

## CURRICULUM VITAE

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### Personal

Born: Edenton, North Carolina  
Family Status: Married; two children (Megan & Emma)

### Education

1977 B.S. University of Southern Mississippi  
1978 M.S. University of Southern Mississippi (cytogenetics)  
1988 Ph.D. Tulane University (cancer cytogenetics)

### Post Doctoral

1986 University of Alabama at Birmingham (Mentor: Bill Brinkley, Ph.D.)  
Cellular and molecular biology of the chromosomal kinetochore  
1990 University of Michigan (Mentor: Francis Collins, M.D., Ph.D.)  
Functional genomics of NF-1, CF and AML inv16 gene mutations

### Employment

1978-1979 Cytogenetic Technologist, Clinical Pathology, M.D. Anderson Hospital, Houston, TX  
1980-1982 Research Assistant, Anatomy Department, University of Mississippi Medical Center, Jackson, MS  
1990-1991 Visiting Lecturer, of Anatomy and Cell Biology, University of Michigan, Ann Arbor, MI  
1991-1993 Education Director, Human Genome Center, University of Michigan, Ann Arbor, MI  
1993-1997 Chief, Genetics Education Office, NHGRI, NIH, Bethesda, MD  
1997- Director, Outreach and Education, Comprehensive Cancer Center, The Ohio State University, Columbus, OH  
1998-2002 Member, Comprehensive Cancer Center, The Ohio State University, Columbus, OH

### Academic Appointments

1980-1983 Part-time Instructor, Biology Department, Hinds Community College, Raymond, MS  
1983-1986 Part-time Instructor, Biology Department, William Carey College, New Orleans, LA  
1987-1990 Research Instructor, Anatomy and Cell Biology, University of Alabama, Birmingham, AL

1988-1990	Part-time Instructor, Biology Department, Judson College, Centerville, AL
1991-1993	Research Scientist, Internal Medicine, University of Michigan, Ann Arbor, Michigan
1998-2000	Adjunct Assistant Professor, Medical Microbiology and Immunology Department, The Ohio State University, Columbus, OH
2000-2002	Assistant Professor, tenure track, Molecular Virology, Immunology & Medical Genetics, The Ohio State University, Columbus, OH
2000-	Recruiting Committee and Admissions Committee member for the OSU Integrated Biomedical Graduate Program
2000-	Coordinator of Minority Recruitment and Retention for the OSU Integrated Biomedical Graduate Program
2002-	Associate Professor, Department of Genetics, Louisiana State University Health Sciences Center, New Orleans
2002-	Member, Stanely Scott Cancer Center, LSUHSC

### **Honors and Awards**

1983	Claude Arceneaux Award for Student Excellence, Louisiana Society for Electron Microscopy
1994	NHGRI Award of Merit
1997	NIH Director's Award
1997-2000	Chair, Information and Education Committee, American Society for Human Genetics
1998	NIH Award of Merit Education Committee, American Society for Gene Therapy
1999-2002	Faculty Advisor, Landacre Medical Student Research Society
2000	Champions of the James Award

### **Professional Memberships**

- American Society for Human Genetics (Information & Education Committee, 1992 -)
- American Society for Gene Therapy (Education Committee, 1997- )
- American Association for Cancer Education

### **Reviewer**

*Ad hoc* reviewer for Journal of Medical Genetics

Textbook reviewer for Fitzgerald Press – An Introduction to Human Genetics

Text book editor for Fitzgerald Press - An Introduction to Gene Therapy and Molecular Medicine

Text book reviewer for Glencoe/McGraw Hill - BIOLOGY the dynamics of life (high school text)

### **Other Professional Activities**

Education Consultant for Roche Pharmaceuticals - content and production of educational CD-ROM on pharmacogenetics

Web site content expert for [www.Genetichalth.com](http://www.Genetichalth.com)

Content expert for [www.Netwellness.com](http://www.Netwellness.com)

Ohio Governor's Task Force on Genetics

Ohio Board of Regents/Ohio Dept. of Education "Tech Prep Futuring Panel for

### **Grant Reviewer**

NHLBI – Programs in Genomic Applications Centers Grants August, 2000 Study Section

NHGRI - ELSI program grants; November, 2000 Study Section

### **Courses, Workshops & Conferences**

1991 – 1993	Genome Technology and Its Implications – high school teacher summer workshop (UofM)
1992	Genome Technology course for community college faculty (UofM)
1991 – 1993	Genetics portion of Summer Science for girls (UofM)
1992	Science writers workshop on the Human Genome Project (UofM)
1994 – 1997	Shortcourse in Genomics for Faculty from Minority Institutions (NHGRI)
1994/1995	Science Writers' Workshop on the Human Genome Project (NHGRI) National Genetics Education Computer Database (NHGRI/NIH)
1996 – 1997	Revolution in Progress: human genetics & medical research: NIH museum display on the history of research in genetics (NHGRI)
1996/1997	The Genetic Self: a workshop for family counselors (NHGRI)
1995 – 1997	DNA Sequencing Partnership with high schools (NHGRI)
1993 – 1997	NHGRI Summer Research Internship Program
1995 – 1997	Gallaudet University Summer Institute for Science Teachers
1998 – present	Research!America liason for Project 435 (grassroots effort to increase funding for biomedical research)
1998 - present	Science in the Cinema programs
1999 – present	Moms in Medicine programs
1999 – present	OSU Mini Med School programs
1999 - present	High School Cancer Research Partnership programs
2000	Human Cancer Genetics, MVIMG 734, Lecturer
2001	Research Ethics, MVIMG 814.5, Course Director

### **Professional Society Activities**

#### **American Society of Human Genetics**

1991 - present	Education & Information Committee
1998 - 2000	Chair, Education & Information Committee
1991– present	American Society of Human Genetics High School Outreach Program (coordinator and speaker)

#### **American Society of Human Genetics Education Sessions**

1994	Bench to Bedside: how do genetic tests become a standard of care
1995	Genetics at the Crossroads: testing and informed consent
1998	Cloning: promise and perils
1999	Pharmacogenomics: genetic medicine or snake oil?

2000 Patent Issues in Genetics: ethics, law and policy  
2001 Proteomics: the final frontier?

**American Society of Human Genetics Workshops/Symposia**

2000 Pharmacogenetics

**American Society for Gene Therapy**

1998 - present American Society for Gene Therapy Education Committee  
1998 - present American Society for Gene Therapy High School Outreach Program  
(coordinator and speaker)

**Funding**

**Past:**

PI: Gregory 2/93 - 3/96 Dept. of Energy (Human Genome) \$275,000  
*Genome Technology and Its Implications: a Hands-on Workshop for Educators*  
Developed a summer workshop for high school and community college faculty on the latest advances in genomic technology, their implications as well as hands on activities for the classroom.

PI: Gregory 11/93 - 10/96 NHGRI (T35) \$175,000  
*Genome Technology: A Practical Workshop for Minority Faculty\**  
To develop a summer workshop designed to update faculty from minority colleges on the latest developments in the Human Genome Project.  
**\*Awarded but not implemented due to recruitment to NIH**

PI: Citrin CoPI: Gregory 8/95 - 7/98\* NHGRI (R01) \$1,200,000  
*Genome Technology & Reproduction - - Values & Public Policy*  
To learn from lay and professional communities how they feel about genome technology, and to work with these communities in formulating laws and public policy.  
**\*Awarded after recruitment to the NIH**

PI: Gregory 1/98 - 12/98 Komen Foundation \$17,500  
*Breast Cancer Risk Counseling: a step-by-step guide for health care professionals*  
Developed an educational program on hereditary breast cancer risk, which included in-service training for nurses, grand rounds for physicians and a workshop for family counseling professionals.

PI: Gregory 7/98 - 8/99 CCC-CHRI Research Fund \$15,000  
*Science for the Next Millenium: High School Cancer Research Partnership*  
Developed a partnership program with Columbus-area high schools to teach AP biology students about cancer genetics and enable them to perform PCR on their own DNA as well as DNA from tumors

PI: Gregory 10/98 - 11/99 Pfizer Pharmaceuticals \$10,000  
*Mini Med School*  
Public health education lecture series that provides lectures on the basic science and clinical application of many topics which would be covered during medical school.

PI: Gregory 11/99 - 10/00 Pfizer Pharmaceuticals \$10,000

*Mini Med School on Urban Health Issues*

Public health education "course" at OSU East that provided lectures on the basic science and clinical application of those health problems facing the urban community.

PI: Gregory            10/98 - 9/01            Borden Foundation            \$25,000

*Science in the Cinema*

Film series for the community which uses popular films to discuss topics in health and research - what is true and what is "hollywood".

**Current:**

PI: Gregory            10/99 - 9/04            NCI (R25)            \$635,903

*Cancer Research Summer Internships for Medical Students*

Eight-week summer research experience for medical students within cancer center research labs. Supports student stipends, a lecture series and travel scholarships for students to attend meetings.

PI: Caligiuri            CoI: Gregory            6/99 - 5/04            NCI (T32)

*Hematology-Oncology Training Grant*

Program Coordinator for post-doctoral training grant in hematology/oncology.

PI: Gregory            8/00 - 7/05            NCI (R25)            \$323,120

*Science for the New Millennium: high school cancer research partnerships*

Research partnership with high schools throughout the Columbus area. Students will learn PCR and other research techniques in their own classrooms. This program focuses on the genetic changes that occur in cancer development and predisposition.

PI: Gregory            1/00 - 12/00            Columbus Medical Assoc. Fnd.            \$29,500

*Hereditary Breast/Ovarian Cancer On-Line CME Course*

On line CME course to be piloted in central Ohio, that will provide practicing physicians with risk assessment and referral guidelines for families with a history of breast/ovarian cancer.

**Book Chapters**

**Gregory PE.** *Plain Talk about the Human Genome Project.* Ed E. Smith and W. Sapp, Educational Programs on the HGP sponsored by NHGRI, p243-246, 1996.

**Gregory PE.** *Grollier New Book of Knowledge (2000 edition).* Ed. D. Hogan, "Genetics", 1999.

**Bibliography**

**Gregory PE,** Howard-Peebles PN, Ellender RD, Martin BJ. C-banding of chromosomes from three established marine fish cell lines. *Coepia* 3:545-547, 1980.

**Gregory PE,** Howard-Peebles PN, Ellender RD, Martin BJ. Analysis of a marine fish cell line from a male sheepshead. *J Hered* 71:209-211, 1980.

**Gregory PE**, Greene C, Shapira E, Wang N. Changes in the X chromosome replication pattern induced by 5-azacytidine in a patient with Klinefelter syndrome. *Cytogenet Cell Genet* 39:234-236, 1985.

**Gregory PE**, Wang NW, Howard-Peebles PN. Analysis of sister chromatid exchanges in Fra(X) individuals. *Am J Med Genet* 23:563-566, 1985.

**Gregory PE**, Wang NW. Analysis of X-chromosome replication pattern induced by 5-azacytidine in a human tumor line. *Cancer Genet Cytogenet* 20:263-267, 1986.

Bunnell BA, Fillmore H, **Gregory PE**, Kidd VJ. A dominant negative mutation in two proteins created by ectopic expression of an Au-rich 3' untranslated region. *Somat Cell Mol Genet* 16:151-162, 1989.

Wallace MR, Anderson LB, Saulino A, Brereton A, **Gregory PE**, Glover TW, Collins FS. A *de novo* Alu insertion results in neurofibromatosis type 1. *Nature* 353:864, 1991.

**Gregory PE**, Guttman DH, Mitchell AL, Park S, Jacks T, Wood DL, Boguski M, Jove R, Collins FS. The neurofibromatosis type gene product co-localizes with microtubules. *Somat Cell Mol Genet* 3:265-274, 1993.

ASHG Information and Education Committee. Report from the ASHG Information and Education Committee: Medical School Core Curriculum. *Am J Hum Genet* 56:535-537, 1995.

Wijmenga C, **Gregory PE**, Schrock E, Ried T, Eils R, Liu PP, Collins FS. The CBF- $\beta$ -SMMHC chimeric protein involved in acute myeloid leukemia forms novel nuclear plate-like structures in transformed NIH 3T3 cells. *Proc Natl Acad Sci USA* 93:1630-1635, 1996.

Munn M, Skinner PO, Conn L, Horsma HG, **Gregory P**. The involvement of genome researchers in high school science education. *Genome Res* 9(7):597-607, 1999.

Hampel H, Graham J, **Gregory P** Breast C.A.R.E. Breaks: an innovative cancer genetics education model for health care professionals. *In preparation*.

**Gregory PE** The impact of Mini Med School on knowledge and attitudes of the community. *In preparation*.

### **Selected Presentations**

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| 1990 | Michigan Community College Biologists Meeting, Keynote   |
| 1991 | Michigan Science Teachers' Association<br>Great Lakes Regional Genetics Group<br>Salk Institute Ethics Conference  |
| 1992 | Kalamazoo Math and Science Center, Commencement Address<br>American Medical Writers Association<br>Mississippi Science Teachers Association, Keynote<br>CEBAF, Public Forum, Keynote |

Mississippi Junior Academy of Science, Keynote

1993

Brookings Institute  
George Mason University  
West Virginia Governor's School, Keynote  
Rhode Island Regional Teachers Meeting, Keynote  
Virginia Science Teachers Association, Keynote  
Pittsburg Regional Teachers Association, Keynote  
HUGO Meeting Education Session Moderator  
NIH Mini Med School  
Hope College

1990

Wisconsin Lutheran College, Keynote  
Georgia Science Teachers Association, Keynote  
Lycoming College Biotechnology Conference, Keynote  
Dickinson College Biotechnology Conference, Keynote  
NIH Mini Med School  
New England Health Association  
Pennsylvania Biotechnology Association  
Women in Science Symposium, South Dakota, Keynote  
Ethics Symposium for Navy Chaplains

1991

American Public Health Association  
Genetics in the Courtroom, Washington D.C.  
Tuskegee University, Plain Talk about the Human Genome Project  
Vanderbilt University  
Advanced Placement Biology Teachers, Keynote

1996

CME course, University of Minnesota Medical School  
West Virginia Governor' School, Keynote  
Cornell University  
Michigan Science Teachers Association, Keynote  
University of Kansas Medical Center

1992

Science, Ethics and Religion, Syracuse University, Keynote  
Genetics in the Courtroom, Cape Cod  
Highlands Forum, Princeton University  
Great Lakes Regional Genetics Group  
Gallaudet University Science Teachers Institute, Keynote

1993

Mississippi Academy of Sciences, Keynote  
Georgia Science Teachers Association, Keynote  
Genetics in the Courtroom, Chicago

OSU-CCC Grand Rounds  
Virginia Tech University  
Kent State University

- 1994
- CME course, Queen's Hospital Honolulu, Hawaii
  - Columbus Oncology Nursing Association, Keynote
  - Notre Dame University CME Course
  - Springfield Hospital Grand Rounds
  - American Society of Gene Therapy high school teachers' workshop
- 1995
- OSU Heart/Lung Institute Keynote
  - Ohio Veterinary Association Platform presentation
  - CME course, Queen's Hospital Honolulu, Hawaii
  - St. Joseph Hospital, Toledo, Ohio Keynote
  - OSU CME course, "Approaches to Treating Breast Cancer"
  - Kaleidoscope 2000 Conference for Women
  - On-line lecture for OSU-CCC, Hereditary forms of Cancer
  - Genetics in the 21st Century; Ohio Governor's Conference
  - Channel 6 (six week series) Know Your Family Medical History