

00Principal Investigator/Program Director (Last, First, Middle):

BIOGRAPHICAL SKETCH

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NAME	
Donald G. Ahearn	
ERA COMMONS USER NAME	

EDUCATION/TRAINING (*Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.*)

INSTITUTION AND LOCATION	DEGREE (if applicable)	YEAR(s)	FIELD OF STUDY
University of Miami School of Medicine	1964	Ph.D.	Microbiology
University of Miami	1959	M.S.	Microbiology (Marine)
Mount Union University Alliance, Ohio	1957	B.S.	Biology (Mag. Cum Laude)

EXPERIENCE

2000-Present Consultant Microbiologist; Various Industries, FDA: Ophthalmic Device Advisory Committee
2002-Present Research Professor of Microbiology (Emeritus), Georgia State University, Atlanta, Georgia.
1984 - 2000 Research Professor of Microbiology, Georgia State University, Atlanta, Georgia.
1980 - 1984 Professor of Microbiology and Assistant Vice President for Research, Georgia State University.
1972 - Present Professor of Microbiology, Department of Biology, Georgia State University, Atlanta, Georgia.
1970 - 1972 Dean, Graduate Division, and Associate Dean, Arts & Sciences, Georgia State University.
1967 - 1990 Public Service Consultant Mycologist, Mycology Division, National Center for Disease Control, Atlanta, Georgia.
1991 - 1998 Visiting Scientist, Center for Disease Control, Atlanta, Georgia.

AWARDS AND HONORS

1979 - 1980 Fellow & Member: Board of Governors American Academy of Microbiology.
1981 - 1983 President, Past President and Board Member Society for Industrial Microbiology.
1982 P. R. Edwards Award: Southeastern Branch, American Society for Microbiology.
1987 Fellow Society for Industrial Microbiology.
1987 Recipient, Mount Union College Distinguished Service Award.
1976, 1991 Alumni Distinguished Professor Award, Georgia State University.
1991 Georgia State University Alumni Association Sparks Award.
1997 J.C. Feeley Award for contributions in environmental ecology and occupational health. S.E., Branch ASM.
1999 Porter Award for contributions in applied & industrial microbiology, SIM
2011 Waksman Foundation for Microbiology Education Award: advances in research & training. SIM

GRANT AND CONTRACT SUPPORT (Representative Industries)

"Research in Microbiology," GSU Foundation and GSU Research Foundation. June 1989 to 2005. (\$200,000 for 2005). (Various industries).

"Adherence of microorganisms to biomaterials," C.R. Bard \$110,000 1999 - 2000

"Contamination of automobile air conditioning systems," Airsept Corp. & GA Res. Alliance \$90,000, 1997 - 2000.

"Microbiology and contact lens systems" TRI & Georgia Res. Alliance, \$80,000, 1999 - 2000; "Oxidative mechanisms and heavy metals", NIH, \$250,000, 2000-2004.

"Efficacy of contact lens solutions for fungi" Protective Applications and Industry, \$200,000, 2004-2010.

PUBLICATIONS (Total 200+)

- Gorlin, A.I., M.M. Gabriel, L.A. Wilson and D.G. Ahearn. 1996. Effect of adhered bacteria on the association of *Acanthamoeba* with hydrogel lenses. *Arch. Ophthalmol.* 114:576-580.
- Tirado-Angel, J., M.M. Gabriel, L.A. Wilson, and D.G. Ahearn. 1996. Effects of polyhexamethylene biguanide and chlorhexidine on four species of *Acanthamoeba* in vitro. *Curr. Eye Res.* 15:225-228.
- Gorlin, A.I., Gabriel, M.M., Wilson, L.A., and D.G. Ahearn. 1996. Binding of *Acanthamoeba* to hydrogel contact lenses. *Curr. Eye Res.* 15:151-155.
- Gabriel, M.M., Schultz, C.L., Wilson, L.A., and D.G. Ahearn. 1996. Effect of *Staphylococcus epidermidis* on hydrogel contact lens retention on the rabbit Eye. *Curr. Microbiol.* 32:176-178.
- Chen, Z-H, Butler, W.R., Baumstark, B.R. and D.G. Ahearn, 1996. Identification and differentiation of *Mycobacterium avium* and *M. intracellulare* by PCR. *J. Clin. Microbiol.* 34:1267-1269.
- Gabriel, M., M. Mayo, L. May, R.B. Simmons and D.G. Ahearn, 1996. In vitro evaluation of the efficacy of a silver-coated catheter. *Curr. Microbiol.* 33:1-3.
- Ahearn, D.G., S.A. Crow, R.B. Simmons, D.L. Price, J.A. Noble, S.K. Mishra, and D.L. Pierson. 1996. Fungal colonization of fiberglass insulation in the air distribution system of a multi-story office building: possible relationship to a sick building syndrome. *J. Ind., Microbiol.* 16:280-285.
- Ahearn, D.G. and M. Gabriel. 1997. Contact lenses, disinfectants and *Acanthamoeba* keratitis. In (S.L. Neidelman and A. Laskin, eds.) *Adv. Appl. Microbiol.* 43:35-56. Academic Press, London.
- Wang, X. and D.G. Ahearn. 1997. Effect of bacteria on survival and growth of *Acanthamoeba castellanii*. *Curr. Microbiol.* 34:212-215.
- Crow, S.A. and D.G. Ahearn. 1997. Fungal colonization of solid surfaces and the sick building syndrome. *In: Biotechnol. Internat.* (Connor, T.H. and C.F. Fox, eds.). Univ. Med. Press, San Francisco, pp216-220.
- Simmons, R.B., D.L. Price, J.A. Noble, S.A. Crow and D.G. Ahearn. 1997. Fungal colonization of air filters from hospitals. *Am. Ind. Hyg. Assoc. J.* 58:900-904.
- Simmons, R.B., J.A. Noble, L. Rose, D.L. Price, S.A. Crow, and D.G. Ahearn. 1997. Fungal colonization of automobile air conditioning systems. *J. Ind. Microbiol. Biotechnol.* 19:150-153.
- Ahearn, D.G., S.A. Crow, R.B. Simmons, D.L. Price, S.K. Mishra and D.L. Pierson. 1997. Fungal colonization of air filters and insulation in a multi-story office building: production of organic volatiles. *Curr. Microbiol.* 35:305-308.
- Noble, J.A., S.A. Crow, D.G. Ahearn, and F.A. Kuhn. 1997. Allergic fungal sinusitis in the southeastern USA: Involvement of a new agent, *Epicoccum nigrum* Ehrenb. Ex Schlecht. 1824. *J. Med. Vet. Mycolog.* 35:405-409.
- Borazjani, R., T.J. Lott, and D.G. Ahearn. 1998. Comparison of 58S and ITS2 rDNA RFLP patterns among isolates of *Acremonium obclavatum*, *A. kiliense* and *A. strictum* from diverse sources. *Curr. Microbiol.* 36:70-74.
- Ahearn, D.G. 1998. Yeasts pathogenic for humans. *In: The Yeasts* (J.W. Fell and C. Kurtzman, eds.) Elsevier Science B.V. London, pp 9-12.
- Ahearn, D.G., J. Sugiyama and R.B. Simmons. 1998. *Malassezia* Baillon. *In: The yeasts* (J.W. Fell and C. Kurtzman, eds.). Elsevier Science B.V. London, pp 782-784.
- Ahearn, D.G., J. Sugiyama and R.B. Simmons. 1998. 70. *Saitoella Goto*, Sugiyama, Hamamoto & Komagata. *In: The yeasts* (J.W. Fell and C. Kurtzman, eds.). Elsevier Science B.V. London, pp 600-601.
- Gabriel, M., D.G. Ahearn, K.Y. Chan and A.S. Patel. 1998. *In-vitro* adherence of *Pseudomonas aeruginosa* to four intraocular lenses. *J. Cataract. Refract. Surg.* 24:124-129.
- Ren, P., D.G. Ahearn and S.A. Crow. 1998. Mycotoxins of *Alternaria alternata* produced on ceiling tiles. *J. Ind. Microbiol. Biotechnol.* 20:53-54.
- Price, D.L. and D.G. Ahearn. 1999. Sanitation of wallboard colonized with *Stachybotrys chartarum*. *Curr. Microbiol.* 39:21-26.
- Simmons, R.B., L.J. Rose, S.A. Crow and D.G. Ahearn. 1999. The occurrence and persistence of mixed biofilms in automobile air conditioning systems. *Curr. Microbiol.* 39:141-145.
- Stone, J.H., M.M. Gabriel and D.G. Ahearn. 1999. Adherence of *Pseudomonas aeruginosa* to inanimate polymers including biomaterials. *J. Ind. Microbiol. Biotechnol.* 23:713-717.

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- Borazjani, R.N., May, L.L., Nobel, J.A., Avery, S.V. and Donald G. Ahearn. 2000. Flow cytometry for determination of the efficacy of contact lens disinfecting solutions against *Acanthamoeba* spp. *Appl. Environ. Microbiol.* 66:1057-1061.
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- Ahearn, D.G., Grace, D.T., Jennings, M.J. Borazjani, R.N., Boles, K.J., Rose, L.J., Simmons, R.B. and E.N. Ahanotu. 2000. Effects of hydrogel/silver coatings on *in vitro* adhesion to catheters of bacteria associated with urinary tract infections. *Curr. Microbiol.* 41:120-125.
- Ahearn, D.G. and M.M. Gabriel. 2001. Disinfection of contact lenses. In (S.S. Block, ed.) Disinfection, Sterilization and Preservation. Lippincott Williams & Wilkins, Philadelphia pp. 1105-1114.
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- Price, D.L., Simmons, R.B., Crow, S.A. Jr., and D.G. Ahearn. 2005. Mold colonization during use of preservative-treated and untreated air filters, including HEPA filters from hospitals and commercial locations over an 8-year period (1996-2003). *J. Ind. Microbiol. Biotechnol.* 32:319-321.
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- of lysozyme on etafilcon A and balafilcon A hydrogel contact lenses: Effects on adhesion and survival of *Pseudomonas aeruginosa* and *Staphylococcus aureus*. *Contact Lens & Interior Eye*. 28:113-119.
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- Zhang, S., Ahearn, D.G. Noble-Wang, J.A., Stulting, R.D., Schwam, B.L., Simmons, R.B., Crow, S.A Jr., and Pierce, G.E. 2006. Growth and survival of *Fusarium solani*-*F. oxysporum* complex on stressed multipurpose contact lens care solution films on plastic surfaces *in situ* and *in vitro*. *Cornea*. 25:1210-1216.
- Ahearn, D.G., Price, D., Simmons, R.B., Mayo, A., and S.A. Crow, Jr. 2007. Microcycle conidiation and medusa head conidiophores of aspergilli on indoor construction materials and filters from hospitals. *Mycologia* 99:1-6
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- Ahearn, D.G., Zhang, S., Stulting, R.D., Simmons, R.B., Ward, M.A., Pierce, G.E., Crow, S.A. 2011. In vitro interactions of *Fusarium* and *Acanthamoeba* with drying residues of multipurpose contact lens solutions. *Invest Ophthalmol Vis Sci*. 52: 1793-1799.
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- Ahearn, D.G. Stulting, R. Doyle. Fungi associated with drug recalls and rare disease outbreaks. 2014. *J Ind Microbiol Biotechnol*. 41:1391-1397.
- Price, D.L. Ahearn, D.G. Prestridge, B.M. 2017. Mold contamination of indoor materials for the built environment. July 2017 Biofilm Science and Technology Meeting. Bozeman, Montana.
- Ahearn, D.G. Stulting, R. Doyle. 2018. Moulds associated with contaminated ocular and injectable drugs: FDA recalls, epidemiology considerations, drug shortages, and aseptic processing. *Med Mycol*. 56 (4):389-394.
- Price, D.L. Ahearn. D.G. 2018. Colonization and staining of marine vinyl by mould and actinomycetes: A four-year survey of new and weathered samples. *SIMB News* 68 (4): 113-116.
- Gabriel, M.M. Ahearn, D.G. 2020. Disinfection of contact lenses. *In: (McDonnel G. Hansen J. M. eds) Block's Disinfection, Sterilization, and Preservation 6th ed. Wolters Kluwer (2021) Philadelphia. pp 1107-1124.*

Price, D.L. Ahearn, D.G. 2020. Fungal colonization in the built environment: shipping and storage. *In:* (McDonnell G. Hansen J.M. eds) Block's Disinfection, Sterilization, and Preservation 6th ed. Wolters Kluwer (2021) Philadelphia. pp 1352-1359.