



SECOND ANNOUNCEMENT and CALL FOR ABSTRACTS

7th IUFRO International Workshop on the Genetics of Tree-Parasite Interactions in Forestry:

Understanding the genetics of forest tree-antagonist
interactions in a changing world

September 12th-16th, 2022, Pontevedra, Galicia, SPAIN



SUBMIT YOUR ABSTRACT NOW, until May 15th at:

<https://forms.gle/TA1gtU4dAhEo8QvQ7>

Please let us know if you are willing to attend the meeting at lsampedro@mbg.csic.es

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IMPORTANT DATES:

- **March 30th, 2022.** Second announcement, kind request for willingness to assist, essential hotel information and preliminary program.
- **April 1st – May 15th 2022.** Abstract submission period.
- **May 15th, 2022.** Deadline for abstracts submission. Early bird registration opens
- **June 15th, 2022.** Decision on abstracts and definitive scientific programme.
- **June 30th, 2022.** Deadline for hotel booking with special fare. Deadline for early bird registration

INTRO Following the tradition of highly successful Tree Resistance Workshops in Mount Sterling 2018 (Ohio, US), Orleans 2015 (France) and Eugene 2011 (Oregon, US), we are pleased to announce that the 7th International Workshop on the Genetics of Tree-Parasite Interactions will take place in Pontevedra, Galicia, Spain in September, 12th - 16th, 2022.

The 7th GTPI-2022 will be hosted by the research group "[Genetics and Ecology of Resistance in Conifers](#)" within the [Misión Biológica de Galicia](#) (MBG), an agricultural research station in Pontevedra, Spain belonging to the [Spanish National Research Council](#) (CSIC).



MISSION AND OBJECTIVES - Managed and natural forests provide essential ecosystem services worldwide, but sustainability of forests is currently at unprecedented risk. We can see large range expansions of pests and diseases, as well as sudden shifts to naïve host species. Due to the free of movement of people and goods across biogeographical zones, tree species are increasingly challenged by emergent invasive biotic threats. Moreover, climate change is also increasing abiotic tree stresses, which synergistically interact with tree resistance leading to negative effects on tree survival and forest resilience.

Although forest tree species are known to harbour high levels of genetic variation, most remain fairly unstudied, particularly in traits related to host tolerance and resistance to biotic and abiotic stressors. To understand such variations, within the framework of the genetics of tree-antagonist interactions, is necessary to forecast the survival and prevalence of forest populations in a changing environment. This knowledge can also be exploited in breeding programs aiming to improve forest health.

The scientific community is pushing for an urgent multidisciplinary and coordinated effort to solve these challenges, making use of current and new knowledge, strategies and technologies. Geneticists, evolutionary biologists, ecologists, phytopathologists, entomologists, plant physiologists, breeders and managers are all involved in this challenge.

This workshop will provide the ideal forum for updating knowledge, evidences, solutions and failures between scientific, academic and practical approaches. It is also an opportunity to enhance the dialogue of long experienced expertise with the new generations of scientists, which will provide creative and new solutions in the near future.

Submissions are welcome in all areas of tree defence and resistance, including, but not limited to, the following **topics/sessions**:

- Conventional and innovative tree breeding initiatives for resistance.
- Innovative tools and methodologies for screening for resistance or improving resistance
- Ecology and genetics of tree-antagonistic resistance in natural and managed populations.
- Evidence -or not- of durable resistance or multiple resistance to diverse challenges.
- Mechanisms of perception, identification, signalling and priming of biotic damage and plant defensive strategies (induced resistance), their genetic variation and how they could be useful to programs for improving resistance.
- Comparative genomics, GWAS, genomic selection and other genomic initiatives looking for resistance and tolerance.
- Mechanisms and ecological consequences of mutualistic tree biotic interactions putatively providing resistance and tolerance
- Evolutionary biology of resistance traits and trade-offs with tree physiological traits.
- Interactive effects of abiotic stressors with biotic resistance – genetic variation in phenotypic plasticity in resistance/tolerance traits.
- Genetics of multitrophic interactions on tree resistance
- Priming, maternal effects and epigenetic control of tree defences

If you are interested in organizing or leading a specific session on a particular topic of your interest, please contact us.



LOCATION The city of [Pontevedra](#) is an old city in South Galicia. It is a small and pedestrian friendly town (80.000 people), surrounded by a river that forms an estuary and the well-known “Ria de Pontevedra”. It is located in the ‘Rias Baixas’ area, made famous for its high-quality seafood, excellent wines, superb sandy beaches and sea landscapes. Pontevedra is one of the biggest cities in the Province of Galicia, a green and forested region with a mild [climate](#) of northwest Spain. Pontevedra intersects with the famous “Camino de Santiago” (Saint James Way), a network of traditional medieval pilgrimage routes leading to Santiago de

Compostela, declared as UNESCO World Heritage Site.

CONFERENCE VENUE The Liceo Casino, is the oldest civic society in the city of Pontevedra (1855). The society occupied different buildings in the city until 1864, year of the construction of the current building, which was destroyed by a fire in 1980. The collective effort of the partners allowed its reconstruction and was inaugurated on 1983 causing a resurgence of this society, fully adapted to our days and that constitutes a reference in the city, a high school faithful to the artistic activities represented in the bas-reliefs of its facade.



TRAVEL AND ACCOMMODATION Pontevedra is well connected by road and train. It is 20 minutes driving distance from the Vigo Airport, with direct airplane connections to Madrid (50 min) and Barcelona (90 min). Pontevedra also has fast train connections to the international airports of Santiago de Compostela (30 min), A Coruña (70 min) and Porto (Portugal, 4 h).

For your comfort and convenience, we have selected hotels with special fares for the conference and that are within walking distance of the conference center (Galicia Palace and Hotel Rías Bajas), with rooms rating from about 75 € and 110 € (for single and double room per night respectively, including breakfast and taxes). Cheaper lodging solutions will be available for students. We will provide updates soon. In order to facilitate your travel and accommodation and the stay in the country, we teamed up with [ABRAMAR](#), a local travel agency. You can contact them by mail: mice@abramar.com indicating in the subject: CSIC GTPI 2022.

REGISTRATION FEES AND CONFERENCE SERVICES - Registration includes conference fees, cocktail at the evening reception, lunch and coffee breaks of Mon-Fri, joint dinner on Mon, field trip (including lunch and visits) and social dinner on Thu. Participants will have few additional expenses other than registration, travelling and lodging. Discounted rates are available to students and researchers from underrepresented backgrounds and countries with limited funds, please ask us about. Depending on the funding obtained by external sponsors, a program of prizes and travel grants for students will be established based on the quality of the papers upon acceptance and that of the posters and presentations during the conference. Registration fees are tentative and could be reviewed depending on the number of attendees.

Registration fees:	580€ for early birds (Until June 30 th , 2022)
	680€ late regular (After June 30 th , 2022)
	380€ for students

SPONSORSHIP AND DONATIONS - Support from other institutions and organizations is welcome. This support would help to offset the costs and let people know that they are contributing to the battle of protecting our forest resources. Funds will be also used to offset keynote speakers travel costs, student travel grants, the field trip and other conference expenses. If you are interested in becoming and sponsor or donate funds, please contact us at lsampedro@mbg.csic.es



PROGRAM OF ACTIVITIES - The program includes an intensive scientific program every day since 8:45 to 18:00 pm and several social activities. You can find a preliminary schedule below.

One main objectives of this meeting is to encourage the leadership of scientists at their early career stages. A complete program with social activities and mini-sessions within the workshop with topics of interest for them will be established. Besides, a brand new “Young Scientist Advisory Committee” will help in making decisions, organizing and dynamizing the meeting.

Sunday, September 11th	<ul style="list-style-type: none"> • 6:00 pm. Conference reception and registration. • Social reception, including a night visit to the city of Pontevedra
Monday, Sept. 12th	<ul style="list-style-type: none"> • Conference reception and registration. • Opening Ceremony. Presentations, poster sessions and discussion. • Opening dinner
Tuesday, Sep. 13th	<ul style="list-style-type: none"> • Presentations, poster sessions and discussion.
Wednesday, Sep. 14th	<ul style="list-style-type: none"> • Field trip (to the Atlantic Islands National Park, including a 30 min boat trip and lunch) and social activities (visit to a winery and some tapas for your convenience).
Thursday, Sep. 15th	<ul style="list-style-type: none"> • Presentations, poster sessions and discussion. • Social dinner
Friday, Sep. 16th	<ul style="list-style-type: none"> • Presentations, poster sessions and discussion. • Administrative meeting • Conference closing and joint lunch.

Scientific program - The scientific program for the workshop will consist of contributed talks and posters, with a maximum of 120 attendees, without concurrent sessions. Additional invited and keynote speakers will provide new visions from the frontiers of science on the topics covered by the meeting. Short discussions after every few talks and longer discussions at the end of the sessions will try to move forward our knowledge. The scientific program will be intense, but the conference room will be comfortable with individual desks and seats and plugs.

PAST CONFERENCES IN THIS SERIES

[6th Genetics of Tree-Parasite Interactions, Ohio, US, 2018](#)

[5th Genetics of Tree-Parasite Interactions, Orleans, France, 2015](#)

Social program - Social activities will be scheduled every day to enhance networking among conference participants. We will enjoy the nice environment in the city of Pontevedra, with amazing plazas and bares, and nice beaches, forests and cultural heritage places nearby. There is a nice running area along the river, the possibility of water sports and other outdoor activities.



The activities include guided visits to particular places in the town, a field trip to the Ons Island (part of the Maritime - Terrestrial National Park of the Atlantic Islands) and a dinner in Cambados, one of the best preserved historical sites in Galicia due to the large number of *pazos*, monuments and noble streets where to take a walk and famous for his white wine (Rías Baixas).

LOCAL ORGANIZING COMMITTEE

- Luis Sampedro, MBG-CSIC. lsampedro@mbg.csic.es
- María Baqueiro, MBG-CSIC. secretary.gtpi2020@mbg.csic.es
- Rafael Zas, MBG-CSIC. rzas@mbg.csic.es
- Adrian López-Vilamor, MBG-CSIC

INTERNATIONAL SCIENTIFIC COMMITTEE

- Rafael Zas. MBG-CSIC, Spain
- Alvin Yanchuk. British Columbia Ministry of Forests, Canada
- Richard Sniezko. United States Forest Service, Oregon, USA
- Paal Krokene, NIBIO, Norway
- Malin Elfstrand, SLU, Sweden
- Caterina Villari, University of Georgia, USA
- Jennifer Koch, US Forest Service, USA
- Alejandro Solla, Universidad de Extremadura
- Nadir Erbilgin, University of Alberta, Canada
- Sanushka Naidoo, FABI, South Africa
- Enrico Bonello, Ohio State University, USA
- Michelle Cleary, SLU, Sweden
- Richard Buggs, Kew Botanical Gardens, UK
- Raul de la Mata. EBD-CSIC, Spain
- Luis Sampedro. MBG-CSIC, Spain

YOUNG SCIENTIFIC ADVISORY COMMITTEE

Jennifer Klutsch, Univ. Alberta, Canada
 Miguel Nemesio Gorriz, TEAGASEC, Ireland
 Hernán Capador-Barreto, SLU, Sweden
 Carmen Romeralo, SLU, Sweden
 María Vivas, Univ Extremadura, Spain
 Carla Vazquez-Gonzalez, CSIC, Spain
 Xosé López-Goldar, Univ Michigan, US

