Program

5th International Workshop on Anthocyanins, 2009 September 15-18, 2009 Noyori Conference Hall, Nagoya University, Nagoya, Japan

September, 15 (Tue)			
15:00	Registration		
17:00	Welcome Party		
September, 16 (Wed)			
8:50	Opening Remarks	Kumi Yoshida	
Session 1 9:00-10:25	Structure and Chemical Function of Anthocyanins 1 Chair: Fernando Pina (New University of Lisbon, Portugal)		
9:00	Chemistry of Anthocyanin-based Colours in Plants Øyvind M. Andersen (University of Bergen, Norway)		
9:35	Polyacylanthocyanins - History and Perspective of Their Study Kunijiro Yoshitama (Kumamoto University, Japan)		
10:00	Role of Phenolic Acids in Acylated Anthocyanins on the Stability and Functionality Norihiko Terahara (Minami-Kyushu University, Japan)		
10:25-10:55 Coffee Break			
Session 2 Structure and Chemical Function of Anthocyanins 2 10:55-12:00 Chair: Øyvind M. Andersen (University of Bergen, Norway)		-	
10:55	Shooting for Red; Evidence for Anthocyc Kevin Gould (Victoria University of W		
11:25	Chromogenic Materials Based on 2-phenyl-1-benzopyrilium: From Anthocyanins to Synthetic Flavylium Compounds Fernando Pina (New University of Lisbon, Portugal)		
12:00-13:20) Lunch		

13:20-14:50 **Poster Presentation 1 (Odd Number Posters)**

14:50-15:50 Selected Oral Presentations from Posters (1)

Chair: Takanori Tsuda (Chubu University, Japan)

P09 Petr Marhol (Academy of Sciences of the Czech Republic, Czech Republic)

P14 Maria J. Melo (New University of Lisbon, Portugal)

P25 De-Xing Hou (Kagoshima University, Japan)

P26 Hiroyuki Iida (Meiji Seika Kaisha, Ltd., Japan)

P42 Chetan A. Nayak (Central Food Technological Research Institute, India)

P43 Richard V. Espley (Plant & Food Research, New Zealand)

15:50-16:05 Coffee Break

Session 3 Anthocyanins and Human Health 1

16:05-17:15 Chair: Tony McGhie (Plant & Food Research, New Zealand)

16:05 Protection against Neurodegeneration and Type II Diabetes by Anthocyanin Mixtures

Mary Ann Lila (North Carolina State University, U.S.A.)

16:30 Anthocyanin as a Functional Food Factor - Prevention of Type2 Diabetes and Its Mechanism -

Takanori Tsuda (Chubu University, Japan)

16:50 Therapeutically Active Phenolic Berry Compounds
Riitta Puupponen-Pimiä (VTT Technical Research Centre of Finland,
Finland)

17:15-17:30 Coffee Break

Session 4 Anthocyanins and Human Health 2

17:30-18:50 Chair: Mary Ann Lila (North Carolina State University, U.S.A.)

- 17:30 Davidson's Plum: a Novel Food Colorant with Health-enhancing Properties Izabela Konczak (Food Science Australia, Australia)
- 17:55 Anti-hyperglycemic Effect of Acylated Anthocyanins and Their Related Compounds

Toshiro Matsui (Kyushu University, Japan)

18:20 What Happens to Anthocyanins in the Human Body?

Tony McGhie (Plant & Food Research, New Zealand)

September, 17 (Thr)

14:50

Session 5 9:00-10:25	Control of Biosynthesis of Anthocyanins 1 Chair: Ronald Koes (Free University, The Netherlands)
9:00	MYB Transcription Factors as Tools to Generate High Anthocyanin Fruit Andrew C. Allan (Plant & Food Research, New Zealand)
9:25	Regulation of Anthocyanin Production in <i>Perilla frutescens</i> Mami Yamazaki (Chiba University, Japan)
9:40	Anthocyanidin Synthase, a Multifunctional Enzyme Involved in Various Branches of Flavonoid Biosynthesis? Stefan Martens (University of Marburg, Germany)
10:00	Genetics and Epigenetics in Flower Pigmentation of Morning Glories Shigeru Iida (Tokyo University of Agriculture and Technology, Japan)
10:25-10:50	Coffee Break
Session 6 10:50-12:00	Control of Biosynthesis of Anthocyanins 2 Chair: Mami Yamazaki (Chiba University, Japan)
10:50	Transcription Regulators Controlling Anthocyanin Synthesis in Petunia Flowers Ronald Koes (Free University, The Netherlands)
11:10	Post-transcriptional Gene Silencing of <i>CHSA</i> and Its Chemical Control in Marginal Picotee Pattern Formation of <i>Petunia</i> petals Masayoshi Nakayama (Nat. Agric. Food Res. Org., Japan)
11:30	Selected Oral Presentations from Posters (2) P55 Toru Nakayama (Tohoku University, Japan) P56 Nick W. Albert (Massey University, New Zealand) P60 Kerry Hancock (AgResearch, Grasslands Research Centre, New Zealand)
12:00-13:20	Lunch
13:20-14:50	Poster Presentation 2 (Even Number Posters)
Session 7 14:50-15:45	Berry Pigments and Wine Color 1 Chair: Nami Goto-Yamamoto (Nat. Res. Inst. of Brewing, Japan)

Anthocyanin-derivatives and the Colour of Red Wines

Victor de Freitas (University of Porto, Portugal)

15:20 Biochemical Genomics of Anthocyanin Composition in Raspberry (*Rubus ideaus* L.) and Grapevine (*Vitis vinifera* L.) Berries

Steven T. Lund (University of British Columbia, Canada)

15:45-16:00 Coffee Break

Session 8 Berry Pigments and Wine Color 2

16:00-17:00 Chair: Tadao Kondo (Nagoya University)

- 16:00 Effect of Viticultural Conditions on Anthocyanins and Proanthocyanidins of Red-wine Grapes
 - Nami Goto-Yamamoto (National Research Institute of Brewing, Japan)
- 16:20 Anthocyano-ellagitannin Hybrids: New Pigments Modulating the Color of Aged-in-oak Wines?

 Stéphane Quideau (Bordeaux University, France)

19:00 Banquet (Nagoya Tokyu Hotel)

September, 18 (Fri)

Session 9 Ornamental Flowers and Anthocyanins

- 9:00-10:40 Chair: Atsushi Hoshino (National Institute for Basic Biology, Japan)
 - 9:00 Development and Commercialization of a Transgenic Rose Producing Delphinidin

Yoshikazu Tanaka (Suntory Holdings Ltd., Japan)

- 9:20 Control of Anthocyanin Accumulation and Colour Patterning in Flowers Kevin Davies (Plant & Food Research, New Zealand)
- 9:45 Regulation of Flower Pigmentation in Japanese Ornamental Gentian Masahiro Nishihara (Iwate Biotechnology Research Center, Japan)
- 10:10 Mechanism of pH Regulation in Epidermal Petal Cells Accumulating Anthocyanins

Francesca Quattrocchio (Free University, The Netherlands)

10:40-11:00 Coffee Break

Session 10 Production and Usage of Anthocyanins

- 11:00-12:20 Chair: Kevin Davies (Plant & Food Research, New Zealand)
 - 11:00 Use of Anthocyanins for Food Products in Japan Yutaka Higashimura (San-Ei Gen F. F. I., Inc., Japan)

- 11:20 Color Mutation Caused by a Transposable Element in Potato Masaki Momose (Kirin Holdings Co., Ltd, Japan)
- 11:45 Colouring up Plant Biotechnology
 Cathie Martin (John Innes Centre, U.K.)
- 12:20-13:30 Lunch
- 13:30-14:00 Selected Oral Presentations from Posters (3)

Chair: Yoshihiro Ozeki (Tokyo Univ. Agric. Tech., Japan)

P71 Naonobu Noda (Nat. Agric. Food Res. Org., Japan)

P72 Filippa Brugliera (Florigene Pty Ltd., Australia)

P82 Huaibi Zhang (Plant & Food Research, New Zealand)

Session 11 Vacuolar Function and Anthocyanins 1

14:00-14:45 Chair: Wei Zhang (Flinders University, Australia)

- 14:00 The Anthocyanin Modification Catalyzed the Enzymes in Vacuole Yoshihiro Ozeki (Tokyo University of Agriculture and Technology, Japan)
- 14:15 Trafficking and Sequestration of Anthocyanins
 Erich Grotewold (The Ohio State University, U.S.A.)
- 14:45-15:00 Coffee Break

Session 12 Vacuolar Function and Anthocyanins 2

15:00-15:45 Chair: Kazuki Saito (Chiba University, Japan)

- 15:00 *in vivo* Mechanisms of Blue Flower Color Development Kumi Yoshida (Nagoya University, Japan)
- 15:20 Regulation of the Anthocyanin Biosynthetic Pathway in Vitis Vinifera Cell Culturein Response to Multiple Induction Strategies
 Wei Zhang (Flinders University, Australia)

15:45 Closing Ceremony

Yoshihiro Ozeki

Announcement on Next IWA