

William E. Fry

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EDUCATION

Nebraska Wesleyan 1966 BA (Chemistry) (high distinction)
Cornell University 1970 Ph. D (Plant Pathology)

EXPERIENCE

Central Connecticut State College, Biology: Assist. Prof. (70-71)
Cornell University, Plant Pathology Department: Assistant Professor (1971), Associate Professor (1977), Chairman (1981-1995, 2011-2014), Professor (1984)
Senior Associate Dean, College of Agriculture and Life Sciences (2001 – Jan 2007)
Dean of the Cornell University Faculty (2008-2012)
Sabbatical Leaves:
1978/79 University of California, Davis
1989/90 Wageningen Agricultural University, the Netherlands
2007/08 Stellenbosch University, South Africa

AWARDS AND HONORS

Phi Kappa Phi (elected 1966)	Faculty-elected Trustee (1998-2002)
Cornell Fellow (1966-1967)	Cornell University Trustees
NSF Graduate Fellow (1967-1970)	Scientific Liaison Officer – International
Sigma XI (1970)	Potato Center, Peru (2000 – present)
Fulbright Grantee (1989-1990)	Honorary Membership – British Society of
American Phytopathological Society	Plant Pathology (2003)
Fellow (1990),	College of Agriculture “outstanding service”
President (1995/1996)	(2007)
Gamma Sigma Delta –	AAAS Fellow (2010)
Research Excellence Award – 1998	SUNY Chancellor’s award “service” 2012

TEACHING

Plant Disease Control, 3 credit hours, each Spring term (1972- 1978)
Plant Disease Epidemiology and Control, 3 credit hours, alternate Spring terms (1973-1979)
Plant Disease Epidemiology, 1 credit hour, annually to 1981.
Advanced Plant Pathology, 4 credit hours, Spring term (1980,1981, 1986,1988)
Plant Diseases and Disease Management, 4 credit hours, Spring term 1997- 2001.
Biology of Plant Pathogens (3 credit hours, with Keith Perry) Spring 2007
Biology and Management of Plant Disease, 4 credits, fall terms 2008-2010, and (2012)

RESEARCH TOPICS AND FUNDING

- Developmental biology of *Phytophthora infestans* and molecular genetics of its interaction with host plants;
- Integrated management of potato late blight; epidemiology of potato late blight;
- Population genetics and migrations of *P. infestans*.
- Research Funding: career > \$6,000,000; last five years: \$220,000

Refereed journal articles (total = 163), 2011-2013 :

154. Mayton, H., G. Rauscher, I. Simko and W. E. Fry (2011). "Evaluation of the RPi-ber late blight resistance gene for tuber resistance in the field and laboratory." Plant Breeding **130**(4): 464-468.
155. Goss, E. M., M. E. Cardenas, K. Myers, G. A. Forbes, W. E. Fry, S. Restrepo and N. J. Grunwald (2011). "The Plant Pathogen *Phytophthora andina* Emerged via Hybridization of an Unknown *Phytophthora* Species and the Irish Potato Famine Pathogen, *P. infestans*." PLoS ONE, **6**(9): e24543. doi:10.1371/journal.pone.0024543, Published September 16, 2011
156. Cai, G., K. Myers, W. E. Fry and B. I. Hillman (2012). "A member of the virus family Narnaviridae from the plant pathogenic oomycete *Phytophthora infestans*." Archives of Virology **157**: 165-169. (On line 5 October 2011. DOI 10.1007/s00705-011-1126-5)
157. Cardenas, M. J., J. Tabima, W. E. Fry, N. J. Grunwald, A. Bernal and S. Restrepo (2012) "Defining species boundaries in the genus *Phytophthora*: the case of *Phytophthora andina*; a response to "*Phytophthora andina* sp. nov., a newly identified heterothallic pathogen of solanaceous hosts in the Andean highlands (Oliva et al 2010). ." Plant Pathology. On line 4 DEC 2011, DOI: 10.1111/j.1365-3059.2011.02530.x
157. Hu, C.-H., F. G. Perez, R. Donahoo, A. McLeod, K. Myers, K. Ivors, G. Secor, P. D. Roberts, K. L. Deahl, W. E. Fry and J. B. Ristaino (2012). "Recent Genotypes of *Phytophthora infestans* in the Eastern United States Reveal Clonal Populations and Reappearance of Mefenoxam Sensitivity." Plant Disease **96**(9): 1323-1330.
158. Cai, G., S. Restrepo, K. Myers, A. P. Zuluaga, G. Danies, C. D. Smart and W. Fry (2013). "Gene profiling in partially resistant and susceptible near-isogenic tomatoes in response to late blight in the field". Molecular Plant Pathology **14** 171-184.
159. Pule, B. B., J. C. Meitz, A. H. Thompson, C. C. Linde, W. E. Fry, S. D. Langenhoven, K. L. Meyers, D. S. Kandolo, N. C. van Rij and A. McLeod (2013). "*Phytophthora infestans* populations in central, eastern and southern African countries consist of two major clonal lineages." Plant Pathology. Doi: 10.1111/j.1365-3059.2012.02608.x
160. Pallem, C., B. J. Nirmal Kumar, S. Madhura, S. P. Mohan Kumar, K. Myers, W. E. Fry, J. Squires and D. E. L. Cooke (2012). "Emergence of 13_A2 blue lineage of *Phytophthora infestans* was responsible for severe outbreaks of late blight on tomato in South-West India." Journal of Phytopathology **161**: 49-58.
161. Cai, G., J. F. Krychiw, K. Myers, W. E. Fry and B. I. Hillman (2013). "A new virus from the plant pathogenic oomycete *Phytophthora infestans* with an 8 kb dsRNA genome: the sixth member of a proposed new virus genus." Virology **435**(2): 341-349.
162. Zuluaga, A. P., J. C. Vega-Arreguín and W. E. Fry (2013). "Transcriptome profile of acibenzolar-S-methyl-induced genes in tomato suggests a complex polygenic effect on resistance to *Phytophthora infestans*." Physiological and Molecular Plant Pathology **81**: 97-106.
163. Fry, W. E., M. T. McGrath, A. Seaman, T. A. Zitter, A. McLeod, G. Danies, I. M. Small, K. Myers, K. Everts, A. J. Gevens, B. K. Gugino, S. B. Johnson, H. Judelson, J. Ristaino, P. Roberts, G. Secor, K. Seebold, K. Snover-Clift, A. Wyenandt, N. J. Grunwald and C. D. Smart (2012). "The 2009 Late Blight Pandemic in the Eastern United States – Causes and Results." Plant Disease **97**(3):296-306.

Books: 4; Book chapters: 31; Miscellaneous Technical articles: >30; abstracts >100