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| **Kira M. T. Lynn** |
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| Forestry and Agricultural Biotechnology Institute (FABI) |
| University of Pretoria (UP) | Pretoria | 0083 | South Africa |
|  Kira.lynn@fabi.up.ac.za  |
| Link outline [FABI Website](https://www.fabinet.up.ac.za/index.php/people-profile?profile=1273) |  [My Google Scholar Page](https://scholar.google.com/citations?user=Pdi6VPkAAAAJ&hl=en) |

**ACADEMIC QUALIFICATIONS:**

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| Degree | Institution | Year |
| Ph.D. Genetics Transmission and dispersal of *Ceratocystis* species in *Eucalyptus* plantations | FABI | April 2020 – Current  |
| M.Sc. Genetics, *Cum laude**Fusarium* species associated with ambrosia beetles on *Acacia crassicarpa* in Indonesia |  FABI | May 2018- Feb 2020 |
| B.Sc. Hons. Genetics, *Cum laude*Identification methods to delineate species within *Ceratocystis* from Indonesia and Vietnam | FABI | Jan 2017- Dec 2019 |
| B.Sc. Human Physiology, Psychology & Genetics  | UP | 2014-2016 |

**RESEARCH OUTPUTS**

**Publications** [My Google Scholar Page](https://scholar.google.com/citations?user=Pdi6VPkAAAAJ&hl=en)

Lynn KMT, Wingfield MJ, Durán A, Oliveira LSS, De Beer Z, Barnes I. (2021) Novel *Fusarium* mutualists of two *Euwallacea* species infesting *Acacia crassicarpa* in Indonesia. Mycologia. 10.1080/00275514.2021.1875708

Lynn KMT, Wingfield MJ, Durán A, Marincowitz S, Oliveira LSS, De Beer Z, Barnes I. (2020) *Euwallacea perbrevis* (Coleoptera: Curculionidae: Scolytinae), a confirmed pest *on Acacia crassicarpa* in Riau, Indonesia, and a new fungal symbiont; *Fusarium rekanum* sp. nov. Antonie van Leeuwenhoek 113(6):803-823. 10.1007/s10482-020-01392-8

**Publications in review**

Lynn KMT, Wingfield MJ, Durán A, Oliveira LSS, De Beer Z, Barnes I. (TBD) *Fusarium klamidospora* sp. nov. - a unique fungal associate of *Euwallacea similis*. FUSE.

Lynn KMT, Wingfield MJ, Barnes I. (TBD) Identification of *Ceratocystis* sp. nov. on *Gmelina arborea* from Indonesia.

**Oral Presentations**

1. Lynn, K.M.T. Real-time PCR high-resolution melting curve analysis to detect Ceratocystis species in the Latin American clade. NSF fungal bio-invasions workshop. Nov 2022
2. RGE-FABI Tree health Symposium. Research update to industry partners. Annual 2018- 2022
3. Lynn, K.M.T., Wingfield, M.J., Hammerbacher, A., Barnes, I. Real-time PCR high-resolution melting curve analysis to detect *Ceratocystis* species in the Latin American clade. South African Society of Plant Pathologists’ (SASPP) 53rd Congress SASPP. Aug 2022
4. Lynn, K.M.T., Wingfield, M.J., Duran, A., de Beer, W., Barnes, I. Novel *Fusarium* mutualists of two *Euwallacea* ambrosia beetle species infesting *Acacia crassicarpa* in Indonesia. 3rd IUFRO *Acacia* Organizing Committee 2021.
5. Lynn, K.M.T., Wingfield, M.J., Duran, A., de Beer, W., Barnes, I. Discovery of seven novel *Fusarium* species associated with two ambrosia beetle species in Indonesia and their global relevance as tree pests. National Symposium on Biological Invasions 2021.
6. Lynn, K.M.T., Wingfield, M.J., Duran, A., de Beer, W., Barnes, I. Novel *Fusarium* mutualists of two *Euwallacea* species infesting *Acacia crassicarpa* in Indonesia. 52nd Congress of the South Africa society of plant pathology (SASPP) 2021.
7. Virtual annual meeting of the Mycological Society of America 2020. (Graphical abstract)
8. FAMELab speed presentations at the 2020 regional symposium.
9. Lynn, K.M.T., Wingfield, M.J., Duran, A., de Beer, W., Barnes, I. A novel haplotype of the tea shot hole borer (*Euwallacea fornicatus*) and its novel *Fusarium* sp. symbiont infesting *Acacia crassicarpa* in Indonesia. 51st Congress of the South Africa society of plant pathology (SASPP) 2019.

**WORKSHOPS ATTENDED**

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| NSF fungal bio-invasions workshop (RSA)Bark and ambrosia beetle workshop (University of Florida, USA)APS Journals – Reviewing a Manuscript 101FAMElab communicating the sciences. Bark and ambrosia beetle workshop Stanford writing the sciences course. Advanced phylogenetic workshop from Inqaba BiotecTMCourse in introductory phylogenetic workshop from Inqaba BiotecTMMicrosatellite workshop at University of Pretoria. | Nov 2022Oct 2022Oct 2021Feb 2020Nov 2019May 2019Feb 2018May 2017May 2017 |

**GRANTS AND AWARDS**

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| NRF Freestanding, Innovation and Scarce Skills Development Fund Masters and Doctoral ScholarshipRunner up for best student presentation at the 53rd Congress of the South Africa society of plant pathology (SASPP)UP Postgraduate Doctoral Bursary Runner up for best student presentation at the 51st Congress of the South Africa society of plant pathology (SASPP)NRF Freestanding, Innovation and Scarce Skills Development Fund Masters and Doctoral ScholarshipGeneral Studentship Honours Bursary from the University of Pretoria  | Jan 2020- Jan 2023Aug 2022Feb 2020 Jan 2019Jan 2018  Feb 2017  |

**LEADERSHIP POSITIONS**

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| NSF fungal bio-invasions workshop project manager Laboratory manager Co-supervisor and mentor for Honours and Master students | Nov 2022- Current2019 – Current2019 – Current  |

**INTERESTS**

Ceratocystidaceae | Diagnostic tools for pathogen detection | qPCR-HRMA | Fungal dispersal pathways

[**SCIENCE ENGAGEMENT**](#page1)

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| Engagement | Contribution  | Year  |
| IUFRO Division 7 Forest health webinar series | Technical assistant and chair for webinar series.  | 2021 |
| The Ambrosia and Bark-beetle microbiome project | Member of project and have helped compile training material | 2019 |
| Polyphagous Shot Hole Borer (PSHB) workshop  | Aided in organizing the workshop and training participants | 2018 |
| Junior science expo  | Judge for competition  | 2018 |

[**CAREER PROFILE**](#page1)

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| Position  | Organisation | Year  |
| Lab manager | FABI | UP  | 2019- Current  |
| Diagnostic clinic lab technician | FABI | UP  | 2018-2021 |
| Tutor for introductory genetics | UP | 2017 |

**OTHER QUALIFICATIONS**

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| CPR certification from CPR4life | Nov 2016 |
| Higher Exercise Science and Personal Training from the University of Pretoria | Nov 2016 |
| Neuroscience: Visual Skills Testing and Training from the University of PretoriaAdvanced driving certificate.  | Aug 2015Sept 2014 |

**REFERENCES**

|  |  |
| --- | --- |
| Prof. Irene Barnes Irene.Barnes@fabi.up.ac.za | Prof. Mike Wingfield  Mike.Wingfield@fabi.up.ac.za |