



Agnes Scott
invites you

The excitement of discovery

Long hours of research

Learn

More than ever before, women scientists are needed in a world of increasing technological and ethical complexity. Agnes Scott College builds a bridge between that world and the four disciplines of its new Science Center—biology, chemistry, physics and psychology.

Minds sparking minds

Leading Science

This \$36.5 million facility allocated \$4 million alone for state-of-the-art equipment and instrumentation. From its imposing Woolford B. Baker Atrium to each dedicated faculty-student research lab, this research- and technology-rich environment encourages new and emerging scientists while supporting the ongoing work of its faculty. Bathed in natural light, the Center's comfortable and open sitting areas enable faculty-student groups to gather informally for collaborative learning opportunities.

Central to these endeavors is Agnes Scott herself, the young Irish immigrant and matriarch honored by the mural of her DNA in the three-story Woolford B. Baker Atrium. Derived from the mitochondrial DNA of a female Scott descendent and alumna, this particular double helix, through a discovery made only 50 years ago, symbolically links the College's tradition with today's graduates and students—the conscience of modern science.



JULIE GERBERDING

is the director of the Centers for Disease Control and Prevention and is an associate clinical professor of medicine (infectious diseases) at Emory University. As acting deputy director of the National Center for Infectious Diseases, Gerberding played a major role in leading CDC's response to the anthrax bioterrorism events. She joined CDC in 1998 as director of the Division of Healthcare Quality Promotion, where she developed CDC's patient safety initiatives and other programs to prevent infections, antimicrobial resistance and medical errors in healthcare settings. Her scientific interests encompass infection prevention and healthcare quality promotion among patients and their healthcare providers.

ing and exploration

President Mary Brown Bullock '66

and the

Board of Trustees of

Agnes Scott College

cordially invite you to the opening celebration of the

SCIENCE CENTER AT AGNES SCOTT COLLEGE

Lecture by

JULIE GERBERDING, M.D., M.P.H.

Director

Centers for Disease Control and Prevention

APRIL 24, 2003

8 P.M.

GAINES CHAPEL, PRESSER HALL



Event is free, but ticket is needed for entrance.

Call 404 471-6302.

Reception immediately following lecture

Woolford B. Baker Atrium

Science Center



ABOUT THE COVER

Agnes Scott's DNA

In the cover's center is part of the Science Center's three-story mural depicting the DNA double helix of Agnes Irvine Scott for whom the College is named. The mitochondrial DNA is passed only by females, and the direct descendent matching Agnes Scott was great-great-great-great granddaughter Lisa Harvey Lepovetsky, an alumna of the College. The Science Center's wall pictures a portion of the DNA and only 1,200 of the 16,572 letters in the sequence; the entire molecule would extend 4.7 miles at the scale of the helix on the wall.

Botanical Medallions

In the four corners of the cover are fantasy botanical motifs, "Botanic Explosion," which are embedded in each exterior end of the Science Center and represent the energetic spirit of inquiry within its walls. Around the building exterior are smaller diamond shaped panels, "Floral Gems." Cast in resin to resemble terra cotta, the decoration was inspired by motifs on Sever Hall (1878) at Harvard, which were designed by H. H. Richardson, the famous American architect and the successor firm to Shepley Bulfinch Richardson and Abbott, architects of Agnes Scott's Science Center.

BOB SHURE, sculptor, JON ROLL, designer

OUR MISSION

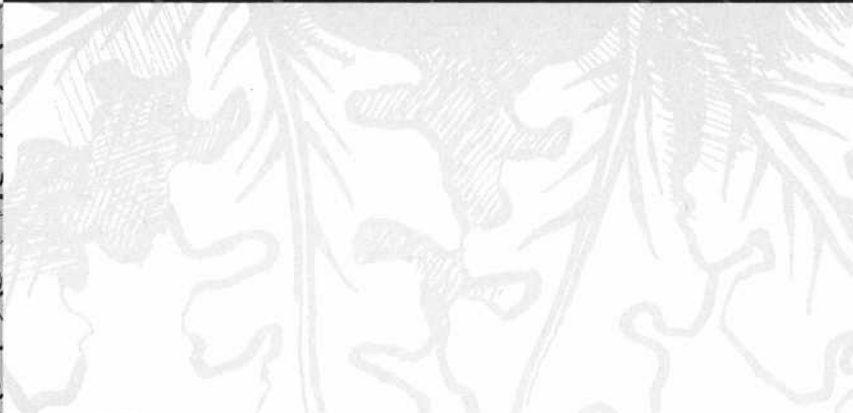
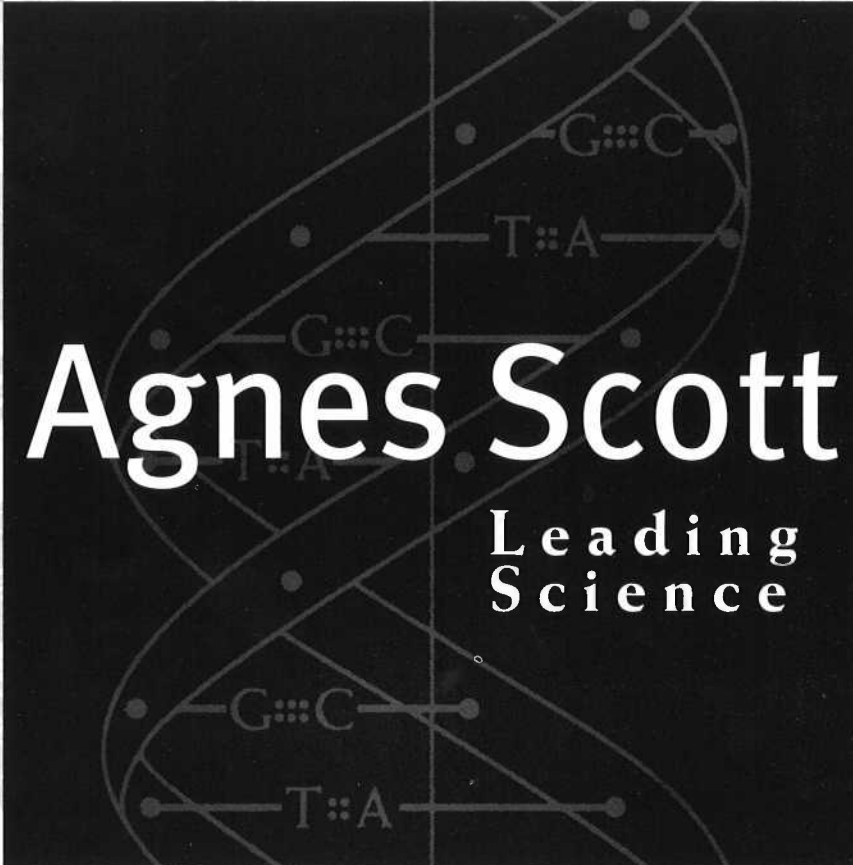
Agnes Scott College educates women to
think deeply, live honorably and engage the intellectual
and social challenges of their times.



AGNES SCOTT COLLEGE

THE WORLD FOR WOMEN

Atlanta/Decatur, Georgia



Agnes Scott

Leading
Science

Julie Gerberding, M.D., M.P.H.

JULIE GERBERDING is director of the Centers for Disease Control and Prevention and is an associate clinical professor of medicine (infectious diseases) at Emory University. She earned her B.A. degree *magna cum laude* in chemistry and biology at Case Western Reserve University in Cleveland, Ohio, and completed her internship and residency in internal medicine at University of California-San Francisco, where she served as chief medical resident before completing her fellowship in clinical pharmacology and infectious diseases at UCSF. She earned her M.P.H. degree at the University of California-Berkeley in 1990.

As acting deputy director of National Center for Infectious Diseases, Gerberding played a major role in leading CDC's response to the anthrax bioterrorism events. She joined CDC in 1998 as director of the Division of Healthcare Quality Promotion, where she developed CDC's patient safety initiatives and other programs to prevent infections, antimicrobial resistance and medical errors in health-care settings.

Among her numerous professional and academic memberships are *Phi Beta Kappa*, *Alpha Omega Alpha* (medical honor society), American Society for Clinical Investigation and American College of Physicians. She is a fellow in the Infectious Diseases Society of America. She is also a member of the Society for Healthcare Epidemiology of America and has been a member of the AIDS/Tuberculosis Committee. Gerberding is serving her third year as academic counselor on the SHEA board and is the 2003 president.

Her scientific interests encompass infection prevention/health-care quality promotion among patients and their health-care providers. In her numerous editorial activities, Gerberding has written or co-written more than 120 peer-reviewed publications and textbook chapters and contributed to numerous guidelines and policies relevant to HIV prevention, post-exposure prophylaxis, management of infected healthcare personnel and health-care-associated prevention and control.

Symphony No. 1

(Translations: the DNA of Agnes Scott)

As you arrived, you heard an original composition developed from 300 unique nucleotide bases of Agnes Irvine Scott, mother of College founder George Washington Scott. Composed by Alexandra Pajak '04, the first movement is based on Irish and American traditional music and has an "arch" structure, which represents Scott's roots, her relationship with her suitor and their separation when she emigrated from Ireland to the United States. The second movement uses compositional techniques employed by other DNA composers for assigning rhythms and pitches to Scott's DNA sequence (for example, GCTACT would be pitched G-C-E-A-C-E.) The third movement is more creative, centered entirely on chords derived from the first four bases of part of her sequence: G-major, A-major, E-major and C-major.

Pajak, from Watkinsville, Ga., is pursuing a double major in biology and music. She also composed *Day of Darkness*, a musical representation of September 11, which won an award in the Student Composers Contest for Original Chamber Works in the Gulf Coast Festival of New Music at University of South Alabama. Pajak was the 2002 and the 2003 recipient of the Elizabeth R. Griffin Foundation Internship.

**SCIENCE CENTER CELEBRATION
AGNES SCOTT COLLEGE
GAINES CHAPEL, PRESSER HALL
APRIL 24, 2003**

Prelude: Symphony No. 1
Alexandra Pajak '04 (b.1981)
(Translations: *the DNA of Agnes Scott*)

Allegro

Adagio

Presto

Science and a Liberal Arts College

Mary Brown Bullock '66

President

Agnes Scott College

Introduction of Special Guests

Introduction of Speaker

Katie Jordan '05

Goldwater Scholar

"First Ladies in Public Health"

Julie Gerberding, M.D., M.P.H.

*Immediately following this lecture, please join us at the Science Center
for a reception in the Woolford B. Baker Atrium.*

AGNES SCOTT COLLEGE
SCIENCE CENTER

Housing the departments of biology, chemistry, psychology and physics, the College's Science Center encourages collaboration among science departments, students and faculty. The more than 115,000-square-foot building comprises individual faculty research space as well as research laboratories for faculty and student research, and more than \$4 million of the \$36.5 million building cost is designated for state-of-the-art instrumentation. Collaboration is further encouraged by the "race track" floor plan, which places shared resources in the center of the building's wings, with labs and classrooms around the perimeter. Making the sciences available to the campus community is facilitated by windows on all labs, allowing observation of research activity, and by the building's north and south entrances, which encourage walk-through traffic. Already a prime gathering place for various campus functions is the Center's Woolford B. Baker Atrium with the representation of Agnes Scott's DNA on one wall. Constructed 50 years after the discovery of DNA, this wall links the College's history to its commitment to the sciences as an integral part of a liberal arts education. Astronomy, a part of the Department of Physics and Astronomy, is located in Bradley Observatory and Delafield Planetarium, which was built when the observatory was renovated in 2000.

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THE WORLD FOR WOMEN

141 East College Avenue
Decatur, GA 30030
www.agnesscott.edu