

Detailed Program

Sunday, 20th June 2004

2.00 pm–6.00 pm	Workshops – Genetic Resources – organized by Helmut Knupfer	Morava Hall
6.00 pm–7.30 pm	Welcome Mixer	Pavilion A
8.00 pm–10.00 pm	Workshops W1: Germplasm – Collection W2: MAS, QTL Mapping, Phenotyping vs./and Genotyping W3: Technological Quality – Malt, Feed, Food	Morava Hall Rotunda Hall Brno Hall

Monday, 21th June 2004

8.30 am	Welcome Slavoj Palik, Director, Agricultural Research Institute Kromeriz , Ltd. Jaroslav Spunar, Chairman Local Organizing Committee IBGS Bryan Harvey, Chairman IBGS, University of Saskatchewan, Saskatoon, Canada Representative of the Ministry of Agriculture of the Czech Republic Loic Desselas, Director Sladovny Soufflet CR – Platinum Sponsor Jan Vesely, President of EBC, President of Czech Union of Malthouses and Breweries, Czech Republic	Rotunda Hall
9.10 am	INTRODUCTORY SESSION Chair: Jaroslav Spunar	
9.10 am	Brno – City of Gregor Mendel Oldrich Chloupek, Mendel University of Agriculture and Forestry Brno, Czech Republic	
9.20 am	IBGS, Their Mission and Position in Barley Genetics History in the Period 1963–2003 Jaroslav Spunar, Agricultural Research Institute Kromeriz, Ltd. Robert Nilan, Washington State University, Pullman, USA	
9.30 am	From One Gene to Thousands of Genes: Perspectives from Another Man 's Life with Barley Patrick Hayes, Oregon State University, Corvallis, USA	
10.00 am	Coffee break	Gallery of Rotunda
10.30 am	Keys to Success of New Varieties to Satisfy Requirements of All Customers, Farmers, Maltsters and Brewers Giles Fouquin, Malterie Soufflet, Nogent sur Seine, France	Rotunda Hall
11.00 am	SESSION 1 – GERMPLASM AND GENETIC RESOURCES Chair: Roland von Bothmer	
11.00 am	Genetic Resources and Gene Banks for Research and Breeding Helmut Knuepfer, Institute of Plant Genetics & Crop Plant Research, Gatersleben, Germany	
11.30 am	Global Inventory of Barley Genetic Resources Jan Valkoun, ICARDA Aleppo, Syria	
11.45 am	Assessment of Diversity within Czech Spring Barley Germplasm as Revealed by PCR Diagnostic Markers, SSR, AFLP and DNA Assays Jaroslava Ovesna, Research Institute of Crop Production, Prague, Czech Republic	
12.00 am	Lunch	Restaurant of Pavilion A
1.30 pm	SESSION 2 – BREEDING METHODOLOGIES I – MAPPING Chair: Jan Dvorak	Rotunda Hall
1.30 pm	Molecular Mapping: Shifting from the Structural to the Functional Level Andreas Graner, Institute of Plant Genetics & Crop Plant Research, Gatersleben, Germany	
2.00 pm	QTL for Malting Quality – A 25 Piece Puzzle Andrew Barr, Australian Grain Technologies, Glen Osmond, Australia	
2.30 pm	Experiences with Marker Assisted Selection for Quantitative Traits in Barley Steven E. Ullrich, Washington State University, Pullman, USA	
2.45 pm	A Large Scale Mapping of ESTs on Barley Genome Kazuhiro Sato, Okayama University, Kurashiki, Japan	

3.00 pm	Coffee break	Gallery of Rotunda
3.30 pm	SESSION 3 – BREEDING METHODOLOGIES II – GENOMICS Chair: Patric Hayes	Rotunda Hall
3.30 pm	New Insights into the Organization and Evolution of Genomes in the Tribe Triticeae Obtained by Comparative EST Mapping Jan Dvorak, University of California, Davis, USA	
4.00 pm	Current Perspectives in Barley Genomics Robie Waugh, Scottish Crop Research Institute, Dundee, UK	
4.30 pm	Map-Based Cloning in Barley: Coming of Age Anders Kleinhofs, Washington State University, Pullman, USA	
5.00 pm	Happy Hour	Gallery of Rotunda
5.00 pm	Poster Papers – Sessions 1–6	corridor around the Rotunda Hall, Morava Hall
8.00 pm	Workshops W4: Cytogenetics, Genomics, Bio-informatics, Transformation, Transgenic Barley W5: Fusarium Head Blight W6: Drought and Cold Stress	Rotunda Hall Morava Hall Brno Hall

Tuesday, 22nd June 2004

8.30 am	SESSION 4 – BIOCHEMISTRY, CYTOGENETICS, TRANSGENIC BARLEY Chair: Andrew Barr	Rotunda Hall
8.30 am	GM Barley: Improved Technology, Safety Assessment and Future Potential Wendy Harwood, John Innes Centre, Norwich, UK	
9.00 am	Dissecting Large Genomes of Triticeae by Chromosome Sorting Jaroslav Dolezel, Institute of Experimental Botany Olomouc, Czech Republic	
9.30 am	Molecular Analysis and Its Utilization in Barley Breeding Wayne Powell, Scottish Crop Research Institute, Dundee, UK	
10.00 am	Coffee break	Gallery of Rotunda
10.30 am	SSR Markers in Barley Breeding and Genomics Peter Langridge, University of Adelaide, Australia	Rotunda Hall
11.00 am	The Barley Microarray. A Community Vision and Application to Abiotic Stress Timothy Close, University of California, Riverside, USA	
11.30 am	Transgenic Barley Dieter von Wettstein, Washington State University, Pullman, USA	
12.00 am	Lunch	Restaurant of Pavilion A
1.15 pm	SESSION 5 – MALTING AND BREWING – TECHNOLOGICAL PARAMETERS Chair: Bryan Harvey	Rotunda Hall
1.15 pm	French Qualification of Malting Barley Patric Boivin, IFBM, Vandoeuvre, France	
1.45 pm	Environmental Modulation of Barley Malting Quality Jose Luis Molina-Cano, Centre UdL-IRTA, Spain	
2.15 pm	Barley Varieties Appropriate for the Production of Czech Type Beer Karel Kosar, Research Institute of Brewing and Malting Prague, Czech Republic	
2.30 pm	Are We Any Closer to Predicting How Well a Malt Will Behave in the Brewhouse? Denise Baxter, Brewing Research International, Lyntel Hall, Nutfield, Surrey, UK	
2.45 pm	Distilling Barley – Bringing Certainty to the Future James Brosnan, Scotch Whisky Research Institute, Riccarton, Edinburgh, UK	
3.00 pm	Coffee break	Gallery of Rotunda
3.30 pm	SESSION 6 – BARLEY PROTEIN, FEED AND FOOD Chair: Kazuoshi Takeda	Rotunda Hall
3.30 pm	Functional Genomics in the Productivity and End-Use Quality of Barley Geoff Fincher, University of Adelaide, Australia	

4.00 pm	Barley Foods for Good Nutrition and Health C.Walter Newman, Newman Associates, Inc., Bozeman, USA	
4.30 pm	Genetic Studies of Barley Seed Phosphate and Phytic Acid Victor Raboy, USDA-ARS, Aberdeen, USA	
5.00 pm	Investigation of Barley Proteome Josef Chmelik, Institute of Analytical Chemistry Brno, Czech Republic	
7.00 pm	Mendel Museum of Genetics, The Old Brno's History Evening Dinner in Mendel Museum	Mendel Museum

Wednesday, 23rd June 2004

	TECHNICAL TOURS – KROMERIZ All tours will depart from outside the Voronez Hotel. Please make sure that you are on time as departure times will be exact.	
8.00 am	tour 1. Barley Growing, Breeding and Genetics	
8.30 am	tour 2. Sladovny (malthouse) Soufflet	
6.30–7.00 pm	tour 3. Sightseeing tour to UNESCO City Kromeriz expected return to the city	

Thursday, 24th June 2004

8.30 am	SESSION 7 – DISEASE AND PEST RESISTANCE I – GENERALLY, LEAF DISEASES Chair: Jerry Franckowiak	Rotunda Hall
8.30 am	Optimizing Breeding Strategies Based on the Evolutionary Potential of Barley Pathogens Bruce A. McDonald, Institute of Plant Science, Zurich, Switzerland	
9.00 am	The Importance of the Secondary Genepool in Barley Genetics and Breeding Richard Pickering, Crop and Food Research, Christchurch, New Zealand	
9.30 am	Adaptation of Biotrophic Barley Pathogens to Genetic Resistance in Central Europe Antonin Dreiseitl, Agricultural Research Institute Kromeriz Ltd., Czech Republic	
9.45 am	Association Mapping for Yield and Leaf Rust Resistance in Barley Rients Niks, Wageningen University, Laboratory of Plant Breeding, Wageningen, The Netherlands	
10.00 am	Coffee break	Gallery of Rotunda
10.30 am	Genetic Mapping of a Novel Scald Resistance Gene in Barley Guenther Schweizer, Bavarian State Research Centre for Agriculture, Freising-Weihenstephan, Germany	Rotunda Hall
10.45 am	Suitability of a Selected Barley Differential Set for Pyrenophora teres Virulence Screening Marja Jalli, Boreal Plant Breeding Ltd., Jokioinen, Finland	
11.00 am	Ramularia collo-cygni, World-Wide Evaluation Edelgard Sachs, Federal Biological Research Centre for Agriculture, Bergholz-Rehbrücke, Germany	
11.15 am	Winter Barley Cultivar Mixtures: Why Isn't Everybody Growing Them? Adrian Newton, Scottish Crop Research Institute, Dundee, UK	
11.30 am	Detection of Independent Gene Pools of Barley with the Application of DNA Markers Ahmed Jahoor, Riso National Laboratory, Roskilde, Denmark	
11.45 am	Trends in Biological and Molecular Variation of Barley Derived by Long-Term Breeding Jan Kraic, Research Institute of Plant Production, Piestany, Slovakia	
12.00 am	Lunch	Restaurant of Pavilion A
1.30 pm	SESSION 8 – DISEASE AND PEST RESISTANCE II – EAR DISEASES, FUSARIUM HEAD BLIGHT, VIROSES Chair: Silvia German	Rotunda Hall
1.30 pm	Breeding Barley for Multiple Disease Resistance in the Upper Midwest Region of the USA Brian Steffenson, University of Minnesota, St. Paul, USA	
2.00 pm	Inheritance of the Scab Disease Resistance in Barley Kazuyoshi Takeda, Okayama University, Kurashiki, Japan	
2.15 pm	Off-Season Testing of Barley in China for Fusarium Head Blight Jerry Franckowiak, North Dakota University, Fargo, USA	

2.30 pm	Variation for Resistance to Fusarium Head Blight in Spring Barley Herrmann Buerstmayr, Institute for Agrobiotechnology, Tulln, Austria	
2.45 pm	Evaluation of Barley Resistance to Fusarium Head Blight Infection and Mycotoxin Contamination of Grain Vaclav Sip, Research Institute of Crop Production, Prague, Czech Republic	
3.00 pm	Coffee break	Gallery of Rotunda
3.30 pm	Breeding for Virus Resistance of Barley: Amalgamation of Classical and Biotechnical Approaches Wolfgang Friedt, Justus Liebig University Giessen, Germany	Rotunda Hall
4.00 pm	Status of Russian Wheat Aphid Resistance in U.S. Barley Do W. Mornhinweg, USDA-ARS, Stillwater, USA	
4.15 pm	IBGS Business Meeting	
5.00 pm	Poster Papers – Sessions 7–10	corridor around the Rotunda Hall, Morava Hall
7.30 pm	Symposium Dinner	

Friday, 25th June 2004

8.30 am	SESSION 9 – ABIOTIC STRESS Chair: Wolfgang Friedt	Rotunda Hall
8.30 am	Genetic Bases of Barley Responses to Abiotic Stresses Michele Stanca, Istituto Sperimentale per la Cerealicoltura, Fiorenzuola d'Arda, Italy	
8.50 am	Drought Tolerance in Barley Stefania Grando, ICARDA Aleppo, Syria	
9.10 am	Freezing Injury and Breeding on the Frost Resistance in Continental Russia Victor Shevtsov, Research Institute of Agriculture, Krasnodar, Russia	
9.30 am	Versatile Barley Varieties for the Mexican Highlands Flavio Capettini, ICARDA/CIMMYT Latin American Regional Program, Mexico	
9.45 am	Screening Barley Germplasm for Waterlogging Tolerance Meixue Zhou, Tasmanian Institute of Agricultural Research, Tasmania, Australia	
10.00 am	Coffee break	Gallery of Rotunda
10.30 am	SESSION 10 – BREEDING SUCCESS STORIES Chair: Victor Shevtsov	Rotunda Hall
10.30 am	Progress in Malting Barley Breeding in a Family Owned Company Martin Breun, Saatucht Josef Breun Herzogenaurach, Germany	
11.00 am	Progress in Malting Barley Breeding in SECOBRA Company Michel Madre, SECOBRA Maule, France	
11.30 am	Breeding Malting Barley for the Canadian Prairies. A Greybeard's Retrospective Bryan Harvey, University of Saskatchewan, Saskatoon, Canada	
12.00 am	Lunch	Restaurant of Pavilion A
1.30 pm	Breeding of Malting Barley under the Stress Conditions in South America Silvia German, INIA Research Institute, Colonia, Uruguay	Rotunda Hall
2.00 pm	Barley Breeding Progress in the Czech Republic Ivan Langer, Selgen Co., Plant Breeding Station Stupice, Czech Republic	
2.15 pm	CLOSING SESSION	
2.30 pm	MEMORANDUM OF 9 th IBGS, Conclusion – President of International Organizing Committee IBGS Prof. Bryan Harvey	Arboretum
3.00–6.00 pm	Arboretum, Mendel University Farewell Party, Mendel University	Arboretum