The Second International Legume Society Conference

“2016: Legumes for a sustainable World”

The International Legume Society and the Instituto de Tecnologia Química e Biológica of the Universidade Nova de Lisboa cordially invite you to join us at the Second International Legume Society Conference, scheduled from 12-14 October, 2016 at Tróia resort, in the vicinity of Lisbon, Portugal.

In a world urgently requiring more sustainable agriculture, food security and healthier diets the demand for legume crops is on the rise. This growth is fostered by the increasing need for plant protein and for sound agricultural practices that are more adaptable and environmentally sensitive. Food, feed, fiber and even fuel are all products that come from legumes – plants that grow with low nitrogen inputs and in harsh environmental conditions. The Second Legume Society Conference will be held during 2016 - the United Nations’ International Year of Pulses. The goals of this UN International Year include: the encouragement of connections throughout the food chain that would better utilize pulse based proteins; increase global production of pulses; better utilization of crop rotations; and to address challenges in the trade of pulses.

The conference will address the following themes: Legume Quality and Nutrition; Farming Systems/Agronomy; Abiotic and Biotic Stress Responses and Breeding; Legume Genetic Resources; and New “Omics” Resources for Legumes. The health and environment benefits, as well as, the marketing of legumes will be transversal topics throughout the conference. Special attention will be given to foster the interaction of researchers and research programs with different stakeholders including farmers and farmer associations, seed/feed and food industries, and consumers. For this, the conference will also be the site of the Final Meeting of the EU-FP7 ABSTRESS project, the Annual Meeting of EU-FP7 LEGATO and EUROLEGUME projects; and final dissemination events of EU-FP7-ERANets MEDILEG and REFORMA. The results and conclusions from these four important research programs will be shared with conference attendees.

Please join us in beautiful Tróia, Portugal from 12-14 October, 2016! Plan now to include the Second ILS Conference in your busy agenda. Kindly share this information with any colleagues dealing with legumes.

Diego Rubiales, on behalf of the Scientific Committee
Pedro Fevereiro, Carlota Vaz Patto and Susana Araújo, on behalf of the Organizing Committee
**Local Organizers**
The Instituto de Tecnologia Química e Biológica / Universidade Nova de Lisboa (ITQB/UNL) will be responsible for the organization of the Conference, in cooperation with the International Legume Society. The official language of the Conference will be the English.

**Conveners**
Pedro Fevereiro – Universidade Nova de Lisboa (ITQB/UNL)
Carlota Vaz Patto – Universidade Nova de Lisboa (ITQB/UNL)
Susana Araújo – Universidade Nova de Lisboa (ITQB/UNL)

**Scientific Coordinator**
Diego Rubiales, CSIC, Córdoba, Spain

**Local Organizer Committee** (in alphabetic order)
Nuno Almeida - ITQB/UNL
Susana Araújo - ITQB/UNL
Ana Barradas – Fertiprado
Manuela Costa – Universidade do Minho
Isabel Duarte – Instituto Nacional de Investigação Agrária e Veterinaria (INIAV)
Sofia Duque – ITQB/UNL
Pedro Fevereiro – ITQB/UNL
Susana Leitão - ITQB/UNL
Eduardo Rosa – Universidade de Trás-os-Montes e Alto Douro
Marta Vasconcellos – Escola Superior de Biotecnologia, Universidade Católica
Carlota Vaz Patto - ITQB/UNL
Manuela Veloso – INIAV

**Scientific Committee** (in alphabetic order)
Michael Abberton - IITA, Nigeria
Shiv Kumar Agrawal - ICARDA, Syria
Paolo Annicchiari - CREA-FLC, Italy
Stephen E. Beebe - CIAT, Colombia
Charles Brummer - University of California, USA
Adrian Charlton - FERA, UK
Gerard Duc - INRA, France
Noel Ellis - UK
Pedro Fevereiro - ITQB/UNL, Portugal
Judith Lichtenzveig - Curtin University, Australia
Kevin McPhee - North Dakota State University, USA
Aleksandar Mikić - Institute of Field and Vegetable Crops, Serbia
Eduardo Rosa - UTAD, Portugal
Diego Rubiales - Institute for Sustainable Agriculture, CSIC, Spain
Fred Stoddard - University of Helsinki, Finland
Richard Thompson - INRA, France
Tom Warkentin - University of Saskatchewan, Canada
Venue

The conference will be held at Tróia in the vicinity of Lisbon, Portugal. Tróia is a beautiful sand peninsula dividing the Sado River from the Atlantic Ocean. The nearest airport is the Lisbon International Airport, about 50 Km away. Shuttles will be made available from and to Lisbon International Airport.

During the period of Roman occupation, date from the 1st century to the 6th century AD, Tróia was an island of Sado delta, called Ácala Island. Sado Estuary Nature Reserve, where dolphins swim, and the Serra da Arrábida Natural Park, where a full developed Mediterranean forest can be seen, are two of the main natural attractions nearby Tróia peninsula. The Tróia Golf Championship Course is considered the best course in Portugal in the categories of difficulty and variety. It also stands in 20th place in the list of the best golf courses in Europe drawn up by the Golf World magazine.
First tentative Program

**October 10th-11th 2016**: Satellite events

10th-11th *Ascochyta 2016 Workshop* (see program in http://www.ascochyta2016.aweb.net.au/)

11th October 09:00-18:00h LEGATO project meeting (partners only)
11th October 09:00-18:00h EUROLEGUMES project meeting (partners only)
11th October 09:00-18:00h ABSTRESS project meeting (partners only)

11th Evening: ILS2 Conference Registration

**October 12th 2016**
08:00 Registration;
09:00-09:30 Welcome addresses

**09:30-10:30 Session 1, plenary: Legumes vale chain: market requirements and economic impact** Chaired by Eduardo Rosa (UTAD, Portugal) and Adrian Charlton (FERA, UK)
09:30-10:00 Key lecture 1: Hakan Bahceci (Int. Pulse Trade and Industries Confederation)
10:00-10:30 Highlighted presentation

10:30-11:00 Coffee break

**11:00-12:00 Session 2, plenary: Legumes and environment**
Chaired by Richard Thompson (INRA, France) and Diego Rubiales (CSIC, Spain)
11:00-11:30 Key lecture 1: Marie-Hélène Jeuffroy (INRA, France)
11:30-12:00 Highlighted presentation

**12:00-13:00 Poster viewing**

**13:00-14:30 Lunch**

**14:30 – 16:00 Parallel sessions**

**Session 3, parallel: Session 3, parallel: Mechanisms of beneficial legume-microbe interactions** Chaired by Douglas Cook (UCDavis, USA) and Florian Frugier (CNRS, France)
14:30-15:00 Key lecture: Jens Stougaard (Aarhus University, DK)
15:00-15:15 Oral presentation 1
15:15-15:30 Oral presentation 2
15:30-15:45 Oral presentation 3
15:45-16:00 Oral presentation 4

**Session 4, parallel: Genetic resources**
Chaired by Hari Upadhyaya (ICRISAT) and Margarita Vishnyakova (VIR, Russia)
14:30-15:00 Key lecture: Jeff Doyle (Cornell Univ., USA)
15:00-15:15 Oral presentation 1
15:15-15:30 Oral presentation 2
15:30-15:45 Oral presentation 3
15:45-16:00 Oral presentation 4

**16:00-16:30 Coffee break**
16:30-17:30 Parallel sessions
Session 5, parallel: Legumes value chain: market requirements and economic impact (cont.)
Chaired by Fred Muel (Terres Inovia, France) and Aden Aw Hasan (ICARDA)
16:30-16:40 Oral presentation 1
16:40-16:50 Oral presentation 2
16:50-17:00 Oral presentation 3
17:00-17:10 Oral presentation 4
17:10-17:30 General discussion on Legumes value chain

Session 6, parallel: Legumes and environment (cont.)
Chaired by Christine Watson (SRUC, UK) and M. de Moura Rocha (EMBRAPA, Brazil)
16:30-16:40 Oral presentation 1
16:40-16:50 Oral presentation 2
16:50-17:00 Oral presentation 3
17:00-17:10 Oral presentation 4
17:10-17:30 General discussion on Legumes and environment

Session 7, parallel: Root diseases
Chaired by C. Coyne (USDA-ARS) and M. L. Pilet-Nayel (INRA, France)
16:30-16:40 Oral presentation 1
16:40-16:50 Oral presentation 2
16:50-17:00 Oral presentation 3
17:00-17:10 Oral presentation 4
17:10-17:30 General discussion on root diseases

17:30-18:30 Poster session 1
Slots of 3 min flash presentations (+ 2 min questions) from 12 selected posters on the sessions of the day

20:45 Third International Legume Football Cup

October 13th 2016

8:30-10:00 Session 8, plenary: Legumes in food and feed and other alternative uses
Chaired by M.C. Vaz Patto (ITQB, Portugal)
08:30-09:00 Key lecture 1: Frédéric Marsolais (Agr & Agri Food Canada)
09:00-09:30 Highlighted oral presentation
09:30-10:00 Highlighted oral presentation

10:00-10:30 Coffee break;

10:30-12:00 Session 9, plenary: Frontiers in legume genetics and genomics
Chaired by Charles Brummer (Univ California, USA) and Marta Santalla (CSIC, Spain)
10:30-11:00 Key lecture: Judith Burstin (INRA, France)
11:00-11:30 Highlighted oral presentation
11:30-12:00 Highlighted oral presentation

12:00-13:00 Poster session 2
Slots of 3 min flash presentations (+ 2 min questions) from 12 selected posters from the sessions of the day

13:00-14:30 Lunch
14:30 – 16:00 Parallel sessions
Session 10 parallel: Legumes in food and feed and other alternative uses (cont.)
Chaired by Ruta Galoburda (Latvia) and Tom Warkentin (Univ. Saskatchewan, Canada)
14:30-14:45 Oral presentation 1
14:45-15:00 Oral presentation 2
15:00-15:15 Oral presentation 3
15:15-15:30 Oral presentation 4
15:30-15:45 Oral presentation 5
15:45-16:00 General discussion on Legumes in food and feed and other uses

Session 11 parallel: Frontiers in legume genetics and genomics (cont.)
Chaired by Bernadette Julier (INRA, France) and Kevin McPhee (North Dakota State Univ. USA)
14:30-14:45 Oral presentation 3
14:45-15:00 Oral presentation 4
15:00-15:15 Oral presentation 6
15:15-15:30 Oral presentation 7
15:30-15:45 Oral presentation 8
15:45-16:00 General discussion of genetics and genomics

16:00-16:30 Coffee break;

16:30-18:00 Parallel sessions
Session 12, parallel: Frontiers in plant and crop physiology
Chaired by Christophe Salon (INRA, France) and Luis Aguirrezábal (INTA, Argentina)
16:30-17:00 Key lecture: Phil Mullineaux (Univ. Essex, UK)
17:00-17:10 Oral presentation 1
17:10-17:20 Oral presentation 2
17:20-17:30 Oral presentation 3
17:30-17:45 General discussion

Session 13 parallel: Integrated pest and disease management
Chaired by J. Davidson (Australia) and Weidong Chen (USDA-ARS, USA)
16:30-17:00 Key lecture: Seid Kemal (ICARDA)
17:00-17:10 Oral presentation 1
17:10-17:20 Oral presentation 2
17:20-17:30 Oral presentation 3
17:30-17:45 General discussion

17:45-19:00 ILS General Assembly

20:45 Third International Legume Football Cup

October 14th 2016
8:30-10:00 Session 14 plenary: Frontiers in legume breeding
Chaired by Wolfgang Link (Georg-August-University, Germany) and Gérard Duc (INRA, France)
08:30-09:00 Key lecture: Scott Jackson (Center for Applied Genetic Technologies, USA)
09:00-09:30 Highlighted oral presentation
09:30-10:00 Highlighted oral presentation

10:00-10:30 Coffee break;
10:30-12:00 Session 15, plenary: Frontiers in legume agronomy
Chaired by Eric Jensen (SLU, Sweden) and Susana Araújo (ITQB, Portugal)
10:30-11:00 Key lecture: Kadambot Siddique (University of Western Australia)
11:00-11:30 Highlighted oral presentation
11:30-12:00 Highlighted oral presentation

12:00-13:00 Poster session 3
Slots of 3 min flash presentations (+ 2 min questions) from 12 selected posters from the sessions of the day

13:00-14:30 Lunch

14:30 – 16:00 Parallel sessions
Session 16, parallel: Frontiers in legume breeding (cont.)
Chaired by Pooran Gaur (ICRISAT) and Paolo Annicchiarico (CREA, Italy)
14:30-14:45 Oral presentation 1
14:45-15:00 Oral presentation 2
15:00-15:15 Oral presentation 3
15:15-15:30 Oral presentation 4
15:30-15:45 Oral presentation 5
15:45-16:00 General discussion on advances in legume breeding

Session 17 parallel: Advances in legume agronomy (cont.)
Chaired by Fred Stoddard (Univ. Helsinki, Finland) and Claudio Porqueddu (CNR, Italy)
14:30-14:45 Oral presentation 1
14:45-15:00 Oral presentation 2
15:00-15:15 Oral presentation 3
15:15-15:30 Oral presentation 4
15:30-15:45 Oral presentation 5
15:45-16:00 General discussion on advances in legume agronomy

16:00-16:30 Coffee break;

16:30-18:00 Parallel sessions
Session 18, parallel: Seed technology, marketing and knowledge-transfer
Chaired by Lee Moats (Pulse Canada) and Zewdie Bishaw (ICARDA)
16:30-16:45 Oral presentation 1
16:45-17:00 Oral presentation 2
17:00-17:15 Oral presentation 3
17:15-17:30 Oral presentation 4
17:30-17:45 Oral presentation 5
17:45-18:00 General discussion

Session 19 parallel: Resistance to biotic and abiotic stresses
Chaired by Sabine Banniza (Univ. Saskatchewan, Canada) and Laurnet Gentzbittel (CNRS, France)
16:30-16:45 Oral presentation 1
16:45-17:00 Oral presentation 2
17:00-17:15 Oral presentation 3
17:15-17:30 Oral presentation 4
17:30-17:45 Oral presentation 5
17:45-18:00 General discussion
18:00-19:00 Concluding session
Posters and oral presentations awards
ILS Honorary member’s awards

20:00 Farewell Dinner
October 15th 2016 (private sessions)
08:00-13:00 REFORMA project meeting (partners only)