

Factsheet



ACRONYM	ComplexINC
FULL TITLE	New Technologies and Production Tools for Complex Protein Biologics
PROGRAMME	FP7/SME-targeted research for developing tools and technologies for high-throughput research
CONTRACT NUMBER	279039
ABSTRACT	<p>ComplexINC conceptualizes and systematically generates advanced tool-kits to enable high-throughput assembly of complex biologics and metabolic pathways in eukaryotic expression systems, for micro- to large scale production of high-quality protein specimens for drug discovery and as bio-therapeutics. Essential parts of these tool-kits will be innovative next-generation HT DNA assembly pipelines for automated multigene expression construct generation, a superior synthetic viral genome, genetically engineered animal and yeast celllines with unique capabilities with respect to protein maturation and modification, as well as advanced methods for bioprocessing and integrated quality control. Putting these tools and production technologies in place will have a dramatic impact on the availability of challenging proteins and protein complexes including such of human origin, with tailor-made properties specifically geared towards their application in drug discovery and in the treatment of human diseases. The superior next generation technology platforms created within ComplexINC, the generated IP, protein targets and therapeutics will be commercially exploited, and serve as a nucleus to initiate a new start-up enterprise to commercialize high-end biologics discovery and production.</p>
DURATION	48 months (01/11/2011 – 31/10/2015)
PROJECT FUNDING	5,999,682.80 €
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