FRANK W. ABERNATHY, PH.D.

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Kettering, OH 45420

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937.750.0386

ACTING EXPERIENCE

- No professional acting experience but can put on a show as a musician

MUSICAL EXPERIENCE

- Piano and keyboard
- Singing
- Trumpet
- Reading, writing, fakebook

STYLES

- Jazz/blues/boogie
- Contemporary
- Free styles
- All styles

INTERNET

SAMPLES OF VENUES

- The Faena Hotel, The Living Room Restaurant, piano, (Miami Beach, FL)
- The Breakers Resort, piano, (Palm Beach, FL)
- Crowne Plaza Restaurant, piano (Dayton, OH)
- Springdale 18 Cinema De Lux, piano (Springdale, OH)
- The Greene 14 Cinema De Lux, piano (Beavercreek, OH)
- Friendship Village, piano (Dayton, OH)
- Kingston of Miamisburg, piano (Miamisburg, OH)
- Lincoln Park Manor, piano (Kettering, OH)
- SOIN Medical Center, piano (Beavercreek, OH)
- Canal Street Tavern Restaurant/Bar, piano (Dayton, OH)
- Wedding, piano (Sidney, KY)
- Restaurant/Bar, piano (Santa Fe, NM)
- Restaurant/Bar, piano (Orlando, FL)
- School Bands, trumpet (Jonesboro, AR)
- Elks Lodge Restaurant/Bar, piano (Jonesboro, AR)

FORMER RESEARCH CAREER

PROFILE

Biological Researcher who excels in performing research at the molecular, cellular, and developmental levels. Specific interest in DNA superstructure.

EXPERIENCE BY SPECIALIZATION

Cell Biologist
Twelve years experience including culturing and chromosomal analyses of human fibroblast and amniotic cells; chromium 51 depletion analysis in freshly isolated mouse splenocytes in response to extracellular insult; subsequent analysis of DNA superstructure of a number of cell types using novel techniques involving autoradiography, liquid scintillation, agarose gel electrophoresis, hydroxyapatite batch elution; experience with rodent surgery involving removal of type II lung cells for measuring oxidant stress damage via chromium 51 depletion and changes in intracellular ATP levels and related nucleotides using high performance liquid chromatography (see Abernathy and Pacht, 1995; Pacht and Abernathy, 1995).

Microbiologist & Teaching
Three years experience as a microbiologist including developing and supervising lecture/ laboratory microbiology courses and setting up and supervising a private food and water testing microbiological laboratory. Community college experience developing biology and human physiology and anatomy courses with full laboratories on two sister campuses. Graduate teaching associate experience at Ohio State University teaching biology courses. Adjunct faculty experience at Wright State University teaching microbiology and biology senior seminar.

Cardiovascular Toxicologist
Two years experience with in vivo toxicology monitoring cardiovascular response of rats with tailcuff sphygmomanometry and radiotelemetric implants (see Abernathy et al, 1995), including a 3-week monitoring of rats exposed to the Army propellants, modular artillery charge system or ammonium dinitramide.

EDUCATION

- **Ph.D.**, Zoology, Studies in Eukaryotic DNA Superstructure, The Ohio State University, Columbus, OH
- Specialist Degree in Community College Teaching, Arkansas State University, Jonesboro, AR
- **MA**, Bacteriology, University of Arkansas, Fayetteville, AR
- **MS**, Zoology, University of Arkansas, Fayetteville, AR
- **BS**, Zoology, Minor Chemistry, Arkansas State University, Jonesboro, AR

SCIENTIFIC PAPERS

Paliy O, Kenche H, Abernathy F, Michail S. 2009. High-throughput quantitative analysis of the human intestinal microbiota with a phylogenetic microarray. Appl Environ Microbiol. 75:3572-9.

Michail, S., Mezoff, E., and F. Abernathy 2005. Roles of selectins in the intestinal epithelial migration of eosinophils. Pediatric Research 58:644-647.

Michail, S. and F. Abernathy 2004. A new model for studying eosinophil migration across cultured intestinal epithelial monolayers. J. Pediatric Gastroenterology and Nutrition 39:56-63.

Michail, S., Halm, D., Abernathy, F. 2003. Enteropathogenic Escherichia coli stimulate neutrophil migration across a cultured intestinal epithelium without altering transepithelial conductance. J Pediatric Gastroenterology and Nutrition 36(2).

Michail, S. and F. Abernathy 2003. Lactobacillus plantarum inhibits the intestinal transepithelial migration of neutrophils induced by enteropathogenic Escherichia coli. J Pediatric Gastroenterology and Nutrition 36 (3).

Michail, S. and F. Abernathy 2002. Lactobacillus plantarum reduces the in vitro secretory response of intestinal epithelial cells to enteropathogenic Escherichia coli infection. J. Pediatric Gastroenterology and Nutrition. 35:350-355.

Michail, S. and F. Abernathy 2002. Transepithelial migration of HL-60 differentiated eosinophils is induced by enteropathogenic Escherichia coli infection. JPGN 35(3):423.

Michail, S., D. Halm, D., Abernathy, F. 2002. Enteropathogenic Escherichia coli stimulate neutrophil migration across a cultured intestinal epithelium without altering transepithelial conductance. JPGN 35(3):458.

Michail, S. and F. Abernathy 2002. A novel model for studying transepithelial migration of eosinophils across a cultured intestinal epithelium. Gastroenterology 122(4) A151.

Abernathy, F. W. and C. D. Flemming. 1996. Measurement of cardiovascular response of male sprague dawley rats to modular artillery charge system using radiotelemetric implants. The Toxicologist 30:337.

Abernathy, F., Flemming, C., and W. Sonntag. 1995. Measurement of cardiovascular response in male-sprague-dawley rats using radiotelemetric implants and tailcuff sphygmomanometry: A comparative study. Toxicol. Meth., 5: 89-98.

Abernathy, F. and E. Pacht. 1995. Alteration of ATP and other cellular nucleotides following sublethal oxidant injury to the rat type II alveolar epithelial cells. Am. J. Med. Sci. 309:140-145.

Pacht, E. and F. Abernathy. 1995. Prevention of intracellular adenosine triphosphate depletion after sublethal oxidant injury to rat type II alveolar epithelial cells with exogenous glutathione and n-acetylcysteine. Am. J. Med. Sci. 310:133-137.

Abernathy, F. W. 1988. Studies in eukaryotic DNA superstructure, Ohio State University, Columbus, OH.

Blog: http://evolution4.wordpress.com
BitChute Channel: When it Comes to Chromosomes, You Have Been Misled.

PATENTS

Abernathy, F. W. 1996. Method and an Apparatus for the Removal of Fibrous Material From a Rotating Shaft, patent # 5,482,562.

Abernathy, F. W. 1995. Fat Removal from Cooked Ground Meat Patties, patent # 5,397,585.

Abernathy, F. W. 1990. Dispensing Method for a Variable Volume Disposable Carbonated Beverage Container, patent # 4,953,750.

Abernathy, F. W. 1982. Solar Energy Conversion Plant, patent # 4,354,117.

Abernathy, F. W. 1977. Garbage Recycling Apparatus, patent # 4,030,670.