

Detailed Program

Wednesday 7th October, 2009

11h00-14h30 Registration and Poster hanging

14h30 **Opening Ceremony**

Minister for Science and Technology (Mariano Gago)
 Rector of Universidade Nova de Lisboa (António Rendas)
 President of the Portuguese Foundation for Science and Technology (João Sentieiro)
 Mayor of the City Council (António Costa)
 Director of GABI (Dirk Buessis)
 Local Organisers (M. Margarida Oliveira, Cândido Pinto Ricardo)

Opening Session -

Chairs:

Margarida Oliveira (ITQB-UNL, PT) & C. Pinto Ricardo (ITQB-UNL, PT)

15h00 **Nina Fedoroff (PenState Univ.USA)**

"MicroRNA biogenesis in Arabidopsis"

16h00 **Catherine Feuillet (INRA, F)**

"Sequencing the wheat genome? Yes, we can"

17h00 *Coffee-break*

Session 1 -

Chairs:

Genomics of abiotic stress response

Antonio Tibúrcio (Univ.Barcelona, SP) & Sara Amâncio (ISA, PT)

17h30 **Christine Foyer (Univ. Newcastle, UK)**

"Cellular Redox Homeostasis and Regulation of Plant Growth and Defence"

18h00 **Elena Baena-González (IGC, PT)**

"Convergent stress and energy signaling"

18h30 Camila Caldana, Thomas Degenkolbe, Alvaro Cuadro-Inostroza, Sebastian Klie, Andrea Leisse, Dirk Steinhauser, Lothar Willmitzer, Matthew A Hannah

SYSTEM-WIDE METABOLIC REPROGRAMMING IN RESPONSE TO INTERACTING ENVIRONMENTAL GRADIENTS

18h45 Jeffrey Leung, Michael R Blatt, Jens Uwe Sutter, Aleksandra Wasilewska

A REVERSE HALF-MOLECULE ABC TRANSPORTER INTEGRATES LIGHT AND ABSCISIC ACID SIGNALS IN STOMATAL REGULATION

19h00 Triin Vahisalu, Irina Puzõrjova, Mikael Brosché, Heino Moldau, Priit Pechter, Yuh-Shuh Wang, Jarkko Salojärvi, Jaakko Kangasjärvi, Hannes Kollist

OZONE-TRIGGERED RAPID STOMATAL RESPONSE INVOLVES PRODUCTION OF ROS AND IS GOVERNED BY SLAC1 AND OST1

19h15 Ana Paula Farinha, Sami Irar, Montserrat Pagés, M. Margarida Oliveira

PROTEOMIC ANALYSIS OF RICE VARIETIES (ORYZA SATIVA L.) WITH CONTRASTING SENSITIVITY TO ABIOTIC STRESS

19h30 **WELCOME RECEPTION**

(at the Meeting Venue)

Session 2 - <i>Chairs:</i>		Genomics of biotic interactions Kristina Gruden (NIB, SI) & Teresa Lino Neto (Univ. Minho, PT)
08h30	Charles H. Opperman (North Carolina State Univ., USA)	<i>"Plant-parasitic nematode genomes: Comparative analysis begins to reveal paths to adaptation and evolution"</i>
09h00	Sophien Kamoun (The Sainsbury Laboratory, UK)	<i>"Functional and evolutionary dynamics of oomycete effectors"</i>
09h30	Špela Baebler, Polona Kogovšek, Ana Rotter, Kamil Witek, David Dobnik, Marko Petek, Katja Barle, Maruša Pompe-Novak, Jana Žel, Jacek Hennig, Maja Ravnikar, Kristina Gruden	TOWARDS UNDERSTANDING BIOLOGY OF POTATO-PVY INTERACTION
09h45	Tiago Lourenço, Tânia Serra, Nelson Saibo, Cândido Pinto Ricardo, M. Margarida Oliveira	THE ROLE OF OsHOS1 IN THE MODULATION OF ABIOTIC AND BIOTIC STRESS
10h00	Hassen Gherbi V, Valérie Hocher, Florence Auguy, Patrick Dumas, Sergio Svistoonoff, Laurent Laplaze, Claudine Franche, Didier Bogusz	FUNCTIONAL GENOMICS AS A TOOL TO STUDY SIGNAL TRANSDUCTION PATHWAY IN CASUARINA-FRANKIA ACTINORHIZAL SYMBIOSIS
10h15	Sandra Fonseca, Andrea Chini, Mats Hamberg, Bruce Adie, Andrea Porzel, Robert Kramell, Otto Miersch, Claus Wasternack, Roberto Solano	(+)-7-ISO-JASMONOYL-L-ISOLEUCINE IS THE HORMONE THAT TRIGGERS THE JASMONATE SIGNALING PATHWAY
10h30	<i>Coffee-break</i>	
Session 3 - <i>Chairs:</i>		Plant genomics and sustainable agriculture Roberto Tuberosa (DiSTA, IT) & Ana Ribeiro (IICT, PT)
11h00	Gebisa Ejeta (Purdue, USA) & Cecile Grenier (CIAT, Col)	<i>"Integrating Genomic, Genetic, and Agronomic Technologies for Control of Striga"</i>
11h30	Rajeev K. Varshney (ICRISAT, India)	<i>"Developing genomic resources for enabling genomics-assisted breeding in chickpea"</i>
12h00	Ana Margarida Fortes, Marta S. Silva, Ali Kashiff, Federica Maltese, Young H. Choi, Lisete Sousa, José M. Martínez-Zapater, Rob Verpoorte, Rui Malhó, Maria S. Pais	TRANSCRIPTIONAL AND METABOLIC PROFILING DURING RIPENING OF TRINCADEIRA GRAPES
12h15	Abel Barrios, Alberto Martin, Sonia Ramos, Björn Rotter, Ralf Horres, Anne Plötner, Nico Kretzdorn, Constantino Caminero Saldana, Marcelino P. Vega, Peter Winter	BULKED EXTREMES SUPERTAG DIGITAL GENE EXPRESSION (BE-STDGE) PROFILING: A FAST TRACK TO GENES UNDERLYING COLD TOLERANCE
12h30	James Cockram, Jon White, Diana Zuluaga, Ian Mackay, Zewei Luo, Mike Kearsey, Jordi Comadran, David Marshall, Luke Ramsay, Bill Thomas, David Harrap, Peter Werner, AGOUEB, Robbie Waugh, Donal O'Sullivan	GENOME-WIDE ASSOCIATION MAPPING OF MULTIPLE MORPHOLOGICAL TRAITS IN BARLEY
12h45	Tian Tang, Haijun Wen, Ziwen He, Bin Zhang, Suhua Shi, Chung-I Wu	REGIONS OF SELECTIVE SWEEP IN DOMESTICATED RICE REVEALED BY WHOLE-GENOME SEQUENCING
13h00	<i>LUNCH</i>	

14h00 **POSTERS** *EVEN NUMBERS*

Session 4 –

Epigenetics, small RNAs and chromatin structure

Chairs:

Nina Fedoroff (Penn State Univ., USA) & Wanda Viegas (ISA, PT)

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| 15h00 | Barbara Hohn (Emeritus, Friedrich-Miescher Inst., CH) | <i>"Environmental influences on plant genome dynamics"</i> |
| 15h30 | Olga Pontes (Washington Univ., USA) | <i>"Functional significance of nuclear compartmentalization in the regulation of RNA-directed DNA methylation in Arabidopsis thaliana"</i> |
| 16h00 | Boris Vanyushin, L.I.Fedoreyeva, V.V. Ashapkin, P.N. Kharchenko | ADENINE DNA METHYLATION AND UNIQUE ENDONUCLEASES IN PLANTS |
| 16h15 | Tatjana Sjakste, Kristina Bielskiene, Marion Röder, Lida Bagdoniene, Nikolajs Sjakste | TISSUE AND DEVELOPMENT SPECIFIC CHANGES IN THE TIGHT DNA-PROTEIN COMPLEXES IN BARLEY GENES AND CHROMOSOMES |
| 16h30 | Katerina Krizova, Miloslava Fojtova, Ann Depicker, Ales Kovarik | DYNAMIC OF EPIGENETIC SWITCHING BETWEEN POSTTRANSCRIPTIONAL AND TRANSCRIPTIONAL TRANSGENE SILENCING IN TOBACCO |
| 16h45 | Liliana Ferreira, M. Margarida Oliveira, Ana Paula Santos | ENVIRONMENTAL STRESS AFFECTS INTERPHASE RIBOSOMAL CHROMATIN ORGANIZATION |
| 17h00 | <i>Coffee-break</i> | |

Session 5 -

Genome structure, evolution and comparative genomics

Chairs:

Ian King (Aberystwyth Univ., UK) & Carlos Faro (BIOCANT, PT)

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| 17h30 | Pere Arús (IRTA, Spain) | <i>"The peach: variability, genome knowledge and comparison with other rosaceous genomes"</i> |
| 18h00 | Michele Morgante (Udine Univ., Italy) | <i>"The grapevine pan-genome: structure, diversity and function"</i> |
| 18h30 | Miguel Bento, Augusta Barão, Perry Gustafson, Wanda Viegas, Manuela Silva | GENOME EVOLUTION BY POLYPLOIDIZATION: BACKCROSS ENHANCES DNA SEQUENCE RESTRUCTURING IN TRITICALE |
| 18h45 | Ezio Portis, Alberto Acquadro, Davide Scaglione, Giovanni Mauromicale, Rosario Mauro, Chris A. Taylor, Steven J. Knapp, Sergio Lanteri | CONSTRUCTION OF AN SSR-BASED LINKAGE MAP FOR CYNARA CARDUNCULUS |
| 19h00 | Tomas Cermak, Roman Hobza, Zdenek Kubat, Boris Vyskot, Eduard Kejnovsky | SEX-DEPENDENT DIFFERENCES IN TRANSCRIPTION OF TRANSPOSABLE ELEMENTS IN A DIOECIOUS PLANT SPECIES |
| 19h15 | Franc-Christophe Baurens | MECHANISMS OF HAPLOTYPE DIVERGENCE AT THE RGA08 NBS-LRR LOCUS IN WILD BANANA (MUSA BALBISIANA) |

Friday 9th October, 2009

Session 6 -		Bioinformatics and systems networks
<i>Chairs:</i>		Heiko Schoof (Max Planck, DE) & José Leal (IGC, PT)
08h30	Michael Bevan (John Innes Center, UK)	<i>"Genome Knowledge for Plant Science: Applications for Gene Discovery and Crop Plant Improvement"</i>
09h00	Wolfram Weckwert (Max Planck, Potsdam, G)	<i>"Systematic metabolomics and proteomics data integration for genome annotation and systems-level understanding."</i>
09h30	D.M. Riaño-Pachón, P. Durek, S. Kleessen, J. Neigenfind, W. Engelsberger, D. Walther, J. Selbig, W. Schulze, B. Kersten	PROTEIN PHOSPHORYLATION PATTERNS AFFECTED BY NUCLEAR DNA POLYMORPHISMS IN A GENOME-WIDE SCALE IN ARABIDOPSIS
09h45	Susanne P. Pfeifer, Petra Bauer, Volkhard Helms	SCAMPI: IDENTIFICATION OF MOLECULAR MARKERS IN THE ARABIDOPSIS GENOME
10h00	Wojciech M. Karlowski, Andrzej Zielezinski	WHOLE GENOME ANNOTATION OF GW REPEAT PROTEINS IN ARABIDOPSIS
10h15	<i>Antonio Tibúrcio</i>	"COST ACTION FA0605 – AN INTERNATIONAL NETWORK IN PLANT ABIOTIC STRESS"
10h30	<i>Coffee-break</i>	
Session 7 -		Nutrigenomics and molecular farming
<i>Chairs:</i>		Dirk Buessis (GABI, DE) & Mariana Sottomayor (Porto Univ., PT)
11h00	Yuri Gleba (IconGenetics, D)	<i>"Plants as manufacturing hosts for pharmaceutical and high-value proteins"</i>
11h30	Paul Christou (Univ. Lleida, SP)	<i>"The development of multivitamin corn in the context of food security"</i>
12h00	Gabriella Sonnante, Rosalinda D'Amore, Emanuela Blanco, Ciro L. Pierri, Jie Luo, Cathie Martin	TWO NOVEL HQT GENES SHOW DIFFERENT SPECIFICITIES IN THE PATHWAY OF CHLOROGENIC ACID SYNTHESIS IN ARTICHOKE
12h15	Marco Maccaferri, Maria Corinna Sanguineti, Karim Ammar, Ivan Ortiz Monasterio, Andrea Demontis, Andrea Massi, Roberto Tuberosa, Ismail Cakmak	ASSOCIATION MAPPING IN DURUM WHEAT REVEALS THE PRESENCE OF LOCI CONTROLLING MICRONUTRIENT CONCENTRATION IN THE GRAIN
12h30	LUNCH	
13h30	POSTERS	ODD NUMBERS
14h30 – - 18h30	BUS pick-up at the Meeting Venue	Cultural afternoon <i>Guided Tour in Lisbon and Boat Trip on the Tagus River</i>
20h00- - 23h00 (-24h00)	GALA DINNER	<i>Bus pick up at Hotels and transport to Gala Dinner at ("Casal de Paulos") (including Fado singing and animation)</i>

Saturday 10th October, 2009

Session 8 -		Agri-food plant genomics
<i>Chairs:</i>		Atanas Atanassov (AgroBioInstitute, BG) & José Leitão (Univ. Algarve, PT)
09h30	Andreas Renz (BASF)	<i>"Plant biotechnology for agri-food applications - challenges, achievements and perspectives"</i>
10h00	Inge Broer (Rostock University, D)	<i>"Biopolymers in transgenic plants: Optimization of Cyanophycin production in different species"</i>
10h30	<i>Coffee-break</i>	
11h00	Jeannette Rode, Jutta Ahlemeyer, Wolfgang Friedt, Frank Ordon	DETECTION OF MARKER TRAIT ASSOCIATIONS IN A SET OF GERMAN WINTER BARLEY CULTIVARS
11h15	Jaakko Tanskanen, Heidrun Gundlach, Klaus Mayer, Alan H. Schulman	THE LTR RETROTRANSPOSONS OF BRACHYPODIUM DISTACHYON
11h30	Sandra Correia, Margarida Oliveira, Célia Miguel, Jorge Canhoto	ASSAYS OF GENE SILENCING IN TAMARILLO (SOLANACEAE) TO UNDERSTAND NEP25 ROLE ON SOMATIC EMBRYOGENESIS INDUCTION
11h45	Claude Urbany, Lysann Schmidt, Thomas Colby, Jürgen Schmidt, Ludwig Simon, Hergen Berding, Josef Berger, Holger Junghans, Karl-Heinz Niehoff, Alexander Braun, Eckart Tacke, Hans-Rheinhardt Hofferbert, Jens Lübeck, Josef Strahwald, Bernd Truberg, Ramona Thieme, Christiane Gebhardt	POTATO TUBER BRUISING DISSECTED BY AN OMICS APPROACH
Sponsor Companies		
12h00	<i>Chair: José António Matos</i>	<i>Roche -</i>
12h20		<i>Applied Biosystems -</i>
12h30		<i>DNAvision -</i>
12h40	Next Meeting	
13h00	LUNCH	
Session 9 -		Genomics for Bioenergy
<i>Chairs:</i>		Pablo Vera (IBMC, SP) & Cristina Marques (RAIZ, PT)
14h00	Wout Boerjan (U-Gent-VIB, Be)	<i>"Systems Biology of lignification, and relevance to biofuels"</i>
14h30	Jacqueline Grima-Pettenati (CNRS, F)	<i>"Seeking for masters genes controlling wood formation"</i>
15h00	Ryan R. McKenzie, Mary De Pauw, Melissa J. Roach, Naomi S. C. Hotte, Neil Hobson, Andrea Bloom, Ben Morris, Jason Gardiner, Corey Davis, Raju Datla, Michael K. Deyholos	GENETIC AND HORMONAL REGULATION OF STEM DEVELOPMENT IN FLAX (LINUM USITATISSIMUM L.)
Closing Session		José Matos (INETI, PT) & José Feijó (IGC, PT)
15h15	Thomas Mitchell-Olds (Duke Univ., USA)	<i>"Evolution and ecology of a cloned QTL in natural plant populations"</i>
16h15 – - 16h30	Closing ceremony -	