Nanoscale*, 2024, **16**, 2904.