Surgery Research Conference

September 13, 2017
Introduction to Division of Research
Leadership Team

Krissa Packard, MS, CCRC
Gwen Lomberk, PhD
Lizzy Schneidler
Mission Statement

To advance the careers of research-intensive faculty, enhance the department culture of academic achievement, foster interdepartmental and inter-institution collaboration, and facilitate the resident research program (scholastic, academics)
Research Highlights
2017 We Care Fund Grant Recipients

T. Clark Gamblin, MD, MS, MBA, Associate Professor and Chief, Division of Surgical Oncology
Pre-Clinical Efficacy of Combined Therapy with Novel MitochondrialTargeted and Glycolysis Inhibitor in Hepatocellular Carcinoma

Viktor Hraska, MD, PhD, Professor and Chief, Pediatric Congenital Cardiac Surgery
Optimizing Cardiopulmonary Bypass to Support Cerebral and Somatic Perfusion During Aortic Arch Reconstruction

Amanda L. Kong, MD, MS, FACS, Associate Professor, Division of Surgical Oncology
Mitochondrial Telomerase as Regulator of Mitochondrial Damage and Secondary Messengers in Chemotherapy Induced Microvascular Dysfunction
Clinical Trials

A Randomized Controlled Clinical Trial of Thymoglobulin and Extended Delay of Calcineurin Inhibitor Therapy for Renal Protection after Liver Transplantation: A Multi-Center Study
PI: Michael Zimmerman, MD, FACS
Sponsor: Cleveland Clinic Foundation/Sanofi

A Phase 3 Study to Compare the Efficacy and Safety of Humacyte's Human Acellular Vessel with that of an Autologous Arteriovenous Fistula in Subjects with End-Stage Renal Disease.
PI: Allan Roza, MD
Sponsor: Humacyte

A Prospective, Randomized, Multicenter Clinical Trial to Evaluate the Safety and Efficacy of the HeartAssist 5 VAD System Compared to the HeartMate II VAD and HVAD for Left Ventricular Support in Patients Awaiting Cardiac Transplantation (IRB approved pending contract)
PI: Lyle Joyce, MD, PhD
Sponsor: ReliantHeart
Multi-institutional Collaborations

Multi-institutional Trial of Non-operative Management of Appendicitis
PI: Dave Lal, MD
Sponsor: Nationwide Children’s Hospital

Dave Lal, MD is site PI on a study of treatment for acute appendicitis funded by PCORI, in collaboration with Nationwide Children’s Hospital and 10 other academic medical centers in the United States. Study treatments are selected based on family preference; options are antibiotic therapy or surgery to remove the appendix. This study is particularly interesting to CHW patients because appendicitis is one of our most commonly treated surgical diseases.

Gastroschisis Outcomes of Delivery (GOOD) Study
PI: Amy Wagner, MD

Amy Wagner, MD is international PI on a study of timing for delivery of gastroschisis. Our site serves as data coordinating center and IRB of record for over 20 participating sites across North America. This study is the largest of its kind studying gastroschisis (enrolling 800 mother and fetus/neonate pairs), and leverages our collaboration with other premier North American fetal centers (NAFTNet).
Grants Awarded

**NIH-NCI R01 grant**: Racism, residential racial segregation, and breast cancer survival disparities among Black, Hispanic and non-Hispanic White Women

**PI**: Kirsten Beyer, PhD, Co-Investigator: Tina Yen, MD, MS Professor, Division of Surgical Oncology, start date May 1, 2017

**NIH-NIDDK R01 grant**: Role of NgBR in Hepatic Steatosis

**PI**: Robert Miao, PhD, Associate Professor, Division of Pediatric Surgery, start date April 1, 2017
Summer Medical Student Accomplishments

Division of Congenital Heart Surgery

41st Annual Midwest Pediatric Cardiology Society Meeting in St. Louis, 9/12-9/13


Oral Presentation: Jaclyn Gelling (PI: Dr. Woods) Return to Cardiopulmonary Bypass (CPB) after the Norwood Procedure and Implication for Outcomes

Oral Presentation: Zach Selzler (PI: Dr. Woods) Factors Contributing to Increased Mortality in Higher Risk-Stratified Congenital Heart Surgery Patients

Oral Presentation: Sai-Suma Samudrala (PI: Dr. Aoy Mitchell) Patient-specific induced pluripotent stem cells to model Ebstein’s anomaly (EA) with left ventricular non-compaction (LVNC)


Manuscripts Recently Accepted

Yen TWF, Laud PW, Pezzin LE, McGinley EL, Wozniak E, Sparapani R, Nattinger AB. Prevalence and consequences of axillary lymph node dissection in the era of sentinel lymph node biopsy for breast cancer. Accepted to Medical Care, September 2017

Walden D, Kunnimalaiyann S, Sokolowski K, Gamblin TC, Kunnimalaiyaan M. Antiproliferative and apoptotic effect of xanthohumol in Cholangiocarcinoma. Accepted to Oncotarget.
Introductions

Please introduce yourself and tell us a little bit about your research interests.
Meeting Format Discussion

What would you like to see at these meetings?
Biostatistics Consulting Service

Department has held agreement with MCW Biostatistics Consulting Service for one year to provide statistical support.

We would like to hear your feedback on this service as we plan for the next year. Please look for a survey that will be distributed shortly.
# Upcoming Research Events

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
<th>Location</th>
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<tbody>
<tr>
<td>September 15</td>
<td>Department Fall Research Symposium</td>
<td>Helfaer Auditorium</td>
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<tr>
<td>12 - 4 pm</td>
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<tr>
<td>September 21</td>
<td>Peter Bailey, MIP, PhD Lee Endowed Chair Candidate Presentation</td>
<td>1st Floor HRC Auditorium</td>
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<td>9 am</td>
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<tr>
<td>October 13</td>
<td>Midwest Pancreatic Cancer Scientific Research Conference</td>
<td>University Club of Chicago</td>
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<tr>
<td>November 3-4</td>
<td>Wisconsin Surgical Society Annual Conference</td>
<td>The American Club, Kohler</td>
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# 2017 Fall Research Symposium

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<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
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<tbody>
<tr>
<td>12:00-1:20 PM</td>
<td>Quick Shot Presentations (CT/MIGS/Colorectal)</td>
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<tr>
<td><strong>Session 1</strong></td>
<td>Mirza Baig, MD</td>
<td>Steven Zhou</td>
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<td></td>
<td>Jacqueline Blank, MD</td>
<td>Jacob Patz</td>
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<td>Brian Kurtz</td>
<td>Daniel Roadman</td>
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<td>Claude G. Nganzeu</td>
<td>Ashley Villard</td>
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<tr>
<td>1:20-1:30 PM</td>
<td>Break</td>
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<tr>
<td>1:30-2:40 PM</td>
<td>Quick Shot Presentations (Trauma/Pediatrics)</td>
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<tr>
<td><strong>Session 2</strong></td>
<td>Ruchi Amin, MD</td>
<td>Alexis Bowder, MD</td>
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<td>Brandon Free</td>
<td>Ben Stultz</td>
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<td>Jaclyn Gellings</td>
<td>Caitlin Moore</td>
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<td>Kaylee Bishop</td>
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<td>2:40-2:50 PM</td>
<td>Break</td>
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<tr>
<td>2:50-3:50 PM</td>
<td>Quick Shot Presentations (Surgical Oncology/MIGS)</td>
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<tr>
<td><strong>Session 3</strong></td>
<td>Chad Barnes, MD</td>
<td>Lindsey Clark, MD</td>
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<td>Zoe Morgan</td>
<td>Zia Kanani</td>
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<td>Neil Jariwalla</td>
<td>Joseph Helm, MD</td>
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The Division of Research would like to introduce:

Peter Bailey, MIP, PhD

Pancreatic Cancer: Genomes to Therapy

Thursday, September 21st
9:00 a.m. – 10:00 a.m.
Location: 1st Floor HRC Auditorium

Questions? eschneidler@mcw.edu
## Funding Opportunities: Upcoming Due Dates

<table>
<thead>
<tr>
<th>Source</th>
<th>Award</th>
<th>Due Date</th>
<th>Amount</th>
<th>Comments/Requirements</th>
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<tbody>
<tr>
<td>MCW Office of the Dean</td>
<td>Faculty Vitality Award</td>
<td>Jan 2018</td>
<td>TBA</td>
<td>6 or more yrs of full effort</td>
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<td>Central Surgical Assoc. Foundation</td>
<td>Enrichment Award</td>
<td>Jan 19, 2018</td>
<td>$20K</td>
<td>Assoc members, special consideration for not yet federally funded</td>
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<tr>
<td>NIH</td>
<td>R03</td>
<td>Feb 16, 2018</td>
<td>50K/yr x 2 yrs</td>
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<td>MCW Research Affairs Committee</td>
<td>RAC New Faculty Pilot Award</td>
<td>Mar 2018</td>
<td>$25K/1 yr</td>
<td>Within 4 yrs of 1st appt at MCW</td>
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Next Meeting: October 11, 5-6 pm
Dept. of Surgery Condon Conference Room 3509

“What can GSPMC do for your Research in Surgery”

Raul Urrutia, MD
Director, Genomic Sciences and Precision Medicine Center (GSPMC)
Warren P. Knowles Endowed Chair of Genomics and Precision Medicine