

Dr. P. M. Wilken

CURRICULUM VITAE

Department of Biochemistry, Genetics and Microbiology
Forestry and Agricultural Biotechnology Institute (FABI)

University of Pretoria

Pretoria

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South Africa

January 2020

PERSONAL DATA

Born 11th November 1982, Sasolburg, Free State, South Africa. Married to Ricky Wilken (B. Com. Accounting, UP).

Title : Dr.
Name : Markus
Initials : PM
Surname : Wilken
Identification number : 8211115017084
Current organisation : University of Pretoria
Citizenship : South Africa
Date of birth : 11 November 1982
Gender : Male
Race : Caucasian
Highest qualification : PhD. Genetics
Year obtained : 2015

CONTACT DETAILS

Organisation where based : University of Pretoria
Position : Lecturer
Department : Biochemistry, Genetics and Microbiology
Faculty : Natural and Agricultural Sciences
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WORK ADDRESS

Organisation Address : Department of Biochemistry, Genetics and Microbiology
Forestry and Biotechnology Institute (FABI)
University of Pretoria
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City : Pretoria

Code : 0002

Province or State : Gauteng

Country : South Africa

EDUCATION

2009-2015 University of Pretoria, Pretoria.
Degree: Ph.D. (Genetics).
Promoter: Prof. B.D. Wingfield
Thesis: Mating in *Ceratocystis*

2006-2009 University of Pretoria, Pretoria.
Degree: M.Sc. (Genetics) (*Cum Laude*).
Promoter: Prof. B.D. Wingfield
Thesis: Identification and application of mating type gene sequences in *Ophiostoma*

2005 University of Pretoria, Pretoria.
Degree: B.Sc. (Hons) (Genetics) (*Cum Laude*).
Promoter: Prof. B.D. Wingfield

Thesis: Identification and molecular characterization of RAB1 involved in mating in *Amylostereum areolatum*

2001-2004

University of Pretoria, Pretoria.

Degree: B.Sc., December, 2004.

Majors: Genetics and Biochemistry.

EMPLOYMENT

2004

Research Assistant. Forestry and Agricultural Biotechnology Institute, University of Pretoria, Pretoria. Duties involved general laboratory maintenance as well as limited molecular techniques.

2005-2013

Technical assistant. Department of Genetics, University of Pretoria, Pretoria. Duties involved the presentation of the practical components and the marking of assignments, tests and exam papers for the theoretical component of several undergraduate Genetics courses. These courses were Introductory Genetics (2005-2010, 2012), Eukaryotic Gene Regulation (2006-2008) and Molecular and Cell Biology (2009-2011, 2013).

2016

UP Post-doctoral Fellow. Department of Genetics, University of Pretoria, Pretoria.

2017-2018

Claude Leon Post-doctoral Fellow. Department of Genetics, University of Pretoria, Pretoria.

2019-present

Lecturer. Department of Biochemistry, Genetics and Microbiology, University of Pretoria, Pretoria.

TEACHING EXPERIENCE

University of Pretoria 2019

Undergraduate: Molecular Biology 1st year Biology students)

- Theory and tutorial components

Tshwane University of Technology 2011-2019

Undergraduate: Immunology 2nd year (2011-2015, 2017-2019)

- Theory component

Undergraduate: Virology 2nd year (2013-2014, 2017)

- Theory component

Undergraduate: Bioprocessing 3rd year (2014-2015)

- Practical and theory components (2014)
- Molecular practical component (2015)

Postgraduate: Recombinant DNA Technology IV (2015)

- Molecular practical component

University of Pretoria 2018

Undergraduate: Bacterial Genetics for 3rd year BSc. students (temporary lecturer)

- Theory component

University of Pretoria 2011-2012

Senior Technical Assistant and Course Administrator: Plant Genetics and Biotechnology 3rd year, Molecular and Cellular Biology, 1st year.

University of Pretoria 2005-2012

Technical Assistant: Genetics courses

Honours students

M. Simpson 2009 (UP) [Co-supervisor]

T. Hall 2010 (*Cum Laude*) (UP) [Co-supervisor]

D. Roodt 2012 (*Cum Laude*) (UP) [Co-supervisor]

A. Wilson 2013 (*Cum Laude*) (UP) [Co-supervisor]
C. Tatham 2015 (*Cum Laude*) (UP) [Co-supervisor]
C. Jordaan 2016 (UP) [Co-supervisor]
F. Lane 2017 (*Cum Laude*) (UP) [Supervisor]
N. Maseko 2018 (UP) [Co-supervisor]
J. Mollentze 2018 (UP) [Supervisor]
D. Kramer 2019 (*Cum Laude*) (UP) [Supervisor]

MSc. Students

M. Simpson - 2010-2011 (*Cum Laude*) (UP) [Co-supervisor]
T. Hall - 2011-2014 (UP) [Co-supervisor]
D. Roodt - 2013-2015 (*Cum Laude*) (UP) [Co-supervisor]
A. Wilson - 2014-2015 (*Cum Laude*) [Co-supervisor]
C. Tatham - 2016-present [Co-supervisor]
F. Lane - 2018-2019 [Co-supervisor]
N. Maseko - 2019-present [Supervisor]
D. Kramer - 2020-present [Supervisor]

PhD. Students

A. Wilson - 2016-2019 [Co-supervisor]
F. Lane - 2020-present [Supervisor]

PUBLIC ENGAGEMENT

UPWithScience program

Project member (2005-2013, 2015-2016), Project leader (2007-2013)

FABI Mentorship Program

Selection panel member – 2011-2017, Program leader – 2012-2013

Mentor to Undergraduate Students – 2006-2015, 2017

FABI Outreach program

Member – 2010-2013, 2015-2016, Program leader – 2010-2013

Expo Science Jude

Judged senior grade projects from 2015-2016, 2018-2019

MEMBERSHIPS OF SOCIETIES

South African Genetics Society (member 2009-present)

South African Society for Plant Pathology (member 2008-present)

Golden Key International Honour Society (member 2010-present)

AWARDS

Received an ICPP 2018 Congress Bursary that covers registration to attend the 2018 ICPP meeting in Boston, USA – Awarded in 2018

FABI Mentorship Award for the mentoring of under-graduate and post-graduate students – Awarded in 2010 and 2011

FABI Outreach Award for efforts in communicating the Scientific Message to the public – Awarded in 2011 and 2012

FABIan of the Year Award for significant contributions to the success of FABI – Awarded in 2013

SCIENTIFIC PUBLICATIONS

1. Sayari M, Van der Nest MA, Steenkamp ET, Soal NC, Wilken PM et al. (2019) Distribution and evolution of nonribosomal peptide synthetase gene clusters in the *Ceratocystidaceae*. *Genes* <https://doi.org/10.3390/genes10050328>.
2. Wilson AM, Wilken PM, Van der Nest MA, Wingfield MJ, Wingfield BD (2019) It's all in the genes: the regulatory pathways of sexual reproduction in Filamentous Ascomycetes. *Genes* <https://doi.org/10.3390/genes10050330>.
3. Van der Nest MA, Steenkamp ET, Roodt D, Soal NC, Palmer M et al. (2019) Genomic analysis of the aggressive tree pathogen *Ceratocystis albifundus*. *Fungal Biology* <https://doi.org/10.1016/j.funbio.2019.02.002>.
4. Wingfield BD, Liu M, Nguyen HDT, Lane FA, Morgan SW et al. (2018) IMA Genome-F 10: Nine draft genome sequences of *Claviceps purpurea* s.lat., including *C. arundinis*, *C. humidiphila*, and *C. cf. spartinae*, pseudomolecules for the pitch canker pathogen *Fusarium circinatum*, draft genome of *Davidsoniella eucalypti*, *Grosmannia galeiformis*, *Quambalaria eucalypti*, and *Teratosphaeria destructans*. *IMA Fungus* 9, 401-418.
5. Wingfield BD, Bills GF, Dong Y, Huang W, Nel W et al. (2018) IMA Genome-F 9: Draft genome sequence of *Annulohyphoxylon stygium*, *Aspergillus mulundensis*, *Berkeleyomyces basicola* (syn. *Thielaviopsis basicola*), *Ceratocystis smalleyi*, two *Cercospora beticola* strains, *Coleophoma cylindrospora*, *Fusarium fracticaudum*, *Phialophora* cf. *hyalina*, and *Morchella septimelata*. *IMA Fungus* 9, 199-223.
6. Wilken PM, Steenkamp ET, Van der Nest MA, Wingfield MJ, De Beer ZW and Wingfield BD. (2017) Unexpected placement of the *MAT1-1-2* gene in the *MAT1-2* idiomorph of *Thielaviopsis*. *Fungal Genetics and Biology* 113, 32-41.
7. Wilson AM, Van der Nest MA, Wilken PM, Wingfield MJ and Wingfield BD. (2018) Pheromone expression reveals putative mechanism of unisexuality in a saprobic ascomycete fungus. *PLoS ONE* 13, e0192517.

8. Wingfield BD, Berger DK, Steenkamp ET, Lim H-J, Duong T et al. (2017). IMA Genome-F 8 - Draft genome of *Cercospora zeina*, *Fusarium pininemorale*, *Hawksworthiomyces lignivorus*, *Huntia decipiens* and *Ophiostoma ips*. IMA Fungus 8, 385-396.
9. Wilken PM, Steenkamp ET, Wingfield MJ, De Beer ZW and Wingfield MJ. (2017) Which *MAT* gene? Pezizomycotina (Ascomycota) mating-type gene nomenclature reconsidered. Fungal Biology Reviews 31(4), 199-211.
10. Wingfield BD, Duong TA, Hammerbacher A, van der Nest MA et al. (2016) IMA Genome F7: Draft genome sequences for *Ceratocystis fagacearum*, *C. harringtonii*, *Grosmannia penicillata*, and *Huntia bhutanensis*. IMA Fungus 7(2), 317-323.
11. Wingfield BD, Ambler JM, Coetzee M, De Beer ZW et al. (2016) IMA Genome F6: Draft genome sequences of *Armillaria fuscipes*, *Ceratocystiopsis minuta*, *Ceratocystis adiposa*, *Endoconidiophora laricicola*, *E. polonica* and *Penicillium freii* DAOMC 242723. IMA fungus 7(1), 217-227.
12. Van der Nest MA, Steenkamp ET, McTaggart AR, Trollip C, Godlonton T, Sauerman E, Roodt D, Naidoo K, Coetzee MPA, Wilken PM, Wingfield MJ and Wingfield BD (2015) Saprophytic and pathogenic fungi in the Ceratocystidaceae differ in their ability to metabolize plant-derived sucrose. BMC Evolutionary Biology 15(1), 1.
13. Wingfield BD, Barnes I, De Beer ZW, De Vos L et al. (2015) IMA Genome-F 5: Draft genome sequences of *Ceratocystis eucalypticola*, *Chrysosporthe cubensis*, *C. deuterocubensis*, *Davidsoniella virescens*, *Fusarium temperatum*, *Graphilbum fragrans*, *Penicillium nordicum*, and *Thielaviopsis musarum*. IMA fungus 6(2), 493-506.
14. Marincowitz S, Coetzee MPA, Wilken PM, Wingfield BD and Wingfield MJ. (2015) Phylogenetic placement of *Itajahya*: An unusual Jacarande fungal associate. IMA Fungus 6(2), 257-262.

15. Wilson AM, Godlonton T, Van der Nest MA, Wilken PM, Wingfield MJ and Wingfield BD. (2015) Unisexual reproduction in *Huntiaella moniliformis*. *Fungal Genetics and Biology* 80, 1-9.
16. Wilson AM, Wilken PM, Van der Nest MA, Steenkamp ET, Wingfield MJ and Wingfield BD. (2015) Homothallism: an umbrella term for describing diverse sexual behaviours. *IMA Fungus*, 6(1), 207-214.
17. Van der Nest MA, Beirn LA, Crouch JA, Demers JE *et al.* (2014) IMA Genome-F 3: Draft genomes of *Amanita jacksonii*, *Ceratocystis albifundus*, *Fusarium circinatum*, *Huntiaella omanensis*, *Leptographium procerum*, *Rutstroemia sydowniana*, and *Sclerotinia echinophila*. *IMA Fungus* 5(2), 472-485.
18. Van der Nest MA, Bihon W, De Vos L, Naidoo K, Roodt D, Rabagotti E, Slippers B, Steenkamp ET, Wilken PM, Wilson A, Wingfield MJ and Wingfield BD. (2014) Draft genome sequences of *Diplodia sapinea*, *Ceratocystis manginecans*, and *Ceratocystis moniliformis*. *IMA Fungus* 5(1), 135-140.
19. Wilken PM, Steenkamp ET, Wingfield MJ, De Beer ZW and Wingfield MJ. (2014) DNA loss at the *Ceratocystis fimbriata* mating locus results in self-sterility. *PLoS ONE* 9(3), e92180.
20. Wilken PM, Steenkamp ET, Wingfield MJ, De Beer ZW and Wingfield MJ. (2013) IMA Genome-F1: Draft nuclear genome sequence for the plant pathogen, *Ceratocystis fimbriata*. *IMA Fungus* 4(2), 357-358.
21. Simpson MC, Wilken PM, Coetzee MP, Wingfield MJ, and Wingfield BD. (2013) Analysis of microsatellite markers in the genome of the plant pathogen *Ceratocystis fimbriata*. *Fungal Biology* 117(7-8), 545-555.
22. Van der Nest MA, Steenkamp ET, Wilken PM, Stenlid, J, Wingfield MJ, and Wingfield BD, and Slippers B. (2013) Mutualism and asexual reproduction

influence recognition genes in a fungal symbiont. *Fungal Biology* 117(6), 439-450.

23. Wilken PM, Steenkamp ET, Hall TA, De Beer, ZW, Wingfield MJ, and Wingfield BD. (2011) Both mating types in the heterothallic fungus *Ophiostoma quercus* contain *MAT1-1* and *MAT1-2* genes. *Fungal Biology* 116(3), 427-437.
24. Wingfield BD, Steenkamp ET, Santana QC, Coetzee MPA, Bam S, Barnes I, Beukes CW, Chan WY, De Vos L, Fourie G, Friend M, Gordon TR, Herron DA, Holt C, Korf I, Kvas M, Martin SH, Mlonyeni XO, Naidoo K, Phasha MM, Postma A, Reva O, Roos H, Simpson M, Slinski S, Slippers B, Sutherland R, Van der Merwe NA, Van der Nest M, Venter SN, Wilken PM, Yandell M, Zipfel R, and Wingfield MJ. (2012) First fungal genome sequence from Africa: a preliminary analysis. *South African Journal of Science* 108, 1-9.
25. Van der Nest MA, Slippers B, Stenlid J, Wilken PM, Vasaitis R, Wingfield MJ, and Wingfield BD. (2008) Characterization of the systems governing sexual and self-recognition in the white rot homobasidiomycete *Amylostereum areolatum*. *Current Genetics* 53, 323-336.

SCIENTIFIC CONFERENCE CONTRIBUTIONS

1. Wilken PM, Kanzi AM, Steenkamp ET, Wingfield BD (2019). Non-model species challenging the norm: A mating-type locus case study. Poster presentation: 30th Fungal Genetics Conference, Pacific Grove, California, USA. 12-17 March 2019.
2. Wilken PM, Maseko NN, Steenkamp ET, Wingfield BD (2019). The mating-type locus of *Ophiostoma quercus*. Poster presentation: 30th Fungal Genetics Conference, Pacific Grove, California, USA. 12-17 March 2019.
3. Lane F, Wilken PM, Wingfield BD (2018). Deletion of mating-type genes in the production of asexual spores in the fungus *Ceratocystis albifundus*. Oral Presentation: 2018 Joint Congress of the South African Genetics Society

- (SAGS) and the South African Society for Bioinformatics (SASBi), Golden Gate Resort, South Africa. 16-18 October 2018.
4. Wilken PM, Steenkamp ET, Wingfield MJ, De Beer ZW, Wingfield BD (2018) Mating strategies in the Ceratocystidaceae that includes pathogens of trees and agronomic crop plants. Poster Presentation: International Congress of Plant Pathology (ICPP) 2018, Boston, USA. 29 July - 3 August 2018.
 5. Wilken PM, Steenkamp ET, Wingfield MJ, De Beer ZW, Wingfield BD (2018) Evidence for post-mating species barriers in *Ceratocystis*. Poster Presentation: International Congress of Plant Pathology (ICPP) 2018, Boston, USA. 29 July - 3 August 2018.
 6. Wilken PM, Steenkamp ET, De Beer ZW, Wingfield MJ, Wingfield BD (2018) Characterization of the *MAT* locus in species of Ceratocystidaceae utilizing uni-directional mating-type switching. Poster Presentation: 11th International Mycological Congress, San Juan, Puerto Rico, 15-21 July 2018.
 7. Wilson AM, Van der Nest MA, Wilken PM, Wingfield MJ, Wingfield BD (2018) Pheromone expression in the unisexual fungus, *Huntia moniliformis*. Poster Presentation: International Congress of Plant Pathology (ICPP) 2018, Boston, USA. 29 July - 3 August 2018.
 8. Wilson AM, Van der Nest MA, Wilken PM, Wingfield MJ, Wingfield BD (2018) Characterization of *MAT1-2-7*: a novel *MAT* gene in the wood-infecting fungus *Huntia omanensis*. Poster Presentation: International Congress of Plant Pathology (ICPP) 2018, Boston, USA. 29 July - 3 August 2018.
 9. Wilken PM, Steenkamp ET, Wingfield MJ, De Beer ZW, Wingfield BD (2018) The *MAT* locus of species in the genera *Ceratocystis*, *Endoconidiophora*, and *Davidsoniella*. Oral Presentation: 44th Conference of the South African Association of Botanists, Pretoria, South Africa. 9-12 January 2018.
 10. Dewing C, Van der Nest MA, De Vos L, Wilken PM, Wingfield BD, Steenkamp ET (2018) Genome comparisons reveal processes implicated in host specificity in agriculturally important *Fusarium* species. Oral Presentation: 44th Conference of the South African Association of Botanists, Pretoria, South Africa. 9-12 January 2018.
 11. Wilken PM, Steenkamp ET, Wingfield MJ, De Beer ZW, Wingfield BD (2017) Review and revision of the nomenclature system for *MAT* genes in the

- Pezizomycotina. Poster Presentation: 85th Annual Meeting of the Mycological Society of America, Athens, USA. 16-19 July 2017.
12. Wilken PM, Steenkamp ET, Wingfield MJ, De Beer ZW, Wingfield BD 2017. Naming mating genes: A review of Pezizomycotina *MAT* gene nomenclature. Poster presentation: 29th Fungal Genetics Conference, Pacific Grove, USA. 14-19 March 2017.
 13. Wilken PM, Steenkamp E, Wingfield MJ, Wingfield BD 2017. Uni-directional mating type switching in *Davidsoniella virescens*. Poster presentation: 29th Fungal Genetics Conference, Pacific Grove, USA. 14-19 March 2017.
 14. Tatham CT, Van der Nest MA, Wilken PM, Wingfield MJ, Wingfield BD (2017) Deciphering the *Teratosphaeria destructans* mating system: a genomics approach. Poster presentation: 29th Fungal Genetics Conference, Pacific Grove, USA. 14-19 March 2017.
 15. Wilson A, van der Nest MA, Wilken PM, Wingfield MJ, Wingfield BD (2017) Unpacking the molecular mechanism behind unisexual reproduction in *Huntia moniliformis*. Oral presentation: 29th Fungal Genetics Conference, Pacific Grove, USA. 14-19 March 2017.
 16. Wilken PM, Steenkamp ET, Wingfield MJ, De Beer ZW, Wingfield BD (2017) Mating strategies across the Ceratocystidaceae: fungal pathogens of trees and agronomic crop plants. Oral presentation: 50th Congress of the South African Society for Plant Pathology (SASPP), Champagne Sports Resort, Drakensberg, South Africa, 15-19 January 2017.
 17. Tatham CT, Wilken PM, Van der Nest MA, Wingfield MJ, Wingfield BD (2017) Deciphering the mating locus structure of the *Eucalyptus* leaf and shoot pathogen *Teratosphaeria destructans*. Poster presentation: 50th Congress of the South African Society for Plant Pathology (SASPP), Champagne Sports Resort, Drakensberg, South Africa, 15-19 January 2017.
 18. Wilson A, van der Nest MA, Wilken PM, Wingfield MJ, Wingfield BD (2016) Understanding unisexual reproduction in *Huntia moniliformis*. Oral presentation: 4th Joint Congress of the South African Society for Bioinformatics (SASBi) and the South African Genetics Society (SAGS), Durban, South Africa.

19. Wilson AM, Wilken PM, Van der Nest MA, Wingfield MJ, Wingfield BD (2015) Unisexual reproduction in *Huntia moniliformis*. Poster presentation at the 28th Fungal Genetics Meeting, Pacific Grove, California, 17-22 March.
20. Wilson AM, Wilken PM, Van der Nest MA, Wingfield MJ and Wingfield BD. (2015) Characterization of the *MAT* Locus in the saprobe *Huntia omanensis*. Poster presentation at the South African Association of Botanists meeting, Venda, Limpopo.
21. Wilson AM, Wilken PM, Van der Nest MA, Wingfield MJ and Wingfield BD (2015) Heterothallism in *Huntia omanensis* is supported by the structure of its *MAT* locus. Poster presentation at the South African Society for Plant Pathology Congress in Bloemfontein, Free State, South Africa. Abstract published in South African Journal of Botany 98, 216.
22. Wilken PM, Steenkamp ET, Wingfield MJ, De Beer ZW, Wingfield BD (2013) Molecular basis of mating type switching in *Ceratocystis fimbriata*. Poster presentation at the 10th International Congress of Plant Pathology (ICPP). Beijing, China, 25-30 August.
23. Wilken PM, Steenkamp ET, Wingfield MJ, de Beer ZW and Wingfield BD (2013) Mating in the self-fertile plant pathogen *Ceratocystis fimbriata*. Poster presentation at the 48th Annual Congress of the Southern African Society for Plant Pathology, Bela Bela, South Africa, 20-24 January.
24. Roodt D, Wilken PM, Wingfield MJ and Wingfield BD. (2013) The *MAT* locus of species within the *Ceratocystis fimbriata sensu lato* complex. Poster presentation at the 48th Annual Congress of the Southern African Society for Plant Pathology, Bela Bela, South Africa, 20-24 January.
25. Simpson MC, Wilken PM, Coetzee MPA, Wingfield MJ and Wingfield BD. (2013) Analysis of microsatellite abundance and distribution in the genome of *Ceratocystis fimbriata*. Poster presentation at the 48th Annual Congress of the Southern African Society for Plant Pathology, Bela Bela, South Africa, 20-24 January.
26. Wilken PM, Steenkamp ET, De Beer ZW, Wingfield MJ and Wingfield BD. (2012) Gene loss during mating type switching in *Ceratocystis fimbriata*. Oral presentation at the 22nd Southern African Genetics Society and 1st South African Society for Bioinformatics and Computational Biology Conference, University of Stellenbosch, Cape Town, South Africa, 10-12 September

27. Hall TA, Wilken PM, Wingfield MJ and Wingfield BD. (2012) A novel mating type idiomorph structure in the homothallic fungus, *Ceratocystis moniliformis*. Oral presentation at the 22nd Southern African Genetics Society and 1st South African Bioinformatics and Computational Biology Society Conference. Stellenbosch University, Stellenbosch, South Africa, 10-12 September.
28. Simpson MC, Wilken PM, Coetzee MPA, Wingfield MJ and Wingfield BD. (2012) Development of a diagnostic test to differentiate between cryptic species in the *Ceratocystis fimbriata sensu lato* complex. Poster presentation at the SASPP Northern Branch Postgraduate Symposium, University of Pretoria, Pretoria, 31 August.
29. Wilken PM, Steenkamp ET, De Beer ZW, Wingfield MJ, Barnes I, and Wingfield BD. (2011) The mating type locus of *Ceratocystis fimbriata*. Poster presentation at the EMBO Comparative Genomics Conference, Sant Feliu de Guixols, Spain, 15-20 October.
30. Wilken PM, De Beer ZW, Steenkamp ET, Wingfield MJ and Wingfield BD. (2011) Full genome sequencing contributes to an understanding of mating in *Ceratocystis fimbriata*. Oral presentation: The 47th Annual Congress of the Southern African Society for Plant Pathology, Kruger National Park, South Africa, 23-26 January.
31. Hall TA, Wilken PM, de Beer ZW, Wingfield MJ and Wingfield BD. (2011) The *MAT1-1* gene structure in *Ophiostoma quercus*. Poster presentation: The 47th Annual Congress of the Southern African Society for Plant Pathology, Kruger National Park, South Africa, 23-26 January.
32. Simpson MC, Wilken PM, Coetzee MPA, Wingfield MJ and Wingfield BD. (2011) Evaluation of microsatellites in the genome of *Ceratocystis fimbriata*. Poster presentation: The 47th Annual Congress of the Southern African Society for Plant Pathology, Kruger National Park, South Africa, 23-26 January.
33. Wilken PM, De Beer ZW, Wingfield MJ and Wingfield BD. (2010) Presence of both *MAT1-1* and *MAT1-2* mating idiomorph sequences in single spore isolates of the heterothallic fungus, *Ophiostoma quercus*. Poster presentation: The 21st South African Genetics Society Congress, Bloemfontein.

34. Simpson MC, Wilken PM and Wingfield BD. (2010) Elucidation of an unexpected gene in the *MAT-1* idiomorph of *Ophiostoma quercus*. Poster presentation at the 21st South African Genetics Society Congress, Bloemfontein, South Africa.
35. Van der Nest MA, Slippers B, Wilken PM, Van Zyl K, De Vos L *et al.* (2009) Genetic linkage map for *Amylostereum areolatum* reveals an association between vegetative growth and sexual and self recognition. Poster Presentation: Mycological Society of America Meeting, Snowbird, Utah, United States of America.
36. Wilken PM, De Beer ZW, Wingfield MJ, Wingfield BD. (2009) Mating (*MAT*) genes in the fungal genus *Ophiostoma*. Poster Presentation: 46th Congress of the Southern African Society for Plant Pathology, Gordon's Bay.
37. Van der Nest MA, Slippers B, Wilken PM, Van Zyl K, De Vos L *et al.* (2008) Location of sexual and vegetative compatibility loci on an AFLP-based genetic linkage map of *Amylostereum areolatum*. Poster Presentation: 9th International Congress of Plant Pathology, Torino, Italy.
38. Van der Nest MA, Slippers B, Wilken PM, Van Zyl K, De Vos L *et al.* (2008) Placement of *Amylostereum areolatum* compatibility genes and QTLs for homokaryon vigour on an AFLP linkage map. Poster Presentation: 20th South African Genetics Society Congress, Pretoria, 27-29 March.
39. Wilken PM, De Beer ZW, Wingfield MJ, Wingfield BD. (2008) The amplification of *MAT-2* genes in the fungal genus *Ophiostoma*. Poster Presentation: 20th South African Genetics Society Congress, Pretoria, 27-29 March.
40. Van der Nest MA, Slippers B, Wilken PM, Van Zyl K, Stenlid J *et al.* (2008) Location of sexual and vegetative compatibility loci on an AFLP based genetic linkage map of *Amylostereum areolatum*. Poster presentation at the 9th International Congress of Plant Pathology, Torino, Italy, August 24-29.
41. Van der Nest MA, Slippers B, Wilken PM, Stenlid J, Wingfield MJ and Wingfield BD. (2006) The effect of selection against sexual recombination on the diversity of *Amylostereum areolatum* mating-type genes. Poster presentation at the International Mycological Congress, Cairns, Australia, August 21-25.

42. Van der Nest MA, Wilken PM, Slippers B, Stenlid J, Wingfield BD *et al.* (2006) Sexual compatibility in *Amylostereum aerolatum*. Poster presentation at the 44th Annual Congress of the Southern African Society for Plant Pathology, Pretoria, 22-25 January.

REFERENCES

1. Name: Prof. B.D. Wingfield

Job Title: Deputy Dean, Faculty of Natural and Biological Sciences

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2. Name: Prof. M.J. Wingfield

Job Title: Director, Forestry and Agricultural Biotechnology Institute

Company: University of Pretoria

Address: Lunnon Road, Pretoria

Phone Number: 012-420-3938

Email Address: Mike.Wingfield@fab.up.ac.za

3. Name: Prof. Paulette Bloomer

Job title: Head of Department, Department of Biochemistry, Genetics and Microbiology

Company: University of Pretoria

Address: Lunnon Road, Pretoria

Phone Number: 012-420- 3259

Email Address: Paulette.Bloomer@up.ac.za

3. Name: Dr. C.I. Boshoff

Job Title: Head of Department, Biomedical Department

Company: Tshwane University of Technology, Arcadia Campus

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