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ALFONSO VALENCIA

Microbial production of plant metabolites has economic & environmental benefits over traditional extraction and chemical methods. Despite initial progress & the successful market introduction of some molecules, the microbial production of oxygenated plant metabolites (OPMs) mediated by cytochrome P450 enzymes (CYPs) is still lagging, making them almost inaccessible to...

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JOSE JULIO GUTIERREZ MORENO

The field of catalytic green hydrogen production, although indispensable for the transition to a renewable future, still suffers from widespread irreproducibility of results that limits its full commercialisation. The largest obstacle lies in the methods widely employed in synthesising the active catalysts, which impede unambiguously identifying the property-structure...

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MultiSeq: A novel computational method for multiplexing Next-Generation Sequencing
TONI GABALDON

The recent advances in Next-Generation Sequencing (NGS) of nucleic acids (i.e. DNA or RNA) have transformed biology and medicine. Today, NGS is one of the main pillars of research in various biological disciplines and it has already pervaded numerous fields of applications ranging from the clinics to the biotechnological industry. Given its versatility and high demand, the...

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ORIOL PINEDA MARTINEZ

New architectures for Exascale and post-Exascale computers will have massively parallel and heterogeneous processing capabilities that will require the complete redesign and reimplementation of the used algorithms to fully exploit the possibilities of these supercomputers. The objective of the Inno4scale project is to promote the efficient use of European HPC systems by...

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DAVID MODESTO

The transport sector represents around 25% of all EU CO2 emissions. To face this challenge, the NEXTBAT consortium, involving 12 partners from 6 different EU countries and 1 Associated Partner from Switzerland, will provide a new framework for standardization of the next generation of battery system design that will contribute to speed up a safe and sustainable...

[RES-ICTS: Red Española de Supercomputación (RES)](#)
MATEO VALERO CORTES

La Red Española de Supercomputación (RES) es una ICTS distribuida perteneciente al mapa de ICTS cuya actualización fue aprobada el 7 deoctubre de 2014 por el Consejo de Política Científica, Tecnológica y de Innovación, como estructura y foro permanente de coordinación de las estrategias de supercomputación, las...

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