The Division of Academic Affairs serves the mission of Our Lady of the Lake to provide high-quality, compassionate care for those most in need through a commitment to physician training, clinical and educational research, and organizational support.

“Advancing care for the patients of today… and tomorrow”
Growing a Legacy of Service

I am pleased and honored to share our 2015 Division of Academic Affairs Annual Report. Our Lady of the Lake Regional Medical Center (OLOL), a member of the Franciscan Missionaries of Our Lady Health System and the largest hospital in the state, has over the last decade transitioned from a large community hospital to a growing independent academic medical center. This transition, which was accelerated through a unique public-private partnership with the state, ushered in expanded focus on graduate medical education as well as academic and clinical research. Our Lady of the Lake is a major academic partner of Louisiana State University School of Medicine in New Orleans and a participating site for Tulane University School of Medicine, and it now serves as a clinical teaching site for 24 residency programs and fellowships – including the Our Lady of the Lake-sponsored Pediatric Residency Program and Patient Safety and Clinical Quality Improvement fellowship.

Our team members have worked tirelessly over the last year to nurture and develop academics at Our Lady of the Lake in order to honor our expanded mission of education and service. These efforts have led to successes in teaching and learning, in quality improvement and scholarly work, and – most importantly – in impacting our organizational and regional communities for the better. As we continue on our journey towards an academic center of excellence, I am encouraged by our team’s demonstrated commitment to quality as well as quantity. Quality of the educational experiences. Quality of care. Quality in scholarly work. We look forward to strengthening this shared commitment to academics and to the compassionate care of patients, particularly those most in need.

Sincerely,

Laurinda Calongne, EdD
Chief Academic Officer
Designated Institutional Officer

Graduate Medical Education Office of Research

Graduate Medical Education

The Graduate Medical Education (GME) department supports fellows, residents, and students from Louisiana State University, Tulane, and Our Lady of the Lake-sponsored programs as they join in the commitment to patient care provided at Our Lady of the Lake Regional Medical Center.

Office of Research

The Office of Research supports academic faculty, residents, and staff investigators as they explore and conduct research and evidence-based practice initiatives at Our Lady of the Lake and partner Franciscan Missionaries of Our Lady Health System hospitals.

Grants Office

The Grants Office provides support in the acquisition and administration of federal, state and private grants, while balancing the mission of Our Lady of the Lake and the regulatory compliance requirements of grant sponsors.
Education Programs

Education is the central mission of the Division of Academic Affairs. We endeavor to serve the needs of our hospital community by preparing residents and students to be responsible, compassionate individuals, sensitive to the needs of patients and dedicated to a continuous learning experience.

Quality medical care is best delivered in an atmosphere conducive to teaching and learning.

Twenty-four programs have selected Our Lady of the Lake – now the 4th largest teaching hospital in the State of Louisiana – as a teaching site for their learners. The growing presence of medical education on our campus contributes to the environment of Earl K. Long. In her role as a critical care nurse educator at Our Lady of the Lake, she developed an appreciation for the benefits of simulation-based education within healthcare. “In our simulation lab, we support learners in everything ranging from technical skills (for example, surgery residents practicing procedural techniques using task trainers), to physicians practicing soft skills (for example, pediatric residents attempting to resuscitate using a sim baby), to physicians practicing soft skills (for example, residents simulating difficult conversation with patients and families).” Debra provides dynamic support to our team of educators and learners engaged in simulation exercises, shifting roles between that of a patient, a family member, a nurse or other practitioner, or simply an observer to make sure that the experience is successful.

Debra, a critical-care nurse by training, joined the Lake after the closure of Earl K. Long. In her role as a critical care nurse educator at Our Lady of the Lake, she developed an appreciation for the benefits of simulation-based education within healthcare. “In our simulation lab, we support learners in everything ranging from technical skills (for example, surgery residents practicing procedural techniques using task trainers), to physicians practicing soft skills (for example, pediatric residents attempting to resuscitate using a sim baby), to physicians practicing soft skills (for example, residents simulating difficult conversation with patients and families).” Debra provides dynamic support to our team of educators and learners engaged in simulation exercises, shifting roles between that of a patient, a family member, a nurse or other practitioner, or simply an observer to make sure that the experience is successful.

Education

Innovative Education through Simulation

The Simulation Center, located in the Louisiana State University Medical Education and Innovation Center on Our Lady of the Lake’s campus, provides innovative training opportunities to residents and medical students in the Louisiana State University and Our Lady of the Lake training programs. In the last year, Debra Pogue, RN, joined the DAIA team in the role of Simulation Lab Manager. Debra, under the leadership of Lab Director Dr. Tomp Jagneaux from the Louisiana State University Internal Medicine program, provides administrative support for the center as well as takes a very active role in supporting and educating learners from across the Our Lady of the Lake-based programs.

Debra, a critical-care nurse by training, joined the Lake after the closure of Earl K. Long. In her role as a critical care nurse educator at Our Lady of the Lake, she developed an appreciation for the benefits of simulation-based education within healthcare. “In our simulation lab, we support learners in everything ranging from technical skills (for example, surgery residents practicing procedural techniques using task trainers), to physicians practicing soft skills (for example, pediatric residents attempting to resuscitate using a sim baby), to physicians practicing soft skills (for example, residents simulating difficult conversation with patients and families).” Debra provides dynamic support to our team of educators and learners engaged in simulation exercises, shifting roles between that of a patient, a family member, a nurse or other practitioner, or simply an observer to make sure that the experience is successful.

Debra, a critical-care nurse by training, joined the Lake after the closure of Earl K. Long. In her role as a critical care nurse educator at Our Lady of the Lake, she developed an appreciation for the benefits of simulation-based education within healthcare. “In our simulation lab, we support learners in everything ranging from technical skills (for example, surgery residents practicing procedural techniques using task trainers), to physicians practicing soft skills (for example, pediatric residents attempting to resuscitate using a sim baby), to physicians practicing soft skills (for example, residents simulating difficult conversation with patients and families).” Debra provides dynamic support to our team of educators and learners engaged in simulation exercises, shifting roles between that of a patient, a family member, a nurse or other practitioner, or simply an observer to make sure that the experience is successful.

Debra, a critical-care nurse by training, joined the Lake after the closure of Earl K. Long. In her role as a critical care nurse educator at Our Lady of the Lake, she developed an appreciation for the benefits of simulation-based education within healthcare. “In our simulation lab, we support learners in everything ranging from technical skills (for example, surgery residents practicing procedural techniques using task trainers), to physicians practicing soft skills (for example, pediatric residents attempting to resuscitate using a sim baby), to physicians practicing soft skills (for example, residents simulating difficult conversation with patients and families).” Debra provides dynamic support to our team of educators and learners engaged in simulation exercises, shifting roles between that of a patient, a family member, a nurse or other practitioner, or simply an observer to make sure that the experience is successful.

Debra, a critical-care nurse by training, joined the Lake after the closure of Earl K. Long. In her role as a critical care nurse educator at Our Lady of the Lake, she developed an appreciation for the benefits of simulation-based education within healthcare. “In our simulation lab, we support learners in everything ranging from technical skills (for example, surgery residents practicing procedural techniques using task trainers), to physicians practicing soft skills (for example, pediatric residents attempting to resuscitate using a sim baby), to physicians practicing soft skills (for example, residents simulating difficult conversation with patients and families).” Debra provides dynamic support to our team of educators and learners engaged in simulation exercises, shifting roles between that of a patient, a family member, a nurse or other practitioner, or simply an observer to make sure that the experience is successful.

Debra, a critical-care nurse by training, joined the Lake after the closure of Earl K. Long. In her role as a critical care nurse educator at Our Lady of the Lake, she developed an appreciation for the benefits of simulation-based education within healthcare. “In our simulation lab, we support learners in everything ranging from technical skills (for example, surgery residents practicing procedural techniques using task trainers), to physicians practicing soft skills (for example, pediatric residents attempting to resuscitate using a sim baby), to physicians practicing soft skills (for example, residents simulating difficult conversation with patients and families).” Debra provides dynamic support to our team of educators and learners engaged in simulation exercises, shifting roles between that of a patient, a family member, a nurse or other practitioner, or simply an observer to make sure that the experience is successful.

Debra, a critical-care nurse by training, joined the Lake after the closure of Earl K. Long. In her role as a critical care nurse educator at Our Lady of the Lake, she developed an appreciation for the benefits of simulation-based education within healthcare. “In our simulation lab, we support learners in everything ranging from technical skills (for example, surgery residents practicing procedural techniques using task trainers), to physicians practicing soft skills (for example, pediatric residents attempting to resuscitate using a sim baby), to physicians practicing soft skills (for example, residents simulating difficult conversation with patients and families).” Debra provides dynamic support to our team of educators and learners engaged in simulation exercises, shifting roles between that of a patient, a family member, a nurse or other practitioner, or simply an observer to make sure that the experience is successful.

Debra, a critical-care nurse by training, joined the Lake after the closure of Earl K. Long. In her role as a critical care nurse educator at Our Lady of the Lake, she developed an appreciation for the benefits of simulation-based education within healthcare. “In our simulation lab, we support learners in everything ranging from technical skills (for example, surgery residents practicing procedural techniques using task trainers), to physicians practicing soft skills (for example, pediatric residents attempting to resuscitate using a sim baby), to physicians practicing soft skills (for example, residents simulating difficult conversation with patients and families).” Debra provides dynamic support to our team of educators and learners engaged in simulation exercises, shifting roles between that of a patient, a family member, a nurse or other practitioner, or simply an observer to make sure that the experience is successful.

Debra, a critical-care nurse by training, joined the Lake after the closure of Earl K. Long. In her role as a critical care nurse educator at Our Lady of the Lake, she developed an appreciation for the benefits of simulation-based education within healthcare. “In our simulation lab, we support learners in everything ranging from technical skills (for example, surgery residents practicing procedural techniques using task trainers), to physicians practice...
Education Footprint

As medical education continues to grow at Our Lady of the Lake, we celebrate both the increasing talent pool from which we draw our trainees as well as the outstanding continued training opportunities that our graduates are successfully pursuing.

Residents have matched into our Lake-based training programs from all over the country, invigorating the cultural fabric of our healthcare teams and expanding the footprint of Our Lady of Lake as an identifiable academic medical center.

Celebrating 10 Years of LSU-ENT at OLOL

The Louisiana State University Department of Otolaryngology-Head and Neck Surgery, founded in 1931 as one of the charter surgical departments in the newly created Louisiana State University School of Medicine in New Orleans, underwent a major programmatic transformation in 2005 as a result of Hurricane Katrina.

Transferring to a regional approach to ENT training and care in South Louisiana, the program partnered with Our Lady of the Lake Regional Medical Center to become one of its core training sites. This collaboration, now celebrating its 10th year, has marked the beginning of graduate medical education at Our Lady of the Lake and has provided a model of excellence for our growing partnership with LSU Health Sciences Center.

Additionally, the Louisiana State University Neurotology Fellowship at Our Lady of the Lake, an ACGME-accredited and highly-specialized training program for ENT surgeons, successfully matched its 2nd fellow since the program’s creation in 2012.

Our Lady of the Lake: A Destination for Training

Dr. Hunter Hamilton, a native of Beaumont, Texas, joined the Our Lady of the Lake Pediatric Residency Program in 2014 after graduating from Texas Tech University Health Science Center Medical School and Texas A&M University. Dr. Hamilton pursued training at the Lake’s Pediatric Residency Program because of its location, its supportive culture, and because of the positive growth of the program in just a few years of operation. Dr. Hamilton was also drawn to the program’s unique Primary Care training track, though he has subsequently developed a deep interest in inpatient pediatrics thanks to the different diagnoses and patient diversity that he’s been exposed to at Our Lady of the Lake. After residency, he plans to pursue a Pediatric Inpatient Fellowship with hopes to practice in an academic medical center in the region.

A Legacy of Care: Louisiana State University Internal Medicine

Honor the continued mission of producing highly-skilled physicians that remain in Louisiana beyond residency, the Louisiana State University Internal Medicine program in Baton Rouge has trained 145 currently practicing physicians in the state (76% of program graduates). This remarkable footprint – one of legacy and service – continues to grow under the LSU-OLOL collaborative. In doing so, it honors the shared commitment of Louisiana State University and Our Lady of the Lake: to build healthier communities in Louisiana through excellence in patient care and education.
The Pediatric Residency Program is directed by Alston E. (Trey) Dunbar III, M.D., who is supported in his leadership role by two Associate Program Directors (Roberta Vicari, M.D., who coordinates community engagement and advocacy projects, while also leading the Primary Care Program; and Scott Williams, M.D., who maintains a busy clinical practice in Nephrology and focuses his program leadership efforts on resident performance, board preparation and curriculum matters, while also chairing the Clinical Competency Committee).

Dr. Trey Dunbar, Pediatric Residency Program director, and his interdisciplinary team from DAA, Pediatrics, the Physician Group, and Our Lady of the Lake Quality Department extended the award-winning work of the AIAMC team by examining the impact of a patient-safety-focused, educational intervention program on physician effort reporting. This follow-up work also received national attention, winning the 2015 Quality Award from the Association of Pediatric Program Directors at their annual meeting.

Key Successes:

- A unique and innovative feature of the residency program is an integrated Primary Care Program, the development of which has been supported by a Health Resources and Services Administration (HRSA) grant. The Primary Care Program functions as a “track” within the core residency and enables three residents per year to pursue a modified curriculum that includes extended rotations in one of several participating community sites, with a goal of fully embedding the participating residents in a community practice environment.

- Faculty and residents were responsible for 51 scholarly works for the last academic year. This reflects a 12.5% increase in productivity from last year and includes 19 regional presentations, 20 national presentations, 4 international presentations, and 8 peer reviewed publications.

- Child and family advocacy is an important component of the pediatric curriculum. There were 24 separate resident-driven advocacy projects during the year. Projects ranged from provision of support for minorities in medicine, state camps for children with chronic health conditions and grand funded projects aimed at health of children (food insecurity, obesity, and stress).

- In keeping with the FMOL Sisters’ legacy of caring for the sick in developing countries, the pediatric residents expressed an interest in international health experiences. The Pediatric Residency Program made significant progress this year under the leadership of Dr. Amy Wood. Dr. Wood continues to develop the Global Health track and is leveraging her significant global health experience to develop curricular components. The first global health experience was formed between the “Jungle Hospital of Honduras” and Our Lady of the Lake Regional Medical Center.

- In the last year, graduates of the Pediatric Residency Program successfully matched in a number of prestigious fellowships including:
  - Neonatology — University of Maryland
  - Adolescent Medicine — Cincinnati Children’s
  - Adolescent Medicine — University of Indiana
  - Pulmonology — University of North Carolina – Chapel Hill and Emory University
  - Global Health — Children’s Hospital of Philadelphia
  - Pediatric Emergency Medicine — Inova Fairfax

- Faculty and residents were responsible for 51 scholarly works for the last academic year. This reflects a 12.5% increase in productivity from last year and includes 19 regional presentations, 20 national presentations, 4 international presentations, and 8 peer reviewed publications.

- Child and family advocacy is an important component of the pediatric curriculum. There were 24 separate resident-driven advocacy projects during the year. Projects ranged from provision of support for minorities in medicine, state camps for children with chronic health conditions and grand funded projects aimed at health of children (food insecurity, obesity, and stress).

- In keeping with the FMOL Sisters’ legacy of caring for the sick in developing countries, the pediatric residents expressed an interest in international health experiences. The Pediatric Residency Program made significant progress this year under the leadership of Dr. Amy Wood. Dr. Wood continues to develop the Global Health track and is leveraging her significant global health experience to develop curricular components. The first global health experience was formed between the “Jungle Hospital of Honduras” and Our Lady of the Lake Regional Medical Center.

- In the last year, graduates of the Pediatric Residency Program successfully matched in a number of prestigious fellowships including:
  - Neonatology — University of Maryland
  - Adolescent Medicine — Cincinnati Children’s
  - Adolescent Medicine — University of Indiana
  - Pulmonology — University of North Carolina – Chapel Hill and Emory University
  - Global Health — Children’s Hospital of Philadelphia
  - Pediatric Emergency Medicine — Inova Fairfax
Our Lady of the Lake Division of Academic Affairs

Quality Improvement and Patient Safety: National Recognition

Our graduate medical education team, including partners from Louisiana State University and Our Lady of the Lake-sponsored programs, recently received national recognition from the Alliance of Independent Academic Medical Centers (AIAMC). Our collaborative project from five of our residency teams won the annual Innovation Award for successes in supporting and integrating patient safety and quality improvement education within the clinical care context.

The purpose of the project was to develop a standardized tool to reinforce residency participation and education in the Our Lady of the Lake patient safety culture and to encourage residency participation in patient safety rounds. The team successfully implemented a text reminder system across the residency programs, which included 149 residents and 32 faculty members from Psychiatry, Surgery, Internal Medicine, Emergency Medicine and Pediatrics. The text prompted faculty and residents to discuss three standard patient-safety related questions while on teaching rounds, and encouraged a “feedback” reply back to project administrators while maintaining strict patient confidentiality. Project leaders and faculty used feedback from the text messages to enhance patient safety conversations during education sessions.

After successful implementation of the test message program, residents reported increased communication, awareness, and frequency of error-reporting by physicians. In addition, 97% of participating faculty reported that they were continuing to incorporate patient safety discussions on rounds after the project’s conclusion. In addition to national recognition by AIAMC, the project team has disseminated their work in multiple publications, national presentations, and workshops.

Dr. Keith Rhynes, Medical Director of Graduate Medical Education and associate program director for LSU General Surgery Residency Program and Louisiana State University Surgery attending, led the GME team that provides oversight over resident clinical activities to ensure continued patient safety. Residents and faculty within the residency programs engaged in more hospital-side quality improvement efforts and RCAs (root-cause analyses) than in previous years.

In collaboration with the Our Lady of the Lake Quality Department and GE partnership, Division of Academic Affairs team members demonstrated a commitment to LEAN thinking by conducting waste walks and other process improvement efforts within the division. These efforts lead to cost savings and more efficient team workflow.

The Division of Academic Affairs continues to lead through its commitment to quality and patient safety education and implementation at Our Lady of the Lake Regional Medical Center.
Impact on Our Community

As academics continues to develop as a core branch of Our Lady of the Lake’s mission to serve those most in need, the impact of our efforts on the community continues to grow.

Programs

<table>
<thead>
<tr>
<th>Programs</th>
<th>Outpatient Encounters</th>
</tr>
</thead>
<tbody>
<tr>
<td>Psychiatry</td>
<td>2,942</td>
</tr>
<tr>
<td>Pediatric</td>
<td>8,200</td>
</tr>
<tr>
<td>Internal Medicine/Medicine Subspecialty</td>
<td>13,076</td>
</tr>
<tr>
<td>Dermatology</td>
<td>6,491</td>
</tr>
<tr>
<td>ENT</td>
<td>2,688</td>
</tr>
<tr>
<td>Ortho</td>
<td>2,358</td>
</tr>
<tr>
<td>General Surgery</td>
<td>3,367</td>
</tr>
<tr>
<td>Ophthalmology</td>
<td>4,869</td>
</tr>
<tr>
<td>Oral Surgery</td>
<td>2,946</td>
</tr>
<tr>
<td>Dentistry</td>
<td>5,245</td>
</tr>
</tbody>
</table>

**TOTAL OUTPATIENT ENCOUNTERS:** 52,082

During the academic year, residents training at Our Lady of the Lake provided care on more than 50,000 patient encounters in the outpatient setting alone.

In the emergency room and inpatient hospital settings where our resident physicians train, they provided care on more than 200,000 patient encounters over the course of the last academic year.

The Center for Psychiatric Services

The Center for Psychiatric Services of the LSU-OLOL Psychiatry Residency Program provides quality outpatient care to members of the Baton Rouge community. Since opening its doors on July 1, 2014, the Center has served an increasing number of patients by providing discounted new patient assessments, medication management, and therapy sessions to those who might otherwise be unable to afford psychiatric care. Furthermore, through faculty collaborations with specialty clinics, the Center connects vulnerable populations in need with appropriate care.

Designed collaboratively with the Psychiatry faculty, the Center provides the facilities and opportunities for both high-quality patient care and top-notch resident education. The Center offers spaces for individual, group, and child therapy, as well as telemedicine capabilities, and residents are trained and supported by faculty (psychiatrists and psychologists) with a range of specialties and interests. The Center provides residents with a unique opportunity to provide continuous outpatient care for up to two years during their training.

"We have all the resources we need to have a first class facility and offer high-quality psychiatric services. I think the clinic is not only an outstanding educational opportunity for our residents but also a gift to the community."

— Kathleen Crapanzano, MD, Assistant Professor of Clinical Psychiatry and Psychiatry Residency Program Director

"The Center for Psychiatric Services has made great strides in addressing the almost endless need of the Baton Rouge community for quality, low-cost mental healthcare by providing discounted services to the under- and uninsured."

— Mark Zielinski, MD, Assistant Professor of Clinical Psychiatry

**Total Hospital Encounters by All Residents:** 205,123

In the emergency room and inpatient hospital settings where our resident physicians train, they provided care on more than 200,000 patient encounters over the course of the last academic year.

The grants office supports the Our Lady of the Lake and Greater Baton Rouge communities in ways both large and small. The above figure depicts grants awarded during the past academic year. These grant-supported efforts range from post-graduate medical education training support to providing vital healthcare for those most in need.

Our Lady of the Lake and Greater Baton Rouge communities have more than 1,800 patients served through our Early Intervention Clinic. Our clinic has served over 1,800 patients in the past two years.

**Our Lady of the Lake Division of Academic Affairs**

**GRANTS AWARDED FOR 2014-2015**

<table>
<thead>
<tr>
<th>Grant Type</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>HRSA Pediatric Primary Care Training</td>
<td>$20,576</td>
</tr>
<tr>
<td>HRSA Ryan White HIV/AIDS Training</td>
<td>$15,000</td>
</tr>
<tr>
<td>Kohl's Care (in support of the Children's Hospital)</td>
<td>$187,697</td>
</tr>
<tr>
<td>Capital One (in support of the Children's Hospital)</td>
<td>$194,580</td>
</tr>
<tr>
<td>City of Baton Rouge (in support of the Children's Hospital)</td>
<td>$1,857,693</td>
</tr>
<tr>
<td>City of Baton Rouge (in support of the Children's Hospital)</td>
<td>$1,439,840</td>
</tr>
</tbody>
</table>

Our Lady of the Lake Division of Academic Affairs

2015 ANNUAL REPORT
Impact on Tomorrow’s Care

The Office of Research, in its mission to explore “tomorrow’s answers with today’s research,” managed 30 clinical trials and oversaw more than 200 open studies over the course of the past academic year. Expanded efforts in clinical research have led to several landmark accomplishments for Our Lady of the Lake, such as the initiation of our first Phase I clinical trial and international recognition as one of the highest enrollers of patients in a Phase III randomized, double-blind-controlled, multi-center clinical trial.

“Clinical research within hospitals is extremely important as it provides treatment options to patients. Educated patients want options. They’re going to go where research is conducted, especially if they have a life threatening disease and they have run out of treatment options.” — Christine LeBoeuf, MSN, RN, OCN, CCRC

Senior Clinical Research Manager

Research in the Division of Academic Affairs also expanded within the residency training programs in the academic year. Dr. Rebecca Horn (Psychiatry) and Dr. Diana Hamer (Internal Medicine) joined the team of Academic Research Directors. Our unique model of embedding research scientists within the academic units has yielded continued year-over-year growth in scholarly output from the Our Lady of the Lake-based programs. In addition, the diverse content expertise of our research directors — ranging from psychology to global health - allows for productive interdisciplinary collaborations across our training programs and across the hospital. Together with the clinical research team, the academic research directors work under the direction of Dr. Bud O’Neal (Medical Director of Research) to support research within Our Lady of the Lake and – increasingly – within the larger health system.

Impact on Tomorrow’s Care

<table>
<thead>
<tr>
<th>Type of Study</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>In-Patient Clinical Trials</td>
<td>5</td>
</tr>
<tr>
<td>Device Trials</td>
<td>3</td>
</tr>
<tr>
<td>Our-patient Clinical Trials</td>
<td>10</td>
</tr>
<tr>
<td>Confidential Agreements Under Review</td>
<td>2</td>
</tr>
</tbody>
</table>

## Clinical Research for 2014-2015

- **30** Clinical Trials
- **105** LSU-HSC Studies
- **204** Open Studies
Hypertension affects approximately 65 million people in the United States, making it one of the most common chronic medical conditions in the country. In a recent study of patients with severe hypertension treated with intravenous antihypertensive drugs in the ED, it was reported that approximately one third of patients returned to the ED within 90 days of the initial visit.

The purpose of this ongoing grant-supported project (Louisiana State University ICON program) is to determine whether measurement of the optic nerve sheath diameter is an effective, noninvasive marker of severe hypertension in individuals at risk for developing complications due to loss of autoregulation and increased cerebral perfusion pressure. The ability to predict which individuals are at risk for developing complications due to severe hypertension would inform physicians about the need for aggressive treatment of these individuals, possibly preventing further damage to the central nervous system due to hypertension and reducing hospital readmissions.

W e recently completed a project with a small biotechnology company, CytoVale, Inc., exploring the feasibility of performing a rapid microfluidic assay early in the course of a patient’s emergency department visit in hopes that this process may lead to an accurate, early diagnostic test for sepsis. We were able to enroll 45 subjects in a short period of time, and although this study was only a pilot exploring feasibility and not efficacy, the results were promising. We have recently received funding from CytoVale, Inc. and IRB approval for a larger study of 400 patients to begin exploring the diagnostic characteristics of a rapid microfluidic assay for the diagnosis of sepsis early in the course of an emergency department visit.”

— Dr. O’Neal

Conducting this kind of work in our emergency room is important because it shows our patients that we are committed to maintaining a high level of evidence-based practice in the care that we provide. And that commitment and engagement on the part of our faculty extends to the rigorous training that our residents receive.”

— Dr. Musso

Our Lady of the Lake Division of Academic Affairs

ACCOMPLISHMENTS FOR AY 2014 - 2015

Peer-reviewed Publications

National Conferences

Regional Conferences

Local Conferences

International Conferences

National Workshop

Accomplishments for Programs with Academic Research Directors

Impact on Tomorrow’s Care

Changes in the healthcare landscape within Baton Rouge have had an impact on the volume of patients seeking care in our emergency department. Despite this increased demand, research faculty from our graduate medical education programs have been able to explore cutting edge research while simultaneously providing high-quality patient care.

The successful treatment of sepsis is predicated on early recognition, with the cornerstones of therapy being early, aggressive hemodynamic support and early, appropriate antibiotic therapy. The early recognition of sepsis is integral in the initiation of aggressive therapy targeted at reversing the physiologic derangements which, if left untreated, often lead to death. Currently, there is no available rapid diagnostic test which can adequately support the diagnosis of sepsis.

Microfluidics is the science of manipulating and analyzing fluids using networks of channels on the micrometer scale. Among the many cellular characteristics which microfluidic analysis can quantify are measures of cellular morphology and structure, including cellular deformability. Recently, technology has advanced such that deformability cytometry can be performed on large populations of cells with very high throughput. Furthermore, researchers have refined the process of deformability cytometry such that it requires minimal preparation and few specialized laboratory personnel.

W e recently completed a project with a small biotechnology company, CytoVale, Inc., exploring the feasibility of performing a rapid microfluidic assay early in the course of a patient’s emergency department visit in hopes that this process may lead to an accurate, early diagnostic test for sepsis. We were able to enroll 45 subjects in a short period of time, and although this study was only a pilot exploring feasibility and not efficacy, the results were promising. We have recently received funding from CytoVale, Inc. and IRB approval for a larger study of 400 patients to begin exploring the diagnostic characteristics of a rapid microfluidic assay for the diagnosis of sepsis early in the course of an emergency department visit.”

— Dr. O’Neal

Conducting this kind of work in our emergency room is important because it shows our patients that we are committed to maintaining a high level of evidence-based practice in the care that we provide. And that commitment and engagement on the part of our faculty extends to the rigorous training that our residents receive.”

— Dr. Musso

Our Lady of the Lake Division of Academic Affairs

2015 ANNUAL REPORT
During the last academic year, I had the pleasure of serving as chief resident for the LSU Internal Medicine Residency Program. I’m preparing to begin my fellowship training in Pulmonary and Critical Care at the University of Virginia. Once my training is complete, I plan to return back to Baton Rouge. I was born and raised here and am proud to call this place home. After graduating from Broadmoor High School, I was fortunate enough to be able to play baseball for the LSU Tigers. Those years taught me many lessons that I have carried with me to this day. People often ask me if playing for Coach Skip Bertman prepared me for the intensity of residency training. Perhaps in some ways it did.

Impact on Our Residents

Ryan Richard, Chief Resident
LSU Internal Medicine Residency Program

Impact on Patients

From Yvonne Stevens, mother of Yvonne Stevens, 17 year old patient

My daughter Yvonne was taken to the Emergency Room at Our Lady of the Lake after a serious motor vehicle accident. She had an obvious jaw fracture in multiple places and was most definitely going to require surgery. As her mother, I was a mess — both mentally and emotionally. I met Dr. Patel as a member of my daughter’s care team and he gave me all of the reassurance I needed to know that my daughter was going to be okay. Dr. Patel gave me peace of mind and brought comfort to me and my daughter on what I believe to be one of the most difficult and scariest days of my life. He explained each step of the jaw surgery and we knew exactly what to expect. After doing an outstanding job on her surgery, he continuously checked on her while in the hospital. He inquired about other injuries even though it was not his job. He went above and beyond and showed true compassion for her.

Our journey with Dr. Patel has continued over the past eight months as we continue to receive care at the Perkins Road clinic. Having him as Yvonne’s doctor has been an experience my family and I will never forget. It was a blessing to have had the pleasure of meeting him and I thank God for putting him in my hands.
The Physician’s Prayer
By Richard Vath, MD

Father of all wisdom and love, may I find:
Patience to listen long enough to hear the needs of those seeking my help,
Wisdom to know the easiest path to diagnosis and treatment,
Perseverance to never lose hope in searching for answers, and
Compassion to feel my patient’s suffering and in so doing, understand that my most difficult task most often lies not in finding the elusive cure but in learning how to carry my patient’s pain.