

Research Group 7.02.00 - Pathology



Coordinator: Tod Ramsfield

Deputies: Julio Diez Casero and Rebecca Ganley

December 2017



Tod Ramsfield

Dear Colleagues,

This is the first newsletter from the new research group leadership team. We would like to take this opportunity to thank Jolanda Roux for everything that she has done for our research group. She was instrumental in launching the new working party 7.02.13 "Forest health in southern hemisphere commercial plantations" and she oversaw multiple changes in leadership teams. I certainly enjoyed working with Jolanda and wish her all the best in her new role.

When Jolanda left the research group, I stepped into the coordinator role from the deputy position. This necessitated bringing in new deputies and I am delighted that Beccy Ganley and Julio Javier Diez Casero have agreed to work with me to lead the research group. Beccy is a scientist at Scion in New Zealand and is the leader of the new working party 7.02.13. Julio is a professor at the University of Valladolid in Spain and is the leader of working party 7.02.02 "Foliage, shoot and stem diseases". The three of us are committed to IUFRO and will do our best for the research group.

In September, IUFRO recognized its 125th Anniversary at the IUFRO 125 Congress in Freiburg, Germany. Division 7 was one of the divisions that included an all division meeting within the congress and it was very well attended. There were many excellent sessions at the congress, including special sessions organized by multiple pathology working parties. In addition to the information that was exchanged during the formal sessions, there was ample opportunity for colleagues to interact informally to discuss their research and potentially launch new collaborations.

2018 promises to be a very busy year for our research group with multiple working party meetings taking place. Looking ahead to 2019 one of the highlights will be the World Congress that is being hosted in Curitiba, Brazil from 29 September to 5 October 2019. Planning for the world congress is well underway and we expect that the call for session proposals will be released in early 2018. These session proposals are a key component in building the program and we encourage everyone who is interested in planning a session to develop and submit a proposal for consideration.

Beccy, Julio and I are looking forward to interacting with you and would like to wish you all the best for the upcoming holiday season.

Tod Ramsfield



Rebecca (Beccy) Ganley



Julio Javier Diez Casero

IUFRO 125th Anniversary Congress

From 19 - 22 September 2017, IUFRO recognized 125 years of successful international collaboration under the auspices of IUFRO since its founding in 1892. The meeting was held in Freiburg, Germany, under the theme of "Interconnecting Forests, Science and People" and it was attended by approximately 2000 scientists from 89 countries.

Division 7 had a strong presence at the congress and included an All Division 7 meeting and keynotes that were delivered by Barbara Bentz entitled "Predicting forest insect response to changing climate: Complexities and considerations", and Treena Burgess entitled "Pathogens on the move: a 100-year global experiment with planted eucalypts". Four working parties also took advantage of the congress to host sessions: WP 7.02.02 hosted "Pine pitch canker - strategies for management of *Giberella circinata* in greenhouses and forests (PINESTRENGTH)"; WP 7.02.04 hosted "Understanding viruses in trees - promoting healthy plants in forest and urban open space"; WP 7.02.10 hosted "Pine wilt disease: progress in understanding the dynamics and developing control measures", and WP 7.02.13 hosted a session "Managing pests and diseases in commercial plantations".

Division 7 was well represented at the congress, with a total of 25 oral sessions sponsored by all three Research Groups. Topics were cross cutting, such as surveillance and monitoring for invasive insects and pathogens, invasive species and international trade, forest health in a changing climate, management of invasive pests, social and economic dimensions of forest health, and the role of citizen science. There were also sessions on specific forest diseases, such as dothistroma needle blight, pine wilt disease and pitch canker. Posters were also an important feature of the congress and 77 posters were presented in Division 7 sessions.

In addition to Division 7 content, the congress provided an opportunity to interact with scientists from all of the other IUFRO divisions, and IUFRO also sponsored several "Science in Dialogue" sessions which took the form of informal armchair discussions. There were also 5 excellent plenary keynote presentations with topics including "The potential contribution of the forest sector to climate change mitigation" by Werner Kurz and "The earth system, the anthropocene and the world's forests" by Will Stefan.

If you were unable to attend the congress, recordings of the live streamed events, including the keynote presentations, are available free of charge on the meeting website. <http://iufro2017.com>

Working Party 7.02.09 - 8th meeting of Phytophthora in Forests and Natural Ecosystems

The eighth meeting of this working party occurred from 19-25 March 2017 in Sapa, Vietnam. The meeting attracted 100 participants from 25 countries and was sponsored by the Centre for Phytophthora Science and Management, Murdoch University, Perth, Western Australia, and the Forest Protection Research Centre, Vietnam Academy of Forest Sciences. The proceedings from the meeting can be found at the Forest Phytophthoras website [here](#).

The full meeting report is presented in IUFRO News, Volume 46(4).

Working Party 7.02.02 - Foliage, Shoot and Stem diseases

From 7 - 11 May 2017, 44 scientists from 14 countries met in Niagara Falls, Ontario, Canada to discuss foliage, shoot and stem diseases. The theme of the meeting was "Invasive forest pathogens and implications for biology and policy". Highlights from the meeting included a presentation from Richard Wilson on the Ontario Invasive Species Strategy and keynote presentations by Enrico Bonello entitled "A conceptual framework for solutions to black swan events in forest health" and Glen Stanosz entitled "Creating epidemics to kill native forest trees: *Diplodia sapinea* and red pine as a case study of errors and omissions". The sessions and posters focussed on:

- Invasive forest pathogens
- Pitch canker and advances in pathogen detection
- Botryosphaeriaceous and other forest pathogens
- *Hymenoscyphus fraxineus*
- Conifer foliar diseases
- Stem diseases

The meeting also included an excellent field tour through the Niagara Gorge to view butternut canker and through southern Ontario to view beech bark disease, filbert blight and root disease. A special issue of the Forestry Chronicle is currently being prepared that will include papers based on the work that was presented at this meeting. The small size of the meeting ensured that everyone had a chance to interact with each other and to enjoy the company of friends that they may not have seen since the previous meeting of the working party.

A summary of the meeting has been published by Oszako et al. (2017) in Folia Forestalia Polonica, Series A - Forestry, Volume 59(2): 159-162. The meeting was also highlighted in IUFRO News 46(7).

The next meeting of this working party is planned to take place in 2019 in Florence, Italy to be organized by Alberto Santini and Paolo Capretti.

<http://www.cif-ifc.org/iufroworkingparty2017/>



Participants gathered on the steps of the mansion at the Ruthven Park National Historic Site. (Photo Tom Hsiang).



Participants investigating beech bark disease and beech scale, near Ball's Falls Conservation area. (Photo Miloň Dvořák).

First Meeting of 7.02.13 - Forest Health in Commercial Southern Hemisphere Plantations

The first meeting of this new working party will take place in Punta de Este, Uruguay from 21-23 March, 2018. The theme of the meeting is "Improving forest health on commercial plantations" and it will include sessions on:

- Status of pest and diseases in plantations
- Biosecurity and biological invasions
- Emerging pests and diseases: diagnostics and identification
- Forest health surveillance and monitoring
- Epidemiology and population dynamics
- Pest and disease management and economic impact
- Pests and disease management in commercial plantations

Although the abstract submission deadline has passed, registration will remain open until the meeting starts. The focus of the meeting is on plantation forests; however, the topics addressed are applicable to all forest types.

More information on the meeting can be viewed [here](#)

The 6th International Workshop on the Genetics of Tree-Parasite Interactions: Tree Resistance to Insects and Diseases: Putting Promise into Practice.

This workshop will be held in Mt. Sterling, Ohio, USA from 5 - 11 August 2018. Past meetings of this workshop were recently held in Orleans, France, in 2015 and Eugene Oregon in 2011. The meeting format is highly interactive and provides an excellent opportunity for discussion and knowledge exchange. Abstract submission for this highly successful workshop is open until January 21, 2018 and submission can be conducted through the workshop website: <https://treeresistance2018.ca.uky.edu/>. The workshop is co-sponsored by IUFRO Working Parties 7.03.11 - Resistance to insects and pathogens, 2.02.15 - Breeding and genetic resources of five needle pines, the IUFRO Task Force on forests and biological invasions, and the American Phytopathological Society.

IUFRO Working Party 7.02.01 Root and Stem Rots & LIFE+ ELMIAS Ash and Elm Conference (IUFRO-LIFE).

This meeting will take place from 26 August to 1 September, 2018, at the Swedish University of Agricultural Sciences in Uppsala and Visby on Gotland Island, Sweden. This meeting carries on the long tradition of meetings sponsored by working party 7.02.01 - Root and Butt Rots, and will also include the 4th International Elm Conference and the conference "Recent Advances in Research on Ash Dieback & Dutch Elm Disease (EC LIFE+ Nature)".

Registration and abstract submission will be opened in January 2018.

For information, contact rimvys.vasaitis@slu.se and the website can viewed [here](#)

Upcoming Meetings

2018-03-21 to 2018-03-23. 1st Meeting of Working Party 7.02.13 "Improving forest health on commercial plantations". Punta del Este, Uruguay. <http://www.iufro2018puntadeleste.org>

2018-07-29 to 2018-08-03. 11th International Congress of Plant Pathology. Boston, USA. <http://www.icpp2018.org>

2018-08-05 to 2018-08-10. The 6th International Workshop on the Genetics of Tree-Parasite Interactions: Tree Resistance to Insects and Diseases: Putting Promise into Practice. Mt. Sterling, Ohio, USA. <https://treeresistance2018.ca.uky.edu/>

2018-08-26 to 2018-09-01. Combined meeting of Working Party 7.02.01 "Root & Butt Rots" in conjunction with the "4th International Elm Conference" and "Recent Advances in Research on Ash Dieback & Dutch Elm Disease (EC LIFE + Nature)". Uppsala, Sweden and Visby on the Island of Gotland. <https://www.slu.se/iufro>

2019-09-29 to 2019-10-05. XXV IUFRO World Congress. Curitiba, Brazil. <http://www.iufro2019.com>

2019 7.02.09 Phytophthora meeting in Sardinia, Italy, date to be determined.

2019 7.02.02 Foliage and Shoot disease meeting in Florence, Italy, date to be determined.

IUFRO Spotlight

Readers are encouraged to visit the IUFRO website and subscribe to the IUFRO Spotlight, a new initiative from IUFRO that highlights research work that is relevant to all IUFRO Divisions.

<http://www.iufro.org/publications/iufro-spotlights/>

FORPATH List Server

The FORPATH list server was initiated by Dale Berghdal in the early 1990s and is now hosted by IUFRO. FORPATH links the international forest pathology community by announcing meetings, jobs, graduate student positions and discussing forest pathology issues. To subscribe follow this link: <https://www.iufro.org/science/divisions/division-7/70000/70200/mailling-list/>

Newsletter Contributions

Newsletter contributions are welcome. If you would like to contribute to the newsletter, please contact Tod Ramsfield, Julio Diez Casero or Beccy Ganley at: tod.ramsfield@Canada.ca, jdcasero@pvs.uva.es, beccy.ganley@scionresearch.com

IUFRO Division 7.02 Forest Pathology Working Parties

Working Party	Coordinator	Deputies
7.02.01 - Root and butt rots	Jonas Rönnerberg	Hatice Tugba Dogmus Lehtijarvi
7.02.02 - Foliage, shoot and stem diseases	Julio Javier Diez Casero	Hatice Tugba Dogmus Lehtijarvi Glen R. Stanoz
7.02.03 - Vascular wilt diseases	Krystyna Przybyl	C. Mohanan
7.02.04 - Phytoplasma and virus diseases of forest trees	Carmen Büttner	Risto Jalkanen
7.02.05 - Rusts of forest trees	Pascal Frey	Bruce Moltzan Philippe Tanguay
7.02.06 - Disease/environment interactions in forest decline	Lori Eckhart	
7.02.07 - Diseases and insects of tropical forest trees	Sri Rahayu	Paul Bosu Carlos A Rodas
7.02.09 - Phytophthora diseases on forest trees	Giles Hardy	Susan Frankel Matteo Garbelotto Ellen Goheen Thomas Jung Andrea Vannini
7.02.10 - Pine wilt disease	Christelle Robinet	Luis Filipe Bonifacio Hyerim Han Katsunori Nakamura-Matori
7.02.11 - Parasitic flowering plants in forests	David Shaw	Simon Francis Shamoun Marcelo Luis Wagner
7.02.13 - Forest health in Southern Hemisphere commercial plantations	Rebecca (Beccy) Ganley	Rodrigo Ahumada Angus Carnegie Carlos Pérez