

# GRANT OPPORTUNITIES

## Newsletter of the Office of Grants and Program Review

July-August 2004

### Ongoing Educational Opportunities for Rural Public Health Nurses

Staff Writer: Amy Thaggard, Writing Assistant

In rural areas where access to hospitals and healthcare specialists can be limited, nurses are critical links in the healthcare system, serving as the first line of defense for public health. In our region, a critical shortage of nurses couples with a shortage of physicians to put increased pressure on the nurse workforce to provide crucial healthcare services. Insufficient funding has also limited continuing education opportunities, since in many cases the single nurse on staff at a facility cannot take time off to attend traditional academic classes.

Dr. Cherry Guinn, Associate Professor in the School of Nursing, has recognized this need for improved educational opportunities. She has received a grant totaling \$90,000 for a three-year program entitled "Continuing Education for Rural Public Health Nurses." This program will provide continuing education for rural public health nurses serving in medically underserved communities in 48 counties in southeast Tennessee, northwest Georgia, western North Carolina, and northeast Alabama. The program offers one workshop per year to a minimum of 60 nurses, enabling them to update and improve

their knowledge and skills to better serve their clients.

Dr. Guinn has carefully planned the program to be responsive to the particular education needs and information gaps of the regional nursing workforce. Dr. Guinn's needs assessment identified preventative medicine as a critical topic.

The high rates in the Southeast for infant mortality, teenage pregnancy, and sexually-transmitted disease demonstrate another great need. Child abuse cases and new AIDS cases also rate very high. These topics are of the greatest importance to rural health nurses in their mission to better the health of our region.

Dr. Guinn and her staff have also noted a need for programming to prepare nurses to meet the needs of specific populations including women, children, rural Appalachian populations, and Hispanic families. Additional issues to be addressed by the workshops will include: surveillance issues for terrorism, disease prevention and health promotion strategies, tobacco use and sexual behavior risk prevention, family planning and assessment, childhood depression and emotional development, alternative medicine and treatments.

In addition to her educational workshops, Dr. Guinn and her team

hope to meet four main goals. The first is to create a system that will enable rural health nurses to communicate their educational needs and receive information to bring them up-to-date. Secondly, Dr. Guinn hopes to expand regional knowledge in both women's and children's health. Due to increased threats of bioterrorism since 9-11, the program's third goal is the dissemination of innovative strategies and information about healthcare providers' role in assisting with crisis prevention. Lastly, Dr. Guinn and her staff will create a four-state network of rural public health nurses, providing a support system for the nurses to share knowledge and professional needs.

In the hope of reaching out to even more rural public health nurses, workshops will be videotaped for nurses unable to attend the workshop sessions. The need for a reference video library is significant because Dr. Guinn's program is the only opportunity rural nurses will have to meet their continuing educational needs. Dr. Guinn's project will serve as a model for other areas facing the same healthcare challenges, thus helping to improve the nation's healthcare system.

# FUNDED GRANTS AND RESEARCH

July 1, 2004 — August 31, 2004

## COLLEGE OF ARTS & SCIENCES

### Biological and Environmental Sciences

DR. JOHN TUCKER

|     |   |          |
|-----|---|----------|
| NSF | NSF Graduate Fellowship for Cheryl Horn<br><u>Chemistry</u> | \$40,500 |
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DRS. GREG GRANT, KYLE KNIGHT, ROB MEBANE, MANUEL SANTIAGO, THOMAS WADDELL

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|-----|---|-----------|
| NSF | Acquisition of a 400 MHz NMR Spectrometer<br><u>English</u> | \$279,983 |
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DR. RICHARD JACKSON

|                            |                                    |         |
|----------------------------|------------------------------------|---------|
| Allied Arts of Chattanooga | Meacham Writers' Workshops 2004-05 | \$2,500 |
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MR. EARL BRAGGS

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|--------------------|--------------------------------------|---------|
| TN Arts Commission | Fellowship in Poetry<br><u>Music</u> | \$5,000 |
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DR. JONATHAN MCNAIR

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|----------------------------|--|---------|
| Allied Arts of Chattanooga | Music, Art and the Environment: UTC Symposium 2005 | \$1,000 |
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DR. WILLIAM LEE

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|--------------------------|---|---------|
| German Academic Exchange | Learn German in Germany at Goethe Institute in Munich<br><u>Political Science</u> | \$2,400 |
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DR. DAVID EDWARDS

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| Why kNOw Abstinence Ed. | Evaluation and Performance Measurement | \$22,200 |
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### Southeast Center for Education in the Arts

DR. KIM WHEETLEY

|                    |  |         |
|--------------------|--|---------|
| TN Arts Commission | Arts Integration and Arts Exploration Summer Workshops | \$7,500 |
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## COLLEGE OF ENGINEERING & COMPUTER SCIENCE

### Engineering & Computer Science

SIMCENTER

|                            |  |           |
|----------------------------|--|-----------|
| U.S. Dept. of Energy       | Numerical Simulation of Flow about Heavy Trucks            | \$213,500 |
| U.S. Dept. of HHS/HRSA     | Equipment for Graduate School of Computational Engineering | \$984,159 |
| Aerospace Testing Alliance | Computation of Flows Produced by Swirl Generator Concepts  | \$40,000  |

DR. PHIL KAZEMERSKY

|   |   |          |
|---|---|----------|
| Advanced Transportation<br>Technology Institute | Transportation Research for Nashville Transit Authority | \$30,000 |
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# COLLEGE OF HEALTH, EDUCATION & PROFESSIONAL STUDIES

## Center for Community Career Education

|   |   |           |
|---|---|-----------|
| <b>MS. TWYLER BOYKIN</b><br>U.S. Dept. of Education   | Upward Bound Math and Science PRISM 2004-05               | \$222,916 |
| <b>MS. CYNTHIA WALLACE</b><br>U.S. Dept. of Education | Southern Appalachian Education Opportunity Center 2004-05 | \$255,385 |
| <b>MS. SANDY COLE</b><br>U.S. Dept. of Education      | Gear-Up in Bradley and Walker Counties 2004-05            | \$417,782 |

## Challenger Center

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|---|---|----------|
| <b>MR. TOM PATTY</b><br>Hamilton Co. Dept. of Ed. | Girls in Flight Lights on Programming 2004-05 | \$16,217 |
|---|---|----------|

## Children's Center

|  |   |         |
|--|---|---------|
| <b>MS. ANNE GAMBLE</b><br>Hamilton Co. Dept of Ed. | Services for Students with Disabilities | \$5,313 |
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## Health, Education & Professional Studies

|   |  |           |
|---|--|-----------|
| <b>MS. MARY TANNER</b><br>Signal Centers, Inc.        | Anne Gamble as Director of Project Ready for School          | \$35,095  |
| <b>MS. JENNIFER DRIVER</b><br>U.S. Dept. of Education | Cultural Competencies for Teachers and Educational Personnel | \$259,767 |
| <b>DR. HUNTER HUCKABAY</b><br>U.S. Dept. of Education | Gear Up II 2004-05   | \$487,115 |

## Exercise Science Health & Leisure Studies

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|---|--|-----------|
| <b>DR. GARY WILKERSON</b><br>Various              | Athletic Training Clinical Site Agreements 2004-05 | \$223,000 |
| <b>DR. DAVID CUNDIFF</b><br>TN Dept. of Education | HIV Prevention Education Resource Center           | \$5,500   |

## Nursing

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|---|---|----------|
| <b>DR. KAY LINDGREN</b><br>U.S. Dept. of HHS/HRSA | Advanced Education Nursing Traineeships 2004-05           | \$35,011 |
| U.S. Dept. of HHS/HRSA                            | Nurse Anesthesia Traineeships 2004-05                     | \$24,229 |
| U.S. Dept. of HHS/HRSA                            | Graduate Nursing Scholarships—Disadvantaged Students      | \$41,431 |
| U.S. Dept. of HHS/HRSA                            | Baccalaureate Nursing Scholarships—Disadvantaged Students | \$50,153 |
| <b>DR. CHERRY GUINN</b><br>U.S. Dept. of HHS/HRSA | Continuing Education for Rural Public Health Nurses       | \$30,000 |

Physical Therapy

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|---|--|-----------|
| <b>DR. DAVID LEVINE</b><br>U.S. Dept. of HHS/HRSA | Graduate Scholarships for Disadvantaged Students | \$4,685   |
| <b>DR. RANDY WALKER</b><br>U.S. Dept. of HHS/HRSA | HCOP: Allied Health CAREERS 2004-05              | \$279,799 |

Teacher Preparation Academy

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|---|---|-----------|
| <b>DR. BARBARA RAY</b><br>TN Dept. of Education       | Early Childhood Special Education Institute 2004-05         | \$48,042  |
| TN Dept. of Education                                 | Special Education Teacher Institute 2004-05                 | \$110,013 |
| TN Dept. of Education                                 | BASE-TN Teacher Initiative                                  | \$74,992  |
| <b>MS. JENNIFER DRIVER</b><br>U.S. Dept. of Education | Project LEAP: Learning English, Acquiring Proficiency 04-05 | \$262,832 |

Tennessee's Early Intervention System

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|---|---|-------------|
| <b>MR. DAVID BAKER</b><br>TN Dept. of Education | Tennessee Early Intervention System 2004-05 | \$1,296,073 |
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**ADMINISTRATIVE**

College Access Program/Office for Students With Disabilities

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|---|--------------------------------|----------|
| <b>MS. NANCY BADGER</b><br>TN Dept. of Human Services | College Access Program 2004-05 | \$44,442 |
|---|--------------------------------|----------|

Continuing Education & Public Service

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|---|--|---------|
| <b>DR. BETH DODD</b><br>TN Dept. of Education | Services to Vocational Health Science Teachers 2004-05 | \$8,668 |
|---|--|---------|

Fine Arts Center

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|---|--|---------|
| <b>MR. KIM RENZ</b><br>Allied Arts of Chattanooga | Ronald K. Brown EVIDENCE Dance Residency                   | \$1,000 |
| TN Arts Commission                                | Support for Participation in Performing Arts Exchange 2004 | \$500   |

Student Support Services

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|--|----------------------------------|-----------|
| <b>MS. SHIRL GHOLSTON</b><br>U.S. Dept. of Education | Student Support Services 2004-05 | \$263,171 |
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Upward Bound

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| <b>MR. BOOKER SCRUGGS</b><br>U.S. Dept. of Education | Upward Bound 2004-05 | \$279,496 |
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