

James F. White, Jr.

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Professional Preparation:

Undergrad	Auburn University	Major Botany	BS Degree, 1981
Graduate study	Auburn University	Major Pl. Path.	MS Degree, 1984
Graduate study	U. Texas	Major Botany	Ph.D. Degree, 1987

Professional Appointments:

Rutgers University	Professor I (Chair Dept.)	2002 - Present
Rutgers University	Assist-Assoc Prof	1995 - 2002

Scholarly articles (limited to 10 of the most significant in the last 5 years):

- Yue, C, C. J. Miller, J. White, M. Richardson. 2000. Isolation and characterization of fungal inhibitors from *Epichloë festucae*. *J. Ag. Food Chem.* 48: 4687-4692.
- Moy, M., F. Belanger, R. Duncan, A. Freehof, C. Leary, W. Meyer, R. Sullivan, and J. F. White, Jr. 2000. Identification of epiphyllous mycelial nets on leaves of grasses infected by clavicipitaceous endophytes. *Symbiosis* 28:291-302.
- Sullivan R., G. Bills N. Hywel-Jones, and J. F. White, Jr. 2000. *Hyperdermium*: a new clavicipitacean genus for some tropical epibionts of dicotyledonous plants. *Mycologia* 92:908-918.
- Sullivan, R., M. Bergen, R. Patel, G. Bills, S. Alderman, J. Spatafora, and J. F. White, Jr. 2001. Features and phylogenetic status of an enigmatic clavicipitalean fungus *Neoclaviceps monostipa* gen. et sp. nov. *Mycologia* 93:90-99.
- Furman, L.A., N. Lalancette, and J.F. White, Jr., 2003. Temporal analysis of peach rusty spot epidemics. *Plant Disease* 87:366-374.
- 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: 241-257.
- Duncan, R., R. Sullivan, S. Alderman, J. Spatafora, and J. F. White, Jr. 2002. *Claviceps purpurea* var. *spartinae* var. nov.: adaptation to the aquatic environment. *Mycotaxon* 81:11-25.
- Moy, M., M. Li, R. Sullivan, J.F. White, and F. Belanger. 2001. Endophytic fungal β -1,6-glucanase expression in the infected host grass. *Plant Physiology* 130: 1298-1308.
- Sullivan, R. M.A. Holtman, G.J. Zylstra, J.F. White, Jr., and D. Kobayashi. 2003. Taxonomic positioning of two biological control agents for plant diseases as *Lysobacter enzymogenes* based on phylogenetic analysis of 16S rDNA, fatty acid composition and phenotypic characteristics. *J. Appl. Microbiol.* 94:1079-1086.

Alderman, C.A., R.R. Halse, and J.F. White, Jr. 2004. A reevaluation of the host and geographical distribution of *Claviceps* species in the United States. *Plant Disease* 88:63-81.

Books edited:

Bacon, C. W., and J. F. White, Jr. (editors). 1994. *Biotechnology of Acremonium endophytes of grasses*. CRC Press, Boca Raton, FL. 200 pages.

Bacon, C. W., and J. F. White, Jr. (editors). 2000. *Microbial Endophytes*. Marcel-Dekker, New York. 487 pages.

White, J.F., Jr. C. W. Bacon, J. Spatofora, N. Hywel-Jones (Editors). In press (2003). *The Clavicipitalean Fungi*. Marcel-Dekker, New York. 400 pages.

Collaborations (last five years and excluding Rutgers investigators):

Alderman, S.
Schardl, C.
Bacon, C.
Bills, G.

Major Funding (last five years, include names of co-PIs):

Period	Source	Project Title	Amount
2004-2009	NSF	Systematic Studies in Diaporthales (with A. Rossman and L Castlebury)	\$750K
2004-2009	NIH/NSF	ICBG Conservation/Pharmaceutical Res. (with Raskin, Zylstra, Kukor, Struwe...)	\$3.7M

Major Teaching Responsibility in Graduate or Undergraduate Courses (limit to 5 courses for last 5 years):

Title of Course	Course Number	Credits	Years Taught
Advanced Mycology	16:765:533	3 credits	2000, 2002, 2004
Mushrooms	11-015-257	1 credit	1995-2004
Fungi in the Environ.	11-770-402	3 credits	1995-2004

Graduate Students (last five years):

Balady, G.	Endophyte Impact on Mineral Nutrition	MS Degree	2002
Bischoff, J.	Clavicipitalean Fungal Systematics	Ph.D. Degree	2004

Duncan, R.	Claviceps Ecology	MS Degree	2002
Lewis, E.	Grass Parasitic Clavicipitaceae	Ph.D. Degree	2004
Moy, M.	Epichloë Physiology	Ph.D. Degree	2002

Postdoctoral Associates (last five years):

Reddy, P. 1995-1999
Sullivan, R. 1999-2003

Major Service Activities (List up to 5):

New Brunswick Faculty Council, Rutgers, Plant Pathology/Entomology Representative
(June 1997 – June 2000)

Curriculum Coordinator Plant Sciences and Agricultural Sciences Curricula, Rutgers
(Sept. 1998-present)

Cook College Planning Committee (1999 – 2002)

Chair, Cook College Teaching Effectiveness and Evaluation Committee, Rutgers (Sept.
1999 – present)

Co-chair, Ad Hoc NJAES and Extension Strategic Planning Committee, Rutgers (Sept.
2000)