
BIOGRAPHICAL SKETCH

NAME	POSITION TITLE		
James Francis White, Jr.	Professor		
EDUCATION/TRAINING			
INSTITUTION AND LOCATION	DEGREE (if applicable)	YEAR(s)	FIELD OF STUDY
Auburn University, Auburn, Alabama.	B.S.	1981	Botany
The University of Texas at Austin, Texas	Ph.D.	1987	Botany/Mycology
The Ohio State University, Ohio	Post-Doc.	1988	Botany/Mycology

A. Positions and honors.

Positions

- 1988-1995. Auburn University at Montgomery; Dept. Biology; Assistant Prof.; Associate Prof.
- 1995-Pres. Rutgers University; Dept Plant Biol. & Pathology; Assistant Prof.; Assoc. Prof; Full Prof.
- 2002-2011. Rutgers University; Dept. Chair, Plant Biol. & Pathol.

Honors

1990. Junior Faculty Fellowship for Research (Auburn University Montgomery).
1993. Faculty Research Award (Auburn University at Montgomery).
1994. University Distinguished Researcher Award (Auburn University at Montgomery).
1996. Alexopoulos Prize (Mycological Society of America). For innovative mycological research.
1998. Research Excellence Award (Rutgers University). For research performance.
1998. Rutgers Board of Trustees Research Fellowship. For scholarly excellence.
2005. AAAS Fellow (2005). One of two Rutgers University Professors named as Fellow of the American Association for the Advancement of Science in 2005 for research on the biology and ecology of endophytic fungi.

B. Selected peer-reviewed publications

- Koroch, A., H. Juliani, J. Bischoff, E. Lewis, G. Bills, J. Simon, and J. White, Jr. 2004. Examination of plant biotrophy in the scale insect parasitizing fungus *Dussiella tuberiformis*. *Symbiosis* 37: 1-14.
- White, J.F., Jr., R. Sullivan, G. Balady, T. Gianfagna, Q. Yue, W. Meyer, and D. Cabral. 2001. A fungal endosymbiont of the grass *Bromus setifolius*: distribution in some Andean populations, identification, and examination of beneficial properties. *Symbiosis* 31: 241-25.
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- Bischoff, J.F., and J.F. White, Jr. 2005. Evolutionary development of the Clavicipitaceae. Pages 505-518, in: The Fungal Community: Its Organization and Role in the Ecosystem, 3rd Edition, J. Dighton, J.F. White, Jr., P. Oudemans, Eds., CRC Press, Boca Raton, FL.
- Torres, M.S., J.F. White, Jr., G. Cazares, M. Bergen, J. Bischoff, and R.F. Sullivan. 2005. A new species and its phylogenetic placement in the *Didymella/Phoma* complex (Phaeosphaeriaceae, Pleosporales). Mycotaxon 93: 297-308.
- Torres, M.S., J.F. White, Jr., and F. F. Bischoff. 2006. A new species of *Cordyceps* in the *militaris* group. Mycotaxon 94:253-263.
- Koroch, A., M. S. Torres, H. R. Juliani, J. E. Simon and J.F. White, Jr 2006. Host nutrient adaptation in two symbiotic fungi: *Balansia henningsiana* and *Hypocrella phyllogena* (Clavicipitaceae; Ascomycetes). Symbiosis 42: 1-6.
- Spatofora, J.W., G.H. Sung, J.M. Sung, N. Hywel-Jones and J.F. White. 2007. Phylogenetic evidence for an animal pathogen origin of ergot and other grass endophytes. Molecular Ecology 16: 1701-1711.
- Torres, M.S. and J.F. White Jr. Endophytic fungi. 2007. Pages 525-528 in The McGraw-Hill Encyclopedia of Science & Technology. 10th edition. Invited article.
- Tadych, M., M. Bergen, F. M. Dugan, and J. F. White. 2007. Evaluation of the potential role of water in the spread of conidia of the Neotyphodium endophyte of *Poa ampla*. Mycological Research 111: 466-472.
- Rodriguez, R.J; White, JF; Arnold, AE; Redman, R. 2009. Fungal endophytes: diversity and functional roles. New Phytologist 182: 314-330.
- Torres, M.S. and J.F. White Jr. 2009. Free-living and saprotrophs to plant endophytes. Pages 422-430 in Encyclopedia of Microbiology, 3rd edition (Moselio Schaechter, Ed.), Elsevier.
- Alvarez-Loayza, P., J. F. White Jr., N. Gil, J-C. Svenning, H. Balslev, T. Kristiansen. 2011. Light converts endosymbiotic fungus to pathogen, influencing seedling survival and recruitment of host. PLOS 1 (In Press).

C. Edited books

1. Bacon, C. W., and J. F. White, Jr. (editors). 1994. Biotechnology of *Acremonium* endophytes of grasses. CRC Press, Boca Raton, FL. 226 pages; ISBN-10: 0849362768; ISBN-13: 978-0849362767.
 2. Bacon, C. W., and J. F. White, Jr. (editors). 2000. Microbial Endophytes. Marcel-Dekker, New York. 514 pages; ISBN 0824788311.
 3. White, J.F., Jr. C. W. Bacon, J. Spatofora, N. Hywel-Jones (editors). 2004. The Clavicipitalean Fungi. Marcel-Dekker, New York. 640 pages; ISBN-10: 0824742559; ISBN-13: 978-0824742553.
 4. Dighton, J., J. F. White, Jr., and P. Oudemans (editors). 2005. The Fungal Community: Its Organization and Role in the Ecosystem (Third edition). CRC Press, Boca Raton, FL. 936 pages; ISBN 0824723554.
 5. White, J., and M. S. Torres (editors). 2009. Defensive Mutualism in Microbial Symbiosis. Taylor & Francis Publishers, NY. 430 pages; ISBN: 9781420069310.
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D. Research support

NSF DEB 0328364 (PEET Program). 2004-2010. National Science Foundation DEB: Title: Systematics Systematic Studies in Gnomoniaceae (Ascomycetes). Goal: Monography of endophytic fungi of plants belonging to the family Gnomoniaceae (Ascomycetes). \$750K over 5 years; Role PI.

NIH U01 TW006674-05 (ICBG Program). 9/2003-9/2008. National Institutes for Health (NIH/NSF/USDA Foreign Services), International Cooperative Biodiversity Groups. Title: Building New Pharmaceutical Capabilities in Central Asia. Goal: Major goals of this project are to develop and commercialize bioactive plant, fungal, and microbial extracts from Central Asia countries toward strengthening scientific ties and building economic strengths. \$3.7 M over 5 years; Role: Co-PI.
