

# Health Sciences Research Days 2017 Award Winners

*A. Health Sciences Research Days Award for Excellence in Research and Presentation by a **Graduate Student***

**Nicholas Pashos**

Center for Stem Cell Research and Regenerative Medicine  
School of Medicine

CHARACTERIZATION OF A BIOLOGICALLY DERIVED GRAFT FOR NIPPLE-AREOLAR COMPLEX RECONSTRUCTION

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*B. Health Sciences Research Days Award for Excellence in Research and Presentation by a **Postdoctoral Fellow***

**Zhuolin Qu**

Mathematics  
School of Science & Engineering

MODELING THE MITIGATION OF ZIKA AND CHIKUNGUNYA BY INFECTING MOSQUITOES WITH WOLBACHIA BACTERIA

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*C. Dean of the School of Medicine Award for Excellence in Research and Presentation by a **Medical Student***

**Michael Strong**

Pathology & Laboratory Medicine  
School of Medicine

A COMPREHENSIVE NEXT GENERATION SEQUENCING-BASED VIROME ASSESSMENT IN BRAIN TISSUE SUGGESTS NO MAJOR VIRUS-TUMOR ASSOCIATION

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*D. Dean of the School of Medicine Award for Excellence in Research and Presentation by a **Resident or Fellow***

**Zahra Barabadi**

Cardiology

School of Medicine

DISRUPTING TUMOR-HOST COMMUNICATION, AN EFFECTIVE APPROACH TO CONTROL GLIOBLASTOMA DEVELOPMENT

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*E. Dean of the School of Public Health and Tropical Medicine Award for Excellence in Research and Presentation by a **Public Health Masters Student***

**Raven Worthy**

Department of Tropical Medicine

School of Public Health & Tropical Medicine

THE USE OF XENODIAGNOSIS TO EVALUATE TREATMENT EFFICACY IN A MOUSE MODEL OF LYME DISEASE

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*F. Dean of the School of Public Health and Tropical Medicine Award for Excellence in Research and Presentation by a **Public Health Doctoral Student***

**Stephen Murphy**

Global Environmental Health Sciences

School of Public Health & Tropical Medicine

RESILIENCE NOT MET: PRELIMINARY CHARACTERIZATION OF UNIVERSITY CAMPUS PREPAREDNESS HIGHLIGHTS LACK OF COMPREHENSIVE STANDARDS

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*G. Dean of the School of Science and Engineering Award for Excellence in Research and Presentation by a **Graduate Student***

**Kevin Pollard**

Neuroscience Program

School of Science & Engineering

PREVIOUS EXPOSURE TO ESTRADIOL IN OVARIECTOMIZED FEMALE MICE RESULTS IN LASTING MEMORY ENHANCEMENT AND MAINTENANCE OF ESTROGEN RECEPTORDEPENDENT GENE TRANSCRIPTION IN THE HIPPOCAMPUS.

*H. Dean of the School of Science and Engineering Award for Excellence in Research and Presentation by an **Undergraduate Student***

**Kaeli Vandemark**

Neuroscience Program

School of Science & Engineering

AGE-DEPENDENT ALTERATIONS IN CORTICAL DENDRITIC SPINE DYNAMICS FOLLOWING WHISKER STIMULATION

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## Specialty Awards:

- 1. Michael A. Gerber Prize for Research in Molecular and Cellular Biology sponsored by the **Dr. and Mrs. Michael A. Gerber Memorial Fund***

**Harrison Penrose**

Pathology & Laboratory Medicine

School of Medicine

HIGH-FAT DIET INDUCED LEPTIN AND WNT EXPRESSION: RNA-SEQUENCING AND PATHWAY ANALYSIS OF MOUSE COLONIC TISSUE AND TUMORS

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**2. Award for Cancer Research sponsored by the *Tulane Cancer Center*:**

**Andrew Gabrielson**

Urology

School of Medicine

THE IMPACT OF ADJUVANT RADIATION THERAPY BEFORE OR AFTER ARTIFICIAL URINARY SPHINCTER PLACEMENT: A MULTI-INSTITUTIONAL ANALYSIS

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**3. Award for Research in Infectious Diseases sponsored by the *Tulane National Primate Research Center***

**Sathisha Upparahalli Venkateshaiah**

Pulmonary Diseases

School of Medicine

REGULATORY EFFECTS OF INTERLEUKIN (IL)-15 ON ALLERGEN-INDUCED AIRWAY OBSTRUCTION

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**4. Award for Research in Stem Cell Research and Regenerative Medicine sponsored by the *Tulane Center for Stem Cell Research and Regenerative Medicine***

**Rachel Sabol**

Center for Stem Cell Research and Regenerative Medicine

School of Medicine

ADIPOSE STEM CELLS FROM OBESE INDIVIDUALS PROMOTE METASTASIS OF BREAST CANCER PATIENT DERIVED XENOGRAFT

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**5. *Award for Excellence in Research and Presentation by a 4th Year DeBakey Scholar sponsored by the Dean of the School of Medicine***

**Dominique Monlezun**

Goldring Center for Culinary Medicine

School of Medicine

ARTIFICIAL INTELLIGENCE-BASED HEALTH SYSTEM OPTIMIZATION WITH CULINARY MEDICINE: MULTI-SITE 5-YEAR COHORT STUDY WITH NESTED RANDOMIZED TRIALS OF 3,082 PATIENTS AND MEDICAL TRAINEES AND PROFESSIONALS

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**6. *Award for Research in Women's Health and Sex Differences in Cardiovascular and Related Diseases sponsored by the Tulane BIRCWH Program***

**Margaret Zimmerman**

Pharmacology

School of Medicine

BAZEDOXIFENE INDUCES GREATER VASCULAR RESPONSES THAN ESTRADIOL INDEPENDENT OF SEX AND GPER

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**7. *Award for Research in Sustainable and Healthy Communities sponsored by the Bywater Institute***

**Zach Lenane**

Epidemiology

School of Public Health & Tropical Medicine

POSTTRAUMATIC STRESS DISORDER ASSOCIATED WITH HURRICANE KATRINA PREDICTS INCIDENT CARDIOVASCULAR DISEASE EVENTS AMONG ELDERLY COMMUNITY-DWELLING ADULTS

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***8. Award for Research in Neuroscience Sponsored by the Tulane Brain Institute***

**Katelyn Black**

Neuroscience Program

School of Science & Engineering

PREVIOUS MIDLIFE ESTRADIOL TREATMENT RESULTS IN LONG-TERM MAINTENANCE OF HIPPOCAMPAL ESTROGEN RECEPTOR ALPHA LEVELS IN OVARECTOMIZED RATS: MECHANISMS AND IMPLICATIONS FOR MEMORY.