

BIOGRAPHICAL SKETCH

NAME Philip T. Amuso, PhD		POSITION TITLE Associate Bureau Chief, Research Director and Laboratory Director Florida Dept. of Health, Bureau of Laboratories, Tampa, FL	
eRA COMMONS USER NAME			
EDUCATION/TRAINING			
INSTITUTION AND LOCATION	DEGREE (if applicable)	YEAR(s)	FIELD OF STUDY
University of South Florida, Tampa, FL	BA		Biology
University of South Florida, Tampa, Florida	MS		Microbiology
University of South Florida (USF), Tampa, Florida	PhD		Tropical Public Health and Communicable Disease

A. Positions and Honors**Positions and Employment**

1974-1975	Microbiologist, Centro Asturiano Hospital, Tampa, FL
1975-1979	Biological Scientist Supervisor, Florida Department of Health, Epidemiology Research Center, Tampa, FL
1981	Management Fellow, Florida Department of Health and Rehabilitative Services, Tallahassee, FL
1979-1981	Florida Dept. of Health, Bureau of Laboratories, Tampa, FL
1982-2001	Biological Administrator
2000 - present	Laboratory Director and Co-Principal Investigator, USF Center for Biological Defense, Tampa, FL
2001 – present	Assistant Professor, College of Medicine, Department of Internal Medicine, Division of Infectious Diseases, University of South Florida, Tampa, FL
2001 – 2007	Assistant Bureau Chief, Research Director and Laboratory Director Florida Dept. of Health, Bureau of Laboratories, Tampa, FL
2007 – present	Associate Bureau Chief, Research Director and Laboratory Director Florida Dept. of Health, Bureau of Laboratories, Tampa, FL

Other Experience and Professional Memberships

1988-1991	V.P. and Director, Greater Tampa Sertoma Club
1991-1992	President, Greater Tampa Sertoma Club
2001-2002	President, Greater Tampa Sertoma Club
2002-2003	Member, Florida Public Health Foundation Board
2005	Member, Delta Omega Public Health Society
1975 – present	Member, Phi Kappa Phi National Honor Society
1978 – present	Member, American Society for Microbiology (ASM)
1982 – present	Member, Florida Public Health Association
1999 – present	Member, (National) Association of Public Health Laboratories (APHL)
2000 – present	Board Certified High Complexity Laboratory Director (American Board of Bioanalysis)
2000 – present	Member, Infectious Diseases Society of American (IDSA)
2000 – present	Member, American Association of Public Health Laboratories (APHL)
2001 – present	Member, Dean's Advisory Committee, Univ. of S. Florida College of Public Health
2001 – present	Board Certified Laboratory Director (American Board of Bioanalysis)
2001 – present	Member, American Association of Bioanalysts (AAB)
2001 – present	Licensed Clinical Laboratory Director, State of Florida

2002 – present	V.P. and Director, Greater Tampa Sertoma Club
2003 – present	Florida Infectious Disease Society
2006 – present	Member, National Center for Public Health Laboratory Leadership (NCPHLL) Advisory Board

Awards and Honors

1972 and 1973	Selby Foundation Scholar
1978	Homer D. Venters Award for Outstanding and Exemplary Service in the Field of Public Health, Florida Public Health Association
1995	Gary Saunders Memorial Award for Outstanding Community Service, Florida Region of Sertoma International
2002	Distinguished Service in Infectious Disease Community Award, University of South Florida Division of Infectious Diseases, Tampa, FL
2005	Gold Standard for Public Health Laboratory Excellence Award, Association of Public Health Laboratories

B. Selected Peer-reviewed Publications

- Wellings FM, **Amuso PT** et al. *Naegleria* and Water Sports. *Lancet* 1977; i: 199-200.
- Wellings FM, **Amuso PT**. Isolation and Identification of Pathogenic *Naegleria* from Florida Lakes. *Applied and Environmental Microbiology* 1977; 34: 661-667.
- Wellings FM, **Amuso PT**, et al. Pathogenic *Naegleria*: Distribution in Nature. *US Environmental Protection Agency* 1979; 600(1): 79-018.
- Doctoral Dissertation: Feasibility Study of a Multiplex Polymerase Chain Reaction Assay for Detection of Herpes Simplex virus, *Haemophilus ducreyi*, and *Treponema pallidum* in a High Risk Population. 2000.
- Heller L, **Amuso P**, Cattani J, et al. Comparison of DNA isolation methods from food samples for detection of shiga toxin producing *E. coli* by real time PCR. *Applied and Environmental Microbiology* 2003; 69: 1844-1846.
- Luna V, King D, Davis C, **Amuso, P**, et al. A novel sample preparation method for the safe and rapid detection of *Bacillus anthracis* spores in environmental powders and nasal swabs. *Journal of Clinical Microbiology* 2003; 41: 1252-1255.
- King D, **Amuso P**, et al. Performance Assessment of Three Commercial Assays for Direct Detection of *Bacillus anthracis* Spores. *J of Clin Microbiology* 2003; 41: 3454-3455.
- Davis C, Heller L, **Amuso P**. et al. Real-Time PCR Detection of the Thermostable Direct Hemolysin and Thermolabile Hemolysin Genes in a *Vibrio parahaemolyticus* Cultured from Mussels and Mussel Homogenate Associated with a Foodborne Outbreak. *Journal of Food Protection* 2004; 67: 1005-1008.
- Luna V, Peak K, Veguilla W, Reeves F, Larson L, Cannons A, **Amuso P** and Cattani J. Use of Two Selective Media and Broth Motility Test Can Aid in Identification of Exclusion of *Bacillus anthracis*. *Journal of Clinical Microbiology* 2005; 43:4336-4341.
- Luna V, Peak K, Veguilla W, Cannons A, **Amuso P** and Cattani J. Community-Associated Methicillin-Resistant *Staphylococcus aureus* Epidemic Clone USA300 Demonstrated in Isolates from Florida and Washington. *Journal of Clinical Microbiology* 2006; 44:225-226.
- Roberts J, Cannons A, **Amuso P** and Cattani J. Virtual Digest of Secondary Enzymes for Use in Pulsed-Field Gel Electrophoresis of *S. aureus*. *Journal of Microbiological Methods* 2006; 66(2):362-368.
- Tatavarthy A, Peak KK, Veguilla W, Reeves F, Cannons A, **Amuso P**, Cattani J. Comparison of Antibiotic Susceptibility Profiles and Molecular Typing Patterns of Clinical and Environmental *Salmonella enterica* Sertype Newport. *Journal of Food Protection* 2006; 69: 749-756.
- Roberts J, Peak K, Veguilla W, Cannons A, **Amuso P** and Cattani J. Community-Associated Methicillin-Resistant *Staphylococcus aureus* Epidemic Clone USA300 Demonstrated in Isolates from Florida and Washington. *Journal of Clinical Microbiology* 2006; 44: 225-226.

14. Tatavarthy, A, Peak, K.K, Veguilla, W, Reeves, F, Cannons, A, **Amuso, P**, Cattani, J. Comparison of Antibiotic Susceptibility Profiles and Molecular Typing Patterns of Clinical and Environmental *Salmonella enterica* Sertype Newport. *Journal of Food Protection* 2006; 69: 749-756.
15. Roberts, J, Cannons, A, **Amuso, P**, and Cattani, J. Virtual Digest of Secondary Enzymes for Use in Pulsed-Field Gel Electrophoresis of *S. aureus*. *Journal of Microbiological Methods* 2006; 66(2): 362–368.
16. Luna VA, King DS, Peak, KK, Reeves F, Heberlein-Larson L, Veguilla W, Heller L, Duncan KE, Cannons AC, **Amuso PA**, Cattani J. *Bacillus anthracis* Virulent Plasmid pX02 Genes Found in Large Plasmids of Two Other *Bacillus* Species. *Journal of Clinical Microbiology* July 2006; 44(7): 2367-2377.
17. Luna V, King D, Gullledge J, Cannons A, **Amuso P** and Cattani J. Susceptibility of *Bacillus anthracis*, *Bacillus cereus*, *Bacillus mycoides*, *Bacillus pseudomycooides* and *Bacillus thuringiensis* to 24 Antimicrobials Using Sensitre® Automated Microbroth Dilution and Etest® Agar Gradient Diffusion Methods. *Journal of Antimicrobial Chemotherapy* 2007; 60: 555-567.
18. Peak KK, Duncan KE, Veguilla W, Luna VA, King DS, Heller L, Heberlein-Larson L, Reeves F, Cannons AC, **Amuso P** and Cattani J. *Bacillus acidiceler* sp.nov., isolated from a forensic specimen, containing *Bacillus anthracis* pX02 genes. *International Journal of Systematic and Evolutionary Microbiology* Sept 2007; 57(7): 2031-2036.
19. Davis C, Winfield D, Peak K, Veguilla W, **Amuso P**, Cannons A and Cattani J. Molecular Characterization of *Vibrio parahaemolyticus* Strains Associated with Foodborne Illness in Florida. *Journal of Food Protection* 2007; 70:2396-2401.
20. Luna V, Cannons A, **Amuso P** and Cattani J. The Inactivation and Removal of Airborne *Bacillus atrophaeus* Endospores from Air Circulation Systems Using UVC and HEPA Filters. *Journal of Applied Microbiology* 2008; 104: 489-498.
21. Carisa Davis. Pandemic *Vibrio parahaemolyticus*: Defining strains using molecular typing and a growth advantage at lower temperatures. Ph.D. Dissertation, University of South Florida. 2008 (Committee member).
22. Veguilla W, Peak K, Roberts J, Luna V, Davis C, Cannons A, **Amuso P**, Cattani J. Two-year study evaluating the potential loss of Methicillin resistance in a Methicillin-resistant *Staphylococcus aureus* culture collection. *Journal of Clinical Microbiology* 2008; 46:3494-3497.
23. Tatavarthy A, Peak K, Veguilla W, Cutting T, Harwood V, Roberts J, **Amuso P**, Cattani J and Cannons A. An accelerated Method for isolation of *Salmonella enteric* Serotype Typhimurium from Artificially Contaminated Foods, Using a Short Preenrichment, Immunomagnetic Separation, and Xylose-Lysine-Desoxycholate Agar (6IX Method). *Journal of Food Protection* 2009; 72:583-590.

C. Research Support

Research Support

RDECOM (DAAD13-01C-0043) U.S. Dept. of Defense Enhancement of Public Health Preparedness against Bioterrorism: Strategic Approaches to Rapid Surveillance, Detection, and Protection against Potential Biological Pathogens.	Role: Co-PI	10/31/09-10/30/10
RDECOM (DAAD13-01C-0043) U.S. Dept. of Defense Enhancement of Public Health Preparedness against Bioterrorism: Strategic Approaches to Rapid Surveillance, Detection, and Protection against Potential Biological Pathogens.	Role: Co-PI	10/31/08-10/30/09
RDECOM (DAAD13-01C-0043) U.S. Dept. of Defense Enhancement of Public Health Preparedness against Bioterrorism: Strategic Approaches to Rapid Surveillance, Detection, and Protection against Potential Biological Pathogens.	Role: Co-PI	09/01/07-10/30/08

Principal Investigator/Program Director (Last, First, Middle):

Philip Amuso, PhD

(Award # 0600000435)

Role: Co-PI

10/01/08 - 09/30/09

Fractal Systems, Inc.

Direct Toxin-Specific Biowarfare Detector

RDECOM (DAAD13-01C-0043)

Role: Co-PI

09/01/06 – 10/30/07

U.S. Dept. of Defense

Enhancement of Public Health Preparedness against Bioterrorism: Strategic Approaches to Rapid Surveillance, Detection, and Protection against Potential Biological Pathogens

(Award # 0600000435)

Role: Co-PI

10/01/05 - 09/30/07

Fractal Systems, Inc.

Direct Toxin-Specific Biowarfare Detector

RDECOM (DAAD13-01C-0043)

Role: Co-PI

09/01/05 – 10/30/06

U.S. Dept. of Defense

Enhancement of Public Health Preparedness against Bioterrorism: Strategic Approaches to Rapid Surveillance, Detection, and Protection against Potential Biological Pathogens

RDECOM (DAAD13-01C-0043)

Role: Co-PI

09/01/04 – 10/30/05

U.S. Dept. of Defense

Enhancement of Public Health Preparedness against Bioterrorism: Strategic Approaches to Rapid Surveillance, Detection, and Protection against Potential Biological Pathogens

RDECOM (DAAD13-01C-0043)

Role: Co-PI

09/01/03 – 10/30/04

U.S. Dept. of Defense

Enhancement of Public Health Preparedness against Bioterrorism: Strategic Approaches to Rapid Surveillance, Detection, and Protection against Potential Biological Pathogens

(MDA972-03-C0092)

Role: Co-PI

8/31/03 – 12/31/03

Titan Corporation

Testing the Effectiveness of the Binary Ionization Technology

Enhancement of Public Health Preparedness for Dealing with Bioterrorism