



Action FA1006 Fact Sheet

Title

Plant Metabolic Engineering for High Value Products

Contacts

MC Chair	Science Officer:	Administrative Officer:
Prof. Heribert WARZECHA Tel. +49 6151164024 Fax. +49 6151164630 warzecha@bio.tu-darmstadt.de	Dr Ioanna STAVRIDOU COST Office ioanna.stavridou@cost.eu 0032498173151	Mr Christophe PEETERS COST Office christophe.peeters@cost.eu +32 2 533 38 43

Details

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Start of Action:	19/04/2011	Entry into force:	18/01/2011
End of Action:	18/04/2015	CSO approval date:	02/12/2010

Objectives

The main objective of the Action is cross-linking within a multi-disciplinary network European scientists with diverse expertise on plant natural products (PNP) chemistry, plant metabolic engineering, plant enzymology, systems biology and computational biology, and chemistry to define and develop rational design strategies to produce known and novel PNP of pharmaceutical and industrial interest in a sustainable, economical, and ecological way. A tremendous amount of knowledge has been gained during the last decades about the biosynthetic capacity of plants and the pathways leading to the formation of plant natural products (PNPs), many of which are of high relevance as pharmaceuticals or fine chemicals for industries. To fully exploit the capacity of engineering plants for the production of high value PNPs this Action will support and enhance a pan-European network which will amalgamate resources, define target pathways and prioritize compounds, disseminate novel technologies and applications, set standards for computational support, and develop synthetic approaches in plant metabolic engineering. Outcomes will help guiding researchers in the design of plants as production host and provide building blocks for pathway engineering.



Parties							
Country	Date	Country	Date	Country	Date	Country	Date
Austria	12/04/2011	Belgium	04/04/2011	Bulgaria	05/11/2013	Czech Republic	17/03/2011
Denmark	08/06/2011	Finland	07/02/2011	France	18/01/2011	Germany	20/01/2011
Greece	18/01/2011	Ireland	30/05/2014	Israel	18/01/2011	Italy	07/02/2011
Netherlands	17/02/2011	Norway	17/03/2011	Poland	18/01/2011	Portugal	18/01/2011
Romania	09/03/2011	Serbia	09/11/2011	Slovakia	25/01/2012	Slovenia	20/07/2012
Spain	21/01/2011	Sweden	10/05/2011	Switzerland	23/02/2011	Turkey	24/05/2011
United Kingdom	18/01/2011						

Total: 25

Intentions to accept the MoU							
Country	Date	Country	Date	Country	Date	Country	Date

Total: 0

Working Groups
None

Website
http://www.plantengine.eu

Management Committee	
Chair	Vice Chair
Prof. Heribert WARZECHA Technische Universitaet Darmstadt Institut fuer Botanik, Schnittspahnstrasse 3-564287 Darmstadt Germany warzecha@bio.tu-darmstadt.de	Prof Paul FRASER RHULEgham Hill, Egham TW200EX London United Kingdom P.Fraser@rhul.ac.uk
Domain Committee Rapporteur	

Austria	
Dr Christoph WAWROSCH MC Member University of Vienna, Dept. of Pharmacognosy Althanstr. 14A-1090 Vienna Austria christoph.wawrosch@univie.ac.at	Dr Heidi HALBWIRTH MC Member (not yet registered) hhalb@mail.zserv.tuwien.ac.at PENDING
Prof. Karl STICH MC Substitute (not yet registered) kstich@mail.zserv.tuwien.ac.at PENDING	



Belgium	
Prof. Alain GOOSSENS MC Member VIB-UGentTechnologiepark 927B-9052 GentBelgium algoo@psb.vib-ugent.be	

Bulgaria	
Dr Milen GEORGIEV MC Member The Stephan Angeloff Institute of Microbiology139 Ruski Blvd.,4000 PlovdivBulgaria milengeorgiev@gbg.bg	

Czech Republic	
Dr Petr MARSIK MC Member Institute of Experimental BotanyRozvojova 263, Praha 6 - Lysolaje165 02 PragueCzech Republic marsik@ueb.cas.cz	Prof. Jana HAJŠLOVA MC Member (not yet registered) jana.hajslova@vscht.cz PENDING

Denmark	
Prof. Barbara Ann HALKIER MC Member Faculty of Life Sciences, University of CopenhagenThorvaldsensvej 401871 Frederiksberg CDenmark bah@life.ku.dk	Prof. Sren BAK MC Member University of Copenhagen, faculty of LIFE SciencesDepartment of Plant biology and Biotechnology, Thorvaldsensvej 40DK-1871 Copenhagen, Frederiksberg CDenmark bak@life.ku.dk

Finland	
Dr Heiko RISCHER MC Member VTT Technical Research Centre of FinlandTietotie 202044 EspooFinland heiko.rischer@vtt.fi	Prof. Teemu TEERI MC Member University of HelsinkiDepartment of Agricultural Sciences, Latokartanonkaari 700014 UH HelsinkiFinland teemu.teeri@helsinki.fi
Dr Kirsi-Marja OKSMAN-CALDENTY MC Substitute VTTP.O. Box 100002044 EspooFinland kirsi-marja.oksman@vtt.fi	

France	
Dr Brigitte THOMASSET MC Member Universite de Technologie de CompiègneUMR CNRS 6022, GEC, Centre de Recherche de Royallieu60205 CompiègneFrance brigitte.thomasset@utc.fr	Prof. François MESNARD MC Member Universit de Picardie Jules VerneFaculty of Pharmacy, EA 3900 BIOPI, 1, rue des Louvels80037 AmiensFrance francois.mesnard@u-picardie.fr



Germany	
<p>Prof Oliver KAYSER MC Member Technical University Dortmund Technical Biochemistry, Emil-Figge-Strasse 6644227 Dortmund Germany oliver.kayser@bci.tu-dortmund.de</p>	<p>Prof. Kay HAMACHER MC Substitute TU Darmstadt Schnittspahnstr. 1064287 Darmstadt Germany hamacher@bio.tu-darmstadt.de</p>
<p>Prof Ludger WESSJOHANN MC Substitute Leibniz Institute of Plant Biochemistry Weinberg 306120 Halle (Saale) Germany wessjohann@ipb-halle.de</p>	
Greece	
<p>Prof. Fragiskos KOLISIS MC Member NTUA9 Iroon Polytechniou 15700 Athens Greece kolisis@chemeng.ntua.gr</p>	<p>Prof. Kosmas HARALAMPIDIS MC Member University of Athens Faculty of Biology, Department of Botany, University Campus Zografou 15784 Athens Greece kharalamp@biol.uoa.gr</p>
<p>Prof. Andreas ROUSSIS MC Substitute aroussis@biol.uoa.gr</p>	
Ireland	
<p>Dr John MORRISSEY MC Member University College Cork Microbiology Department, University College Cork 1 Cork Ireland j.morrissey@ucc.ie</p>	
Israel	
<p>Dr Efraim LEWINSOHN MC Member Agricultural Research Organization P.O. Box 102130095 Ramat Yishay Israel twefraim@volcani.agri.gov.il</p>	<p>Prof. Joseph HIRSCHBERG MC Member The Hebrew University Department of Genetics, Givat Ram 91904 Jerusalem Israel hirschu@vms.huji.ac.il</p>
<p>Dr Michal OREN-SHAMIR MC Substitute Volcani Center P.O. Box 650250 Bet-Dagan Israel vhshamir@agri.gov.il</p>	<p>Dr Michal OREN-SHAMIR MC Substitute Volcani Center P.O. Box 650250 Bet-Dagan Israel vhshamir@agri.gov.il</p>
Italy	
<p>Prof Antonietta LEONE MC Member University of Salerno via ponte Don Melillo s/n I-84084 Fisciano Italy aleone@unisa.it</p>	<p>Dr Stefan MARTENS MC Member Edmund Mach Foundation Dipartimento Qualita Alimentare e Nutrizione, Biotecnologia dei Prodotti Naturali, Via E. Mach, 138010 San Michele all'Adige Italy stefan.martens@iasma.it</p>



Netherlands	
Prof Harro BOUWMEESTER MC Member Wageningen University Laboratory of Plant Physiology, Droevendaalsesteeg 16708 PB Wageningen Netherlands harro.bouwmeester@wur.nl	Prof Rob VERPOORTE MC Member IBL, Leiden University Gorlaeus Laboratoria 2300RA Leiden Netherlands verpoort@chem.leidenuniv.nl
Dr Sander VAN DER KROL MC Substitute Wageningen University Arboretumlaan 4 6703 BD Wageningen Netherlands sander.vanderkrol@wur.nl	Prof. Dirk BOSCH MC Substitute Plant Research International Droevendaalsesteeg 16700AA Wageningen Netherlands dirk.bosch@wur.nl

Norway	
Ms Marit ALMVIK MC Member Bioforsk Høgskoleveien 7N-1642 S Norway marit.almvik@bioforsk.no	Dr Inger MARTINUSSEN MC Member Bioforsk Nord Holtveien 669269 Troms Norway inger.martinussen@bioforsk.no
Dr Jens ROHLOFF MC Substitute Norwegian University of Science and Technology (NTNU), Dep. Biology Realfagbygget 7491 Trondheim Norway jens.rohloff@bio.ntnu.no	Prof Kirsten KRAUSE MC Substitute University of Troms Breivika 9037 Troms Norway kirsten.krause@uit.no

Poland	
Prof. Ewa KULA-SWIEZEWSKA MC Member Institute of Biochemistry and Biophysics Polish Academy of Sciences Pawinskiego 5a02-106 Warsaw Poland ewas@ibb.waw.pl	Dr Miroslaw TYRKA MC Member Rzeszow University of Technology Dept. Biochemistry and Biotechnology, al. Powstancow Warszawy 635-959 Rzeszow Poland mtyrka@prz.edu.pl
Dr Malgorzata KARBARZ MC Substitute University of Rzeszow Faculty of Biotechnology Werynia 502 36-100 Kolbuszowa Poland karbarz.m@gmail.com	

Portugal	
Prof Mariana SOTTOMAYOR MC Member Faculdade de Ciências da Universidade do Porto Rua do Campo Alegre, s/n 4169-007 Porto Portugal msottoma@ibmc.up.pt	Dr Patricia DUARTE MC Substitute (not yet registered) pduarte@ibmc.up.pt PENDING

Romania	
Prof. Carmen SOCACIU MC Member Faculty of Agriculture/Food Science and Technology University of Agricultural Sciences and Veterinary Medicine str. Manastur 3-5400372 Cluj-Napoca Romania carmen.socaciu@usamvcluj.ro	Ms Anca BACIU MC Member (not yet registered) cproplanta@yahoo.com PENDING



Serbia	
Dr Radomir RATAJAC MC Member Scientific Veterinary Institute Novi SadRumenacki pu 20, Novi Sad21000 Novi SadSerbia ratajac@niv.ns.ac.rs	Prof. Dragica STOJANOVIC MC Substitute Scientific veterinary institute Novi SadRumenacki put 20, Novi Sad21000 Novi SadSerbia dragica@niv.ns.ac.rs

Slovakia	
Dr Jana MORAVCIKOVA MC Member Institute of Plant Genetics and BiotechnologyAkademicka 2, Nitra949 11 NitraSlovakia jana.moravcikova@savba.sk	

Slovenia	
Dr Robert VEBERIC MC Member University of Ljubljana, Biotechnical facultyJamnikarjeva 1011000 LjubljanaSlovenia robert.veberic@bf.uni-lj.si	Dr Kristina GRUDEN MC Member national institute of biologyvecna pot 1111000 LjubljanaSlovenia Kristina.Gruden@nib.si
Prof. Franc STAMPAR MC Substitute Chair for fruit growingBiotechnical facultyUniversity of LjubljanaJamnikarjeva 1011000 LjubljanaSlovenia franci.stampar@bf.uni-lj.si	

Spain	
Prof. Maria Angeles PEDRENO MC Member Universidad de MurciaDpt Plant Biology. Faculty of Biology. Campus Universitario de Espinardo30100 MurciaSpain mpedreno@um.es	Prof. Rosa CUSIDO MC Member University of Barcelona. Faculty of PharmacyAvda Diagonal 64308028 BarcelonaSpain rcusido@ub.edu
Dr Juan SEGURA MC Substitute Universidad de ValenciaFacultad de Farmacia, Dep. Biologia Vegetal, Av. Vicente Andres Estelles s/n46100 BurjasotSpain juan.segura@uv.es	Dr Purificacion CORCHETE MC Substitute University of SalamancaDepartment Plant Physiology, Faculty of Biology, Campus Miguel de Unamuno37007 SalamancaSpain corchpu@usal.es

Sweden	
Prof. Peter BRODELIUS MC Member Linnaeus UniversitySchool of Natural Sciences39182 KalmarSweden peter.brodelius@lnu.se	

Switzerland	
Prof. Yves POIRIER MC Member University of LausanneDepartment of Plant Molecular Biology, Biophore BuildingCH-1015 LausanneSwitzerland Yves.Poirier@unil.ch	Dr Iris POGGENDORF MC Member ZHAWGruental8820 WaedenswilSwitzerland iris.poggendorf@zhaw.ch



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Food and Agriculture

COST Grant System
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Turkey	
Prof Turgay UNVER MC Member Cankiri Karatekin UniversityCankiri Karatekin University, Faculty of Science, Dep. Biology, Ballica kampusu18100 CankiriTurkey turgayunver@gmail.com	Prof. Ufuk CELIKKOL AKCAY MC Member Suleyman Demirel UniversityAgricultural Biotechnology32260 IspartaTurkey ufukakcay@sdu.edu.tr

United Kingdom	
Prof Paul FRASER MC Member RHULEgham Hill, EghamTw200EX LondonUnited Kingdom P.Fraser@rhul.ac.uk	

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