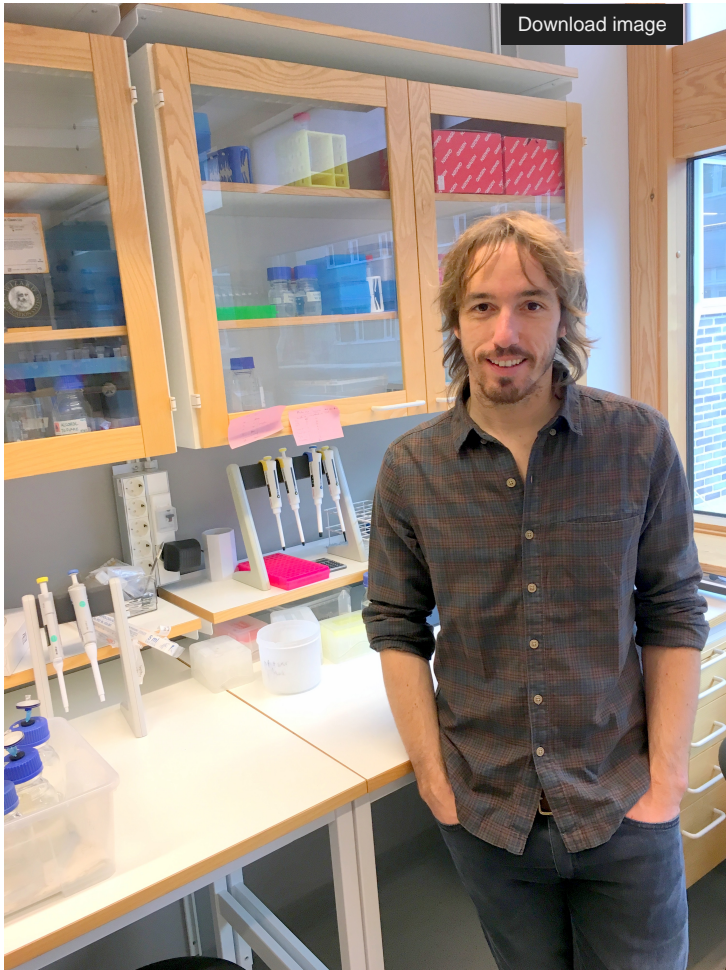




Jonàs Oliva

Associated Professor (not tenured)

Personal Information



Position: Associated Professor (not tenured)

Area of expertise: Patologia vegetal

Address: ETSEA, Edifici Principal B, despatx 1.07

Phone: +34 973 702326

E-mail: jonas.oliva@udl.cat [<mailto:jonas.oliva@pvcf.udl.cat>]

University degrees

- Doctorat, Universitat de Lleida, 2007
- Enginyer de Forests, Universitat de Lleida, 2005
- Enginyer Tècnic Forestal, Universitat de Lleida, 2001

Previous activities

- 2017- Investigador “Ramon y Cajal”, UdL
- 2015- 2017 Associate Professor (Docent), Swedish University of Agricultural Sciences (SLU), Sweden.
- 2011- 2015. Assistant Professor, SLU, Sweden.
- 2009 - 2011. Postdoc “Beatriu de Pinós”, SLU, Sweden.
- 2008 - 2009. Postdoc, SLU, Sweden.



Research

- Patologia forestal.
- Estudi de l'ecologia i trets funcionals de patògens forestals invasors (fongs i oomicets).
- Detecció de patògens forestals a l'aire i l'aigua mitjançant mètodes de seqüenciació massiva.
- Transcriptòmica i cost energètic de reaccions de defensa en arbres forestals.
- Transmissió de resistència trans-generacional en coníferes.
- Rol dels patògens en processos de mortalitat per sequera.
- Rol dels patògens forestals en la diversitat dels boscos.
- Modelització, epidemiologia i control biològic de patògens d'arrel.

Teaching

· ST IN GLOBAL ENVIRONMENTAL CHANGE

Màster Universitari Erasmus Mundus Spatial & Modelling in European Forestry

Recent Publications

Castaño C., **Oliva J.**, Martínez de Aragón J., Alday J.G., Parladé J., Pera J., Bonet J.A. 2017. Mushroom emergence detected by combining spore trapping with molecular techniques. *Applied Environ. Microbiol.* *in press*.

Redondo M.Á., Thomsen I.M., **Oliva J.** 2016 First report of *Phytophthora uniformis* and *P. plurivora* causing stem cankers on *Alnus glutinosa* in Denmark. *Plant Dis.* 101, 512-512.

Oliva J., Castaño C., Baulenas E., Domínguez G., González-Olabarría J.R., Oliach D. 2016 The impact of the socioeconomic environment on the implementation of control measures against an invasive forest pathogen. *For. Ecol. Manage.* 380, 118-127.

Oliva J., Stenlid J., Grönkvist-Wichmann L., Wahlström K., Jonsson M., Drobyshev I., Stenström E. 2016 Pathogen-induced defoliation of *Pinus sylvestris* leads to tree decline and death from secondary biotic factors. *For. Ecol. Manage.* 379, 273-280.

Stenlid J., **Oliva J.** 2016 Phenotypic interactions between tree hosts and invasive forest pathogens in the light of globalization and climate change. *Phil. Trans. R. Soc. B* 371.



- Bjelke U., Boberg J., **Oliva J.**, Tattersdill K., B.G. M. 2016 Dieback of riparian alder caused by the *Phytophthora alni* complex: projected consequences for stream ecosystems. *Freshwater Biol.* 61, 565–579.
- Redondo M.Á., **Oliva J.** 2016 First report of *Phytophthora pseudosyringae* causing stem canker on *Fagus sylvatica* in Spain. *Plant Dis* 100, 1508-1508.
- Redondo M.Á., Boberg J., Stenlid J., **Oliva J.** 2015 First report of *Phytophthora pseudosyringae* causing basal cankers on horse chestnut in Sweden. *Plant Dis* 100, 1024.
- Redondo, M. Boberg, J. Olsson, C. H. **Oliva, J.** 2015. Winter conditions correlate with *Phytophthora alni* subspecies distribution in Southern Sweden. *Phytopathol.* 105, 1191-1197.
- Oliva, J.** Rommel, S. Fossdal, C.G. Hietala, A.M. Nemesio-Gorritz, M. Solheim, H. Elfstrand, M. 2015. Transcriptional responses of Norway spruce (*Picea abies*) inner sapwood against *Heterobasidion parviporum*. *Tree Physiol.*
- Oliva, J.** Zhao, A. Zarei, S. Sedláč, P. Stenlid, J. 2015. Effect of temperature on the interaction between *Phlebiopsis gigantea* and the root-rot forest pathogen *Heterobasidion* spp. *For. Ecol. Manage.* 340, 22–30.
- Sangüesa-Barreda, G. Camarero, J.J. **Oliva, J.** Montes, F. Gazol, A. 2015. Past logging, drought and pathogens interact and contribute to forest dieback. *Agricul. Forest Meteorol.* 208, 85-94.
- Camarero, J.J. Gazol, A. Sangüesa-Barreda, G. **Oliva, J.** Vicente-Serrano, S.M. 2015. To die or not to die: early warnings of tree dieback in response to a severe drought. *J. Ecol.* 103, 44–57.
- Aguadé, D. Gómez, M. **Oliva, J.** Poyatos, R. Martínez-Vilalta, J. 2015. The role of defoliation and root rot pathogen infection in driving the mode of drought-related physiological decline in Scots pine (*Pinus sylvestris* L.). *Tree Physiol.* 35, 229-242.
- Hood, I.A. **Oliva, J.** Kimberley, M.O. Arhipova, N. Bakys, R. 2015. *Armillaria novae-zelandiae* and other basidiomycete wood decay fungi in New Zealand *Pinus radiata* thinning stumps. *Forest Pathol.*, in press.
- Samils, N. **Oliva, J.** Johannesson, H. 2014. Nuclear interactions in a heterokaryon: insight from the model *Neurospora tetrasperma*. *Proc. R. Soc. B.* 20140084.
- Oliva, J.** Stenlid, J. Martínez-Vilalta, J. 2014. The effect of fungal pathogens on the water and carbon economy of trees: implications for drought-induced mortality. *New Phytol.* 203, 1028–1035.
- Castaño, C. Colinas, C. Gómez, M. **Oliva, J.** 2014. Outbreak of Swiss Needle Cast caused by the fungus *Phaeocryptopus gaeumannii* on Douglas-fir in Spain. *New Disease Reports* 29, 19.
- Oliva, J.** Boberg, J. B. Stenlid, J. 2013. First report of *Sphaeropsis sapinea* on Scots pine (*Pinus sylvestris*) and Austrian pine (*P. nigra*) in Sweden. *New Disease Reports* 27, 23.
- Oliva, J.** Bernat, M. Stenlid, J. 2013. Heartwood stump colonisation by *Heterobasidion parviporum* and *H. annosum* s.s. in Norway spruce (*Picea abies*) stands. *For. Ecol. Manage.* 295, 1-10.
- Oliva, J.** Camarero, J.J. Stenlid, J. 2012. Understanding the role of sapwood loss and reaction zone formation on radial growth of Norway spruce (*Picea abies*) trees decayed by *Heterobasidion annosum* s.l. *For. Ecol. Manage.* 274, 201-209.
- Oliva, J.** Romeralo, C. Stenlid, J. 2011. Accuracy of Rotfinder instrument detecting decay in standing spruce (*Picea abies*) trees. *For. Ecol. Manage.* 262, 1378-1386.



- Oliva, J.** Stenlid, J. 2011. Validation of the Rotstand model for simulating *Heterobasidion annosum* root rot in *Picea abies* stands. For. Ecol. Manage. 261, 1841-1851.
- Oliva, J.** Bendz-Hellgren, M. Stenlid, J. 2011. Spread of *H. annosum s.s.* and *H. parviporum* on *Picea abies* 15 years after stump inoculation. FEMS Microb. Ecol. 75, 414-29.
- Stenlid, J. **Oliva, J.** Boberg, J.B. Hopkins, A.J. 2011. Emerging diseases in European forest ecosystems and responses in Society. Forests 2, 486-504.
- Oliva, J.** Gonthier, P. Stenlid, J. 2011. Gene flow and inter-sterility between allopatric and sympatric populations of *Heterobasidion abietinum* and *Heterobasidion parviporum* in Europe. Forest Path. 41, 243-252.
- Oliva, J.** Thor, M. Stenlid, J. 2010. Long term effects of mechanized stump treatment against *Heterobasidion annosum* s.l. root rot in *Picea abies*. Can. J. Forest Res. 40, 1020-1033.
- Oliva, J.** Thor, M. Stenlid, J. 2010. Reaction zone and periodic increment decrease in *Picea abies* trees infected by *Heterobasidion annosum* s.l.. For. Ecol. Manage. 260, 692-698.
- Oliva, J.** Colinas, C. 2010. Epidemiology of *Heterobasidion abietinum* and *Viscum album* in silver fir (*Abies alba*) stands of the Pyrenees. Forest Pathol. 40, 19-32.
- Oliva, J.** Suz, L.M. Colinas, C. 2009. Ecology of *Armillaria* species in silver fir (*Abies alba*) stands of the Spanish Pyrenees. Ann. Forest Sci. 66, 603
- Oliva, J.** Samils, N. Johansson, U. Bendz-Hellgren, M. Stenlid, J. 2008. Urea treatment reduced *Heterobasidion annosum* root rot in *Picea abies* after 15 years. For. Ecol. Manage 255, 2876–2882.
- Oliva, J.** Colinas, C. 2007. Decline of silver fir (*Abies alba* Mill.) stands in the Spanish Pyrenees: Role of management, historic dynamics and pathogens. For. Ecol. Manage. 252, 84–97.
- Oliva, J.** Colinas, C. 2007. Canopy openings may prevent fir broom rust (*Melampsorella caryophyllacearum*) infections. Eur. J. For. Res. 126, 507–511.

Per més informació (Consultes GREC [<http://webgrec.udl.cat/cgi-bin/DADREC/crgen.cgi?FONT=3&IDI=CAT&PID=367567&IDNC=201210161350170>])