GULF REGIONAL GRANTS TRAINING WORKSHOP
PLANNING COMMITTEE

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Pascal Jean
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John Ruckdeschel
Stephania Cormier
N. Maihle

4/16/2019
Special thank you to
Robert Croyle, PhD, Division Director
NIH is the largest public funder of biomedical research in the world, investing more than $32 billion a year to enhance life, and reduce illness and disability.

NIH funded research has led to breakthroughs and new treatments, helping people live longer, healthier lives, and building the research foundation that drives discovery.

WHY ARE WE HAVING THIS WORKSHOP?
All groundbreaking cancer research discoveries start with an idea that needs funding to be put into action. One of NCI’s primary roles is to provide funding for cancer research.

The NCI grants process is similar to the National Institutes of Health (NIH) grants process; it is rigorous and complex to ensure applications proposing promising scientific research projects are evaluated and awarded, and that the results are disseminated to the American public.

The content of the Workshop will be applicable to other Institutes and Centers within the NIH.
NIH FUNDING AT WORK IN LOUISIANA

QUICK FACTS

- NIH awarded $153.0 MILLION in grants and contracts during FY2018 that directly supported 3,167 JOBS and $445 MILLION economic activity in Louisiana.

- The highest annual occurrences of disease deaths in Louisiana are due to CANCER (9,149 lives lost), HEART DISEASE (10,943 lives lost) and CHRONIC LOWER RESPIRATORY DISEASE (2,221 lives lost).

- Top-funded research institutions in Louisiana include:
  - Tulane University of Louisiana
  - Louisiana State University (LSU) Health Sciences Center
  - Louisiana State University (LSU) Pennington Biomedical Research Center
  - Louisiana State University (LSU) A&M College, Baton Rouge
  - Louisiana State University (LSU) Health Sciences Center Shreveport

<table>
<thead>
<tr>
<th>Jobs Supported by NIH Extramural Research</th>
<th>$ Economic Activity Supported</th>
<th>Biopharmaceutical Industry Jobs</th>
<th>Biopharmaceutical Industry Businesses</th>
</tr>
</thead>
<tbody>
<tr>
<td>3,167</td>
<td>$445M</td>
<td>11,512</td>
<td>1,154</td>
</tr>
</tbody>
</table>

LOUISIANA
NIH FUNDING AT WORK
IN MISSISSIPPI

QUICK FACTS

- NIH awarded $50.9 MILLION\(^1\) in grants and contracts during FY2018 that directly supported 1,116 JOBS\(^2\) and $157 MILLION\(^3\) economic activity in Mississippi.

- The highest annual occurrences of disease deaths in Mississippi are due to CANCER (6,568 lives lost), HEART DISEASE (7,865 lives lost) and CHRONIC LOWER RESPIRATORY DISEASE (2,116 lives lost).\(^3\)

- Top-funded research institutions in Mississippi include:\(^1\)
  - University of Mississippi Medical Center
  - University of Mississippi
  - University of Southern Mississippi
  - Mississippi State University
  - Jackson State University
NIH FUNDING AT WORK IN ALABAMA

QUICK FACTS

• NIH awarded $350.7 MILLION¹ in grants and contracts during FY2018 that directly supported 5,384 JOBS² and $826 MILLION² economic activity in Alabama.

• The highest annual occurrences of disease deaths in Alabama are due to CANCER (10,419 lives lost), HEART DISEASE (12,832 lives lost) and CHRONIC LOWER RESPIRATORY DISEASE (3,326 lives lost).³

• Top-funded research institutions in Alabama include:¹
  • University of Alabama at Birmingham
  • Hudson-Alpha Institute for Biotechnology
  • Southern Research Institute
  • University of Southern Alabama
  • Auburn University

ALABAMA

4/16/2019
WHO ARE WE?
Collaboration: The Key to the Cure
The Consortium

- Established in 2002 by State Legislature Special Session
- The Partners
  - LSU Health, New Orleans
  - Tulane Health Sciences Center
  - Xavier University (2007)
  - Ochsner Health System (2009)
- Tobacco-Free Living
- Dedicated Funding: Tobacco Health Care Fund
LCRC Research

- $23.6M in FY18
- $12M in NCI Funding
- 80% of Cancer Research
- $355M since 2002

LOUISIANA CANCER RESEARCH CENTER
Cancer in Louisiana

- 2nd Leading Cause of Death
- Over 25,000 New Cases

Common Cancers with Highest Incidence Rate\(^\#, 1\) in Louisiana, 2010-2014

<table>
<thead>
<tr>
<th>Cancer Type</th>
<th>Incidence Rate</th>
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<tbody>
<tr>
<td>Prostate (Male)</td>
<td>144.4</td>
</tr>
<tr>
<td>Breast (Female)</td>
<td>123.2</td>
</tr>
<tr>
<td>Lung &amp; Bronchus</td>
<td>70.5</td>
</tr>
<tr>
<td>Colon &amp; Rectum</td>
<td>47.6</td>
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<tr>
<td>Breast (In situ) (Female)</td>
<td>25.2</td>
</tr>
<tr>
<td>Kidney &amp; Renal Pelvis</td>
<td>21.6</td>
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<tr>
<td>Non-Hodgkin Lymphoma</td>
<td>20</td>
</tr>
<tr>
<td>Uterus (Corpus &amp; Uterus, NOS) (Female)</td>
<td>19.1</td>
</tr>
<tr>
<td>Bladder</td>
<td>18.8</td>
</tr>
<tr>
<td>Childhood (Age &lt;20, All Sites)</td>
<td>16.4</td>
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</tbody>
</table>

\(^\#\) Included all invasive cases and bladder in situ cases except squamous cell carcinoma of skin.

\(^1\) Based on Surveillance, Epidemiology, and End Results Program data.
# Health Rankings

<table>
<thead>
<tr>
<th>Rank</th>
<th>State</th>
<th>Low Infant Mortality Rate</th>
<th>Low Mortality Rate</th>
<th>Low Obesity Rate</th>
<th>Low Smoking Rate</th>
<th>Low Suicide Rate</th>
<th>Mental Health</th>
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<tr>
<td>1</td>
<td>California</td>
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<td>2</td>
<td>4</td>
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<td>40</td>
<td>South Carolina</td>
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</table>

4/16/2019
WE ARE PUBLIC HEALTH
To advance the public's health and well being through education, research & service with a focus on issues affecting Louisiana
Mission

To advance the public’s health and well-being through education, research and service, with a focus on issues affecting Louisiana.
Helping the Population

- Louisiana Tumor Registry
- Louisiana Cancer Prevention and Control Programs
- Louisiana Breast and Cervical Cancer Program
- Louisiana Colon Cancer Roundtable
- Tobacco Control Initiative
Cancer Research

- Gene-Gene Interactions and Their Functional Roles in Prostate Cancer Aggressiveness
- Exploration of Obesity Risk for Cancer Prevention
- North Carolina – Louisiana Prostate Cancer Projects
- Pancreatic cancer in Acadians: Gene-environment interaction
- Ethnic Disparities in Anxiety and Depression Among Cancer Survivors
- Chemoprevention of Gastric Dysplasia
- Patterns of Care Studies
Education Plan

Critical mass ~350 students

- MPH/PhD
- Undergraduate
- Dual-Degree
  - MD
  - MSW
  - DVM
  - 3+2
AGENDA

Wednesday
- Fundamentals
- Scientific Rigor
- R01 Grantsmanship Strategies
- Review of Funded R01s
- Open Mic

Thursday
- Human Research Protocols/Ethical Issues
- Mock Review
- Responding to Review and Resubmission
- Discussion
- 1 on 1

Friday
- Roundtable with Dr. Bob Croyle and Program Directors
- NCI Funding

4/16/2019
Patricia Arteaga, Research Manager, Office of Research in Public Health, LSU School of Public Health

Dean Smith, Dean LSU School of Public Health

Augusto Ochoa, Director, Stanley S. Scott Cancer Center, Co-Director LCRC
Lucio Miele, Chair, Department of Genetics, LSU School of Medicine
Richard L. Granen, Senior Business Manager, Stanley S. Scott Cancer Center
Barbara Landrum, Grants and Contracts Specialist, Stanley S. Scott Cancer Center

Sven Davisson, Chief Administrative Officer/Interim CEO, LCRC

THANK YOU!
MARK ALEXANDER
PUBLIC HEALTH ADVISOR
OFFICE OF THE DIRECTOR
DIVISION OF CANCER CONTROL AND POPULATION SCIENCES
NATIONAL CANCER INSTITUTE