BIOGRAPHICAL SKETCH

NAME	POSITION TITLE
Anita C. Wright, Ph.D.	Associate Professor

EDUCATION/TRAINING

INSTITUTION AND LOCATION	DEGREE *(if applicable)*	YEAR(s)	FIELD OF STUDY
Florida State University, Tallahassee, FL	B.S.	1974	Experimental Psychology
University of North Carolina at Charlotte, Charlotte, NC	M.S.	1983	Biology
University of Maryland, Baltimore, MD	PhD	1997	Molecular Microbiology
University of Maryland Center for Marine Biotechonology, Baltimore, MD	Post Doc	1997-1999	Marine Microbiology

A. Positions and Honors.

Positions and Employment

1999-2005 Assistant Professor, Food Science and Human Nutrition Department, University of Florida, Gainesville, Florida.

2005- present Associate Professor, Food Science and Human Nutrition Department, University of Florida, Gainesville, Florida.

Other Experience and Professional Memberships

USDA: Ad hoc reviewer and Food Safety Panel Member 2004, 2005.

USFDA: Program reviewer 2006.

Journal Guest editor for Current Opinion in Biotechnology 2008-2009

Ad hoc reviewer; Appl. Enviro. Microbiol., Infect. Immun., J. Bacteriol; J. Clin. Invest., J. Clin. Microbiol; J. Infect. Dis; Mol. Microbiol; J. Food Protect.; FEMS Microbiol. Letters; Emerg. Infect. Dis.

Member: American Society for Microbiology (1980-2009), Steering committee for Florida Marine Biotechnology Summit (2004-2009), International Association for Food Protection (2006-2009), Board of Directors BioFlorida (2007-2008). Advisory Board UF Emerging Pathogens Institute (2006-2009)

Honors

National Science Foundation Undergraduate Fellowship 1981.

Best Poster Award Maryland Biotechnology Conference 1999

University of Florida First Award 2000

Nominated Outstanding Graduate Advisor Award 2006

Univerisity of Florida Innovation Award 2008

C. Research Support

Ongoing Research Support

1. Anita Wright (PI) 07/1/18-06/30/11 USDA-NRI CREES. "Post harvest treatment of Live Oysters and Investigation of Therapeutic Potential of Biological Controls." Role: PI

2. Steve Otwell (PI) 03/04-07/10. USDA-Special Research Grant: "Integration of PHT processes for raw oysters". Role Co-PI

3. Steve Otwell (PI) 8/05 -7/10. USDA-Special Research Grant: Oyster Product characterization. Role Co-PI.

4. Paul Gulig (PI) 6/08-5/09. UF Seed Grant: "*V. vulnificus* microarray". Role: Co-PI

5. Paul Gulig (PI) 3/08-6/08. Florida Sea Grant. "*V. vulnificus* genomic sequencing". Role: Co-PI

6. Anita Wright (PI) 10/08-9/09. UF Innovation Award. “Role of the iron-regulatory and antimicrobial peptide hepcidin in preventing and mitigating bacterial foodborne infections.” Role: PI

Pending.

1. Wright (PI) 10/09-9/12. USDA-NRI. “Improved post harvest processing validation and virulence assessment for pathogenic *Vibrio* species in seafood.” Role: PI
2. Morris (PI) 10/09-9/12. USDA-NRI. “Risk factors for potential pathogens and antimicrobial resistance genes in imported and domestic aquaculture products, and correlation with human isolates.” Role: Co-PI
3. Wright and Johnson (PI) 10/09-9/12. CDC. “Climate change and Pathogenic vibrios.” Role:Co-PI
4. Jones (PI) 10/09- 9/11. USDA-NRI “Effects of Antimicrobial Peptides on the Growth and Survival of *Vibrio spp*. and Their Potential Applications to Postharvest Treatment of Oysters.” Role: mentor
5. Wright (PI) 2/10-1/12. Florida Sea Grant “Implementation of *Vibrio* monitoring methods needed to sustain Florida coastal communities” Role: PI

C. Selected peer-reviewed publications (in chronological order from 40 total).

1. Wright, A. C., Simpson, L. M., and Oliver, J. D. 1981. The role of iron in the pathogenesis of *Vibrio vulnificus*. *Infect. Immun*. 34: 503-507.
2. Wright, A. C., Morris, J. G., Jr., Maneval, D. R., Jr., Richardson, K., and Kaper, J. B. 1985. Cloning of the cytoxin/hemolysin gene of *Vibrio vulnificus. Infect. Immun.* 50: 922-924.
3. Wright, A. C., Simpson, L. M., Richardson, K., Maneval, D. R., Jr., Oliver, J. D., and Morris, J. G., Jr. 1986. Siderophore production and outer membrane proteins of selected *Vibrio vulnificus* strains under conditions of iron limitation. *FEMS Microbiol. Lett.* 35: 255-260.
4. Morris, J. G., Jr., Wright, A. C., Roberts, D. M., Wood, P. K., Simpson, L. M., and Oliver, J. D. 1987. Identification of environmental *Vibrio vulnificus* isolates with a DNA probe for the cytotoxin-hemolysin gene. *Appl. Environ. Microbiol.* 53: 193-195.
5. Wright, A. C., Simpson, L. M., Oliver, J. D., and Morris, J. G., Jr. 1990. Phenotypic evaluation of acapsular transposon mutants of *Vibrio vulnificus. Infect. Immun.* 58: 1769-1773.
6. Yamamoto, K., Wright, A. C., Kaper, J. B., Morris, J. G., Jr. 1990. The cytolysin gene of *Vibrio vulnificus*: Sequence and relationship to *Vibrio cholerae* El Tor hemolysin. *Infect. Immun*. 58:2706-2709.
7. Oliver, J. D., Guthrie, K., Preyer, J., Wright, A. C., Simpson, L. M., Siebeling, R., and Morris, J. G., Jr. 1991. Use of colistin-polymyxin G-cellulose agar for isolation of *Vibrio vulnificus* from the environment. *Appl. Environ. Microbiol*. 58:737-739.
8. Wright, A. C. and Morris, J. G., Jr. 1991. The extracellular cytolysin of *Vibrio vulnificus*: inactivation and relationship to virulence in mice. *Infect. Immun*. 59:192-197.
9. Brennt, C. E., Wright, A. C., Dutta, S. K., and Morris, J. G., Jr. 1991. Growth of *Vibrio vulnificus* in serum from alcoholics: association with high transferrin iron saturation. *J. Infect. Dis.* 164:1030-1032.
10. Miliotis, M. D., Morris, J. G., Jr., Cianciosi, S., Wright, A. C., Wood, P. K., Robbins-Browne, R. M. 1990. Identification of a conjunctivitis-associated gene locus from the virulence plasmid of *Yersinia enterocolitica*. *Infect. Immun*. 58:2470-2477.
11. Wright, A. C., Ahmed, H., Gauthier, J. D., Silva, A. M., Vasta, G. R. 2002. cDNA cloning of two iron superoxide dismutases from the oyster parasite, *Perkinsus marinus*. *Molecular and Biochemical Parasitol.* 123:73-77.
12. Wright, A. C., Powell, J. L., Kaper, J. B., Morris, J. G., Jr. 2001. Identification of a group 1-like capsular polysaccharide operon for *Vibrio vulnificus*. *Infection and Immunity.* 69:6893-6901.
13. Schott, E. J., Robledo, J. A. F., Wright, A. C., Silva, A. M., and Vasta, G. R. 2003. Gene organization and homology modeling of two iron superoxide dismutases of the early branching protist *Perkinsus marinus. Gene* 309:1-9.
14. Campbell*, M. A., Wright, A. C. 2003. Real-time PCR detection of *Vibrio vulnificus* in oysters. *Appl. Environ. Microbiol.* 69: 7137 –7144.
15. Harwood V. J., Gandhi, J. P., and Wright, A. C. 2004. Methods for Isolation and Confirmation of *Vibrio vulnificus* from Oysters and Environmental Sources: A Review. *J. Microbiol. Methods*. 59: 301-16

16. Joseph*, L. A. and Wright, A. C. 2004. *Vibrio vulnificus* capsular polysaccharide inhibits biofilm formation. *J. Bacteriol.* 186: 889-893.
17. Quevedo, A. Simth, J., Rodrick, G. E., and Wright, A. C. 2005. Ice immersion as a post-harvest treatment of oysters form reduction of *Vibrio vulnificus. J. Food Prot.* 68(6):1192-7.
18. Chatazidaki-Livanis, M., M. Hubbard, K. Gordon, V. J. Harwood, A. C. Wright. 2006. Genetic variation in clinical and environmental strains of *Vibrio vulnificus.* Appl. Environ. Microbiol. 72 : 6136-6141.
19. Chatzidaki-Livanis, M., M., M. K. Jones, and A. C.Wright. 2006. Genetic variation in the *V. vulnificus* CPS operon. *J. Bacteriol.* 188:1987-98.
20. Wright, A.C., V. Garrido, G. Debuex, M. Farrell-Evans, A. A Mudbidri, and W. S. Otwell. 2007. Evaluation of Post-Harvest Processed Oysters using PCR-based Most Probable Number for *Vibrio vulnificus.* Appl. Environ. Microbiol. 73 :7477-7481.
21. McCoy, A., S. M. Baker, and A. C. Wright. 2007. Investigation of *Perkinsus* spp. in aquacultured hard clams (*Mercenaria mercenaria*) from the Florida gulf coast. J. Shellfish. Res.26:1029-1033.
22. Teplitski, M., A C. Wright, and G. Lorca. 2009. Biological approaches for controlling shellfish-associatedpathogens. Curr. Opin. Biotech. (in press).
23. Wright, Anita C., Michelle Danyluk, and Steve Otwell. 2009 Pathogens in raw foods: what the salad bar can learn from the raw bar. Curr. Opin. Biotech. (in press).
24. Srivastava, M., M. S. Tucker, P. A. Gulig, and A. C. Wright. 2009. Phase variation, capsular polysaccharide, pilin, and flagella contribute to colonization of the Eastern oyster (*Crassostrea virginica*) by *Vibrio vulnificus*. Environmental Microbiology. (in press)

BOOK CHAPTERS

1. A. C. Wright and K. Schenider. *Pathogenic Vibrios.* In *Food Microbiology.* Vejay (eds.) ASM Press (in press).
2. Campbell*, M. and Wright, A. C. 2003. Rapid Detection of *Vibio vulnificus* by real-time PCR. In *Molluscan Shellfish Safety.* A. Villalba et al., (eds.). UNESCO.
3. Morris, J. Glenn, **Wright, A. C.** 2003. *Vibrio vulnificus.* In *Encyclopedia of Food Science and Human Nutrition Editor*: Bratt, Carl et al. (eds.), Acedemic Press, London, U.K.