

CURRICULUM VITAE

EARL BENJAMIN III

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EDUCATION

2001– (2006)	PhD Candidate Bio-Environmental Studies	Morgan State University
1997- 1999	Masters of Science in Chemistry	Delaware State University
1991-1996	Bachelor of Science in Biology	Richard Stockton College
1991-1996	Bachelor of Science in Chemistry	Richard Stockton College

RESEARCH EXPERIENCE AND APPOINTMENTS

2004	<u>Research Intern</u> , Pittsburgh Supercomputing Center/Biomedical Division, Used basic bioinformatics principles such as hidden Markov models, advanced position-specific weight matrices, bayesian estimation, homology modeling, structural biology and molecular dynamics simulations to determine in computational research project.
1999 - 2000	<u>Research Technician</u> , UMDNJ-School of Osteopathic Medicine, Assisted in the analysis of key biological markers to determine lead exposure in pregnant women.
1997	<u>Research Technician</u> , The Richard Stockton College, Assisted in the preparation of several current bone and stress research projects.
1995 - 1997	<u>Student Research Assistant</u> , Molecular biology- bone morphology laboratory, The Richard Stockton College, Conducted several experiment in the field of stress and bone morphology.

TEACHING EXPERIENCE

2002-2003	<u>Teaching Assistant</u> , General Chemistry I and II Laboratory, Morgan State University, preparation and supervision of several chemical experiments including Acid/Base Titration and ideal Gas laws.
1997- 1999	<u>Teaching Assistant</u> , General Chemistry II Laboratory, Delaware State University Chemistry Department, Assisted in the preparation and supervision of several chemical experiments including Acid/Base Titration and ideal Gas laws.
1995 - 1996	<u>Teaching Assistant</u> , General Chemistry Laboratory, Richard Stockton College Chemistry Department, Assisted in the preparation and supervision of several chemical experiments including Acid/Base Titration and ideal Gas laws.

PROFESSIONAL ASSOCIATIONS AND SOCIETIES:

- 1999 – Current New Jersey Association of Osteopathic Physicians and Surgeons
- 1999- 2000 American Physiology Society
- 1999- 2000 The American Society for Cellular Biology
- 1998 Participate in the National Consortium for Graduate Degrees For Minorities in Engineering and Science (GEM Consortium) Faculty Bridge Seminar

COMMUNITY SERVICE

- 2004 Moderator for the Fifth Annual MBRS/RISE Science Career Workshop
- 1999 Judge at the UMBC 2nd Annual Undergraduate Research Symposium in the Chemical and Biological Sciences
- 1998 Judge at the South Jersey Regional Science Fair
- 1998 Volunteer for the Alpha Kappa Alpha Sorority Partnership in Mathematics and Science Career Conference
- 1998 Delaware's Department of Education Science in Motion Program
- 1997- 1999 Richard Stockton College's Summer Preparatory Program, Prepared and supervised several chemical experiments for middle and high school students.
- 1996 UMDNJ Mentor Scholars Program, Assisted high school students in development of research proposals.

AWARDS AND FELLOWSHIPS:

- 2006 2nd place Winner 13th Annual Morgan State University Undergraduate & Graduate Science Research Symposium Program (2006) Graduate Division
- 2001- Current Title III Scholar
- 1997-1999 Bridges to the Future Fellow
- 1996 Selected for the National Dean's List
- 1996 Awarded Program Distinction from the Richard Stockton College of New Jersey Biology Department for Academic and Research Excellence
- 1996 Honored by President Vera King Farris and The Unified Black Student Society of Richard Stockton College of New Jersey for Academic Excellence
- 1996 Dean's List:

RESEARCH

A. Posters and Publications

1. **Earl Benjamin III** *, Ellis Benjamin and Arthur Williams , “A Novel Method For The Deactivation of *Enterococcus faecalis*, *Staphylococcus aureus*, and *Escherichia coli*” Presented at the Morgan State University 13th Annual Undergraduate & Graduate Science Research Symposium Program (2006)
2. **Earl Benjamin III** *, Ellis Benjamin and Arthur Williams , “A Novel Method For The Deactivation of *Enterococcus faecalis*, *Staphylococcus aureus*, and *Escherichia coli*” Presented at the New England Science Symposium at Harvard Medical School (2006)
3. C. Reese*, T.V. Martin, **E. Benjamin III** and D.A. Hill , “Pretreatment With Silymarin Modifies The Level Of Endotoxin-Induced Neutrophil Migration And Liver Injury” Presented at the American Society of Cellular Biology 42nd Annual Meeting (2002)
4. Reese C*, **Benjamin. E.**, Martin T.V., Hijji Y., and Hill. D. “Pretreatment With Silymarin Modifies The Level Of Endotoxin-Induced Neutrophil Migration And Liver Injury.” Presented At The Morgan State University 9th Annual Undergraduate & Graduate Science Research Symposium Program (2002)
5. **Benjamin. E.***, Reese C., Martin T.V., Hijji Y., and Hill. D. “Post Treatment With Silymarin Reduces The Degree Of Alpha-Naphthylisothiocyanate-Induced Liver Injury.” Presented At The Morgan State University 9th Annual Undergraduate & Graduate Science Research Symposium Program (2002)
6. **Benjamin. E.**, A Kinetic Study Of The Degradation Of Trichloroethylene By Metal Ions Master’s Thesis, Delaware State University (1999)
7. Janangir. ZMS* , **Benjamin E.**., Hinchliffe D, and Patterson-Buckendahl P. “Probing Osteocalcin In Fish”. Presented at the 52nd Annual Fish and Northeastern Wildlife Conference (1996).
8. **Benjamin. E.** * , Patterson-Buckendahl. P, “Semi-Quantitative Analysis Of Rat Osteocalcin mRNA Expression Between Skeletal And Non Skeletal Cells As A Function Of Immobilization Stress”. Presented at the 1st Richard Stockton College Biannual NAMS Student Research Presentation. (1995)