



*Clark Atlanta University Center of Excellence  
NIH/NCMHD Center of Excellence for Prostate Cancer Research,  
Education and Community Service*

# ***Goals and Focus of CCRTD defined in 2004***

- To establish a world class research center in basic cancer research at Clark Atlanta University.
- To train undergraduate and graduate students and post-doctoral fellows in cancer research in order to prepare the next generation of African-American scientists in biomedical research.
- To establish a community based cancer education and prevention program.
- *Selection of Prostate Cancer as the focus area.*

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# ***Basic Research (Goals)***

1. Increase the number of basic cancer scientists: Both junior and senior scientists to increase the research capacity. In 10 years, CCRTD will have at least 10 investigators carrying out research in the area of cell and molecular biology of prostate cancer and the community based translational research. These investigations will be focused on understanding the impact of prostate cancer in African-American men.
2. To modernize and re-organize research core facilities
3. Improve overall research and scientific environment

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# ***Basic Research (Recruitments)***

## Tenure track faculty members

1. Dr. Jaideep Chaudhary, Associate Professor, Biology, 2005
2. Dr. Valerie Odero-Marah, Assistant Professor, Biology, 2007
3. Dr. Cimona Hinton, Assistant Professor, Biology, 2008

## Senior Research Scientists

1. Dr. Natalya Klueva, Core facilities, RCMI, 2004
2. Dr. Miao Zhang, Cell signaling, GRA, 2007
3. Dr. Kimberly Davis, Community Outreach, 2008

## Other recruitments

Community outreach education specialist, Postdoctoral scientists, research assistants, graduate students and administrative staff.

Total number of CCRTD personnel: 43

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# CURRENT RECRUITEMENTS

Junior Faculty: Assistant Professor- in progress- January 2010  
Next: September 2010.

Senior Faculty: Associate/Full Professor level- Oversee  
Translational Research

Research Scientist: Genomics Center/Tissue Repository

Postdoctoral Fellows- RCMI program (4 positions)

Graduate Students: Current funding for 7 Ph.D. students

Undergraduate Students:

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## ***Basic Research (Core Facilities)***

Dr. Natalya Klueva has reorganized research core facilities since 2004. Her activities have been focused on the following:

1. Establish long term and short term priorities for development of core facilities according to the needs of CCRTD research programs
2. Replace old and outdated equipment with new equipment; repair and upgrade existing equipment
3. Establish new core laboratories
4. Purchase new equipment

(Significant support for the equipment purchases has come from GRA)

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# Collaborative Cancer Genomics Center

*Partnership with Georgia Institute of Technology and  
Saint Josephs Medical Center*

1. High throughput DNA sequencing facility- Clark Atlanta University
2. Gene Expression Analysis, Bioinformatics- Georgia Tech
3. Patient Samples and translational research- St. Josephs

Cancer Focus: Prostate, Ovarian, Pancreatic and Lung

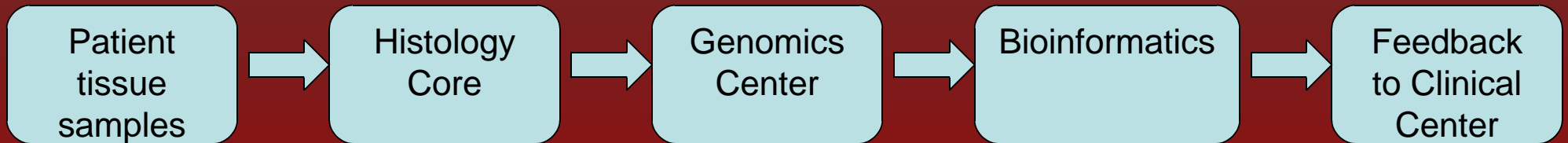
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# Histology Core

## New Equipment

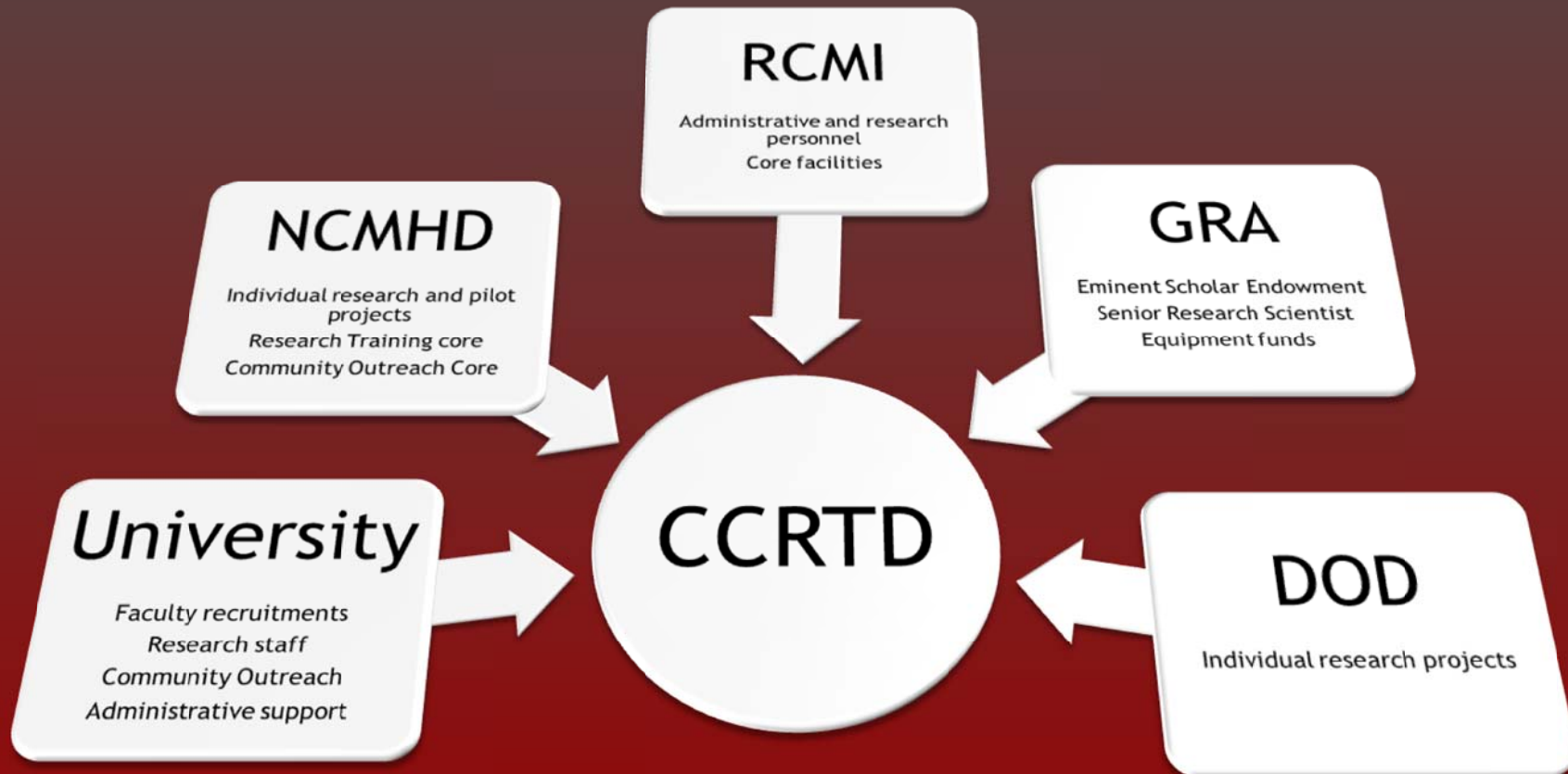
1. New microscope
2. Imaging system
3. Laser Capture Micro-dissection system



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# Current Funding of the CCRTD



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# Research Training

The overall objective is to provide training opportunities for young scientists in the area of prostate cancer and to increase the number of minority scientists (especially African-Americans) in this area.

1. We have engaged a significant number of undergraduate students in our laboratories during the past four years.
2. We have significantly increased the number of Ph.D. students who are carrying our research in the area of prostate cancers.
3. We have recruited postdoctoral scientists and junior faculty members who are being mentored into scientific careers in this area.

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# Community Outreach and Educational Program

1. EDUCATIONAL PROGRAM USING A VARIETY OF MEDIA AND VENUES
2. ESTABLISH A COMMUNITY-BASED RESEARCH PROGRAM FOCUSED ON PREVENTION, EARLY DETECTION AND TREATMENT OF PROSTATE CANCER IN AFRICAN-AMERICAN MEN

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# COMMUNITY OUTREACH AND RESEARCH

- ESTABLISH COMMUNITY BASED RESEARCH PROGRAMS
- ESTABLISH LONG-TERM RELATIONS WITH COMMUNITY BASED ORGANIZATIONS
- IN ADDITION TO RADIO AND TV, START WEB BASED EDUCATIONAL PROGRAMS
- ACQUIRE FUNDING FOR COMMUNITY OUTREACH AND RESEARCH FOR PRIVATE AND CORPORATE FOUNDATIONS

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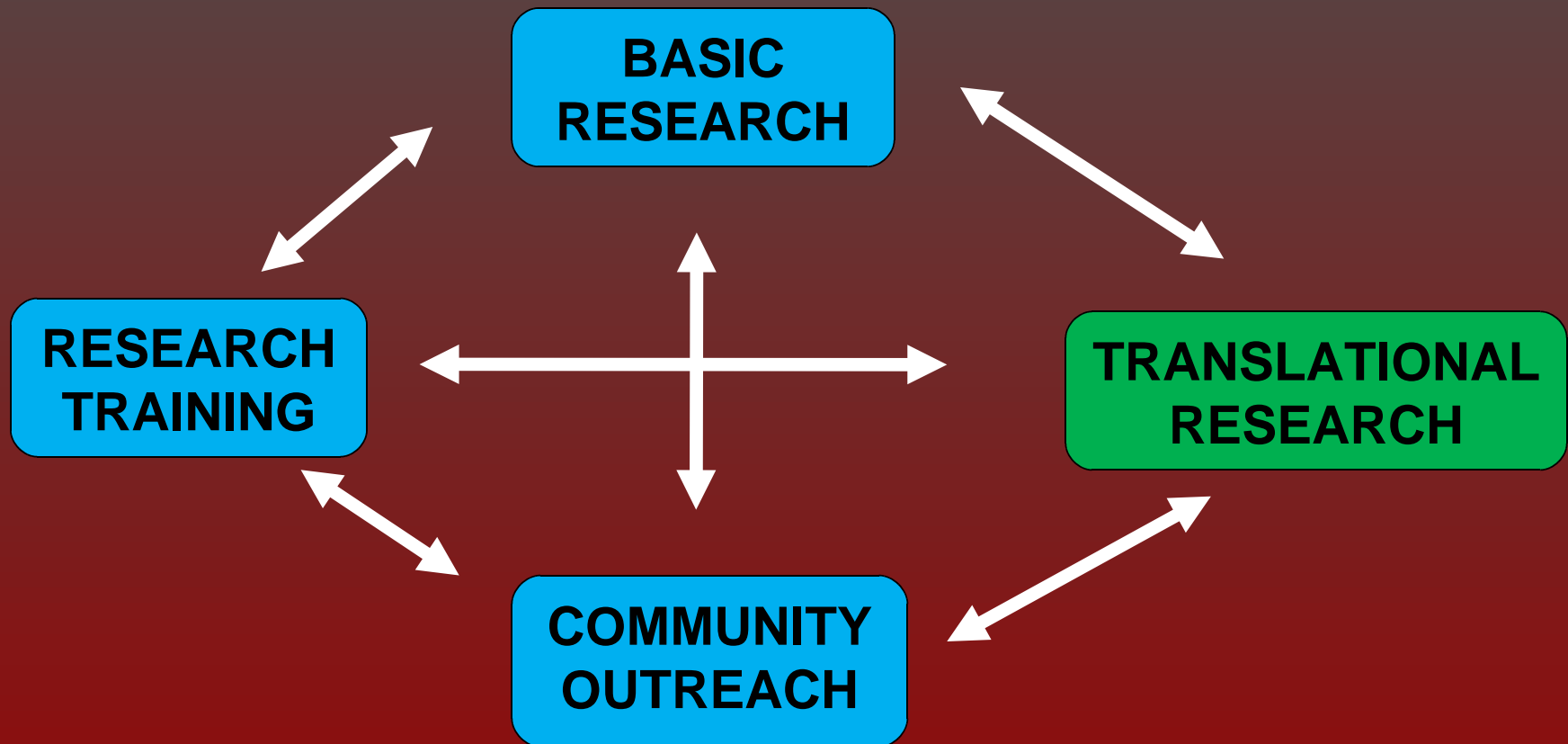
# TRANSLATIONAL RESEARCH

- DEVELOP COLLABORATIONS WITH CLINICAL SCIENTISTS
  - SAINT JOSEPHS MEDICAL CENTER, GRADY AND OTHERS
- ADJUNCT APPOINTMENTS AT CCRTD FOR CLINICAL SCIENTISTS
- COLLABORATION BETWEEN BASIC AND CLINICAL SCIENTISTS AT CANCER GENOMICS CENTER TO DEVELOP PATIENT BASED DIAGNOSTIC AND TREATMENT STRATEGIES

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# CCRTD GOALS IN PROSTATE CANCER



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*THANK YOU*

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