

A
CELEBRATION
OF
REGENERATION
AND
RENEWAL

PORTRAIT UNVEILING



*Wednesday
December 14, 2016*

Regeneration

LSU Health New Orleans, Neuroscience Center of Excellence

Neuroscience Center of Excellence

Exploring the fundamentals of brain function and discovering novel disease-modifying therapeutic approaches for:

CEREBROVASCULAR DISEASES (e.g. STROKE),

ALZHEIMER'S DISEASE,

PARKINSON'S DISEASE,

AMYOTROPHIC LATERAL SCLEROSIS,

EPILEPSY,

BRAIN TUMORS (GLIOBLASTOMA MULTIFORM),

MENTAL DEPRESSION,

DYSLEXIA,

TRAUMATIC BRAIN INJURY,

LEARNING DISABILITIES,

PAIN: NOVEL ANALGESICS,

SCHIZOPHRENIA,

AGE-RELATED MACULAR DEGENERATION,

RETINITIS PIGMENTOSA, AND

OTHER EYE, NEUROLOGICAL

AND PSYCHIATRIC ILLNESS.

LEADERSHIP

F. KING ALEXANDER
President, LSU System

LARRY H. HOLLIER, MD, FACS, FACC, FRCS (Eng.)
Chancellor of LSU Health Sciences Center, New Orleans

JOSEPH M. MOERSCHBAECHER, III
Vice Chancellor for Academic Affairs,
Dean of School of Graduate Studies

STEVE NELSON, MD, CM, FACP, FCCP
Dean, LSUHSC School of Medicine
John H. Seabury Professor of Medicine

NICOLAS G. BAZAN, MD, PhD
Director, Neuroscience Center of Excellence
Boyd Professor
Ernest C. and Yvette C. Villere Chair of Retinal Degenerations
Professor of Ophthalmology, Neurology, Biochemistry and Molecular Biology

DENISE FLOCK-WILLIAMS
Interim President
LSU Health New Orleans Foundation

December 14, 2016

Dear Friends:

Today we gather to honor eight individuals who have given of their time, talent and resources to help further the goals of the LSU Neuroscience Center of Excellence. Individually they boast impressive records of accomplishment in their own professional fields. Collectively, they represent hope through leadership in their tireless efforts on behalf of civic, charitable and professional organizations at local and national levels. To the LSU Neuroscience Center of Excellence, they have been quiet, yet essential partners in our success.

The LSU Neuroscience Center looks ahead to a bright, promising future. We stay focused on our mission, securing several new grants and advancing research that holds promise as disease-modifying treatments for neurological disease. Ten new technologies remain in various stages of the drug discovery patent and testing process, advancing toward the possibility of approval as new drugs for the treatment of stroke, Alzheimer's disease, blinding eye diseases, pain and other neurological conditions.

The LSU Neuroscience Center stands committed as we work in concert with city, state and national interests to renew our city and regenerate its health sciences research enterprise. On behalf of the Center's exceptional scientists, their teams and all of those who work here, I offer my gratitude to today's honorees. I look forward to continued partnerships as we forge ahead in our efforts to translate scientific discovery into new cures for some of life's most challenging health concerns.

Thank you for your presence here today.

Sincerely,

A handwritten signature in black ink that reads "Nicolas G. Bazan". The signature is written in a cursive, flowing style.

Nicolas G. Bazan, M.D., Ph.D.
Boyd Professor
Ernest C. and Yvette C. Villere Chair for Retinal Degeneration
Director, LSU Neuroscience Center of Excellence

Past Portrait Unveiling Honorees:

November 8, 1999

***Robert S. Daniels, MD
Herbert E. Kaufman, MD
Mervin L. Trail, MD***

October 15, 2001

***Roger W. Beuerman, PhD
David G. Kline, MD
Kenneth E. Kratz, PhD
Paul Nalty
Jayaraman Rao, PhD
Perry G. Rigby, MD***

September 27, 2006

***Donald (Boysie) Bollinger
Ana Ester Gershanik
Leo T. Happel, Jr. PhD
R. Ranney Mize, PhD
Howard J. Osofsky, MD, PhD
P.K. Scheerle, RN
E. Paige Sensenbrenner
Roger D. Smith, MD
Austin J. Sumner, MD
Bert Wallace***

This event recognizes and celebrates contributions of LSU School of Medicine faculty and community leaders to the LSU Neuroscience Center of Excellence

Opening Remarks
Dr. Steve Nelson, Dean, School of Medicine

- *Honorable Late Francis “Hank” Lauricella*
- *Mr. John D. and Mrs. Dorothy S. Charbonnet*
- *The Late Tucker Horace Couvillon, III*
- *Earl J. Rozas, MD*
- *Samuel G. McClugage, PhD*
- *John England, MD*
- *Jack A. Andonie, MD*
- *Larry H. Hollier, MD, FACS, FACC, FRCS*

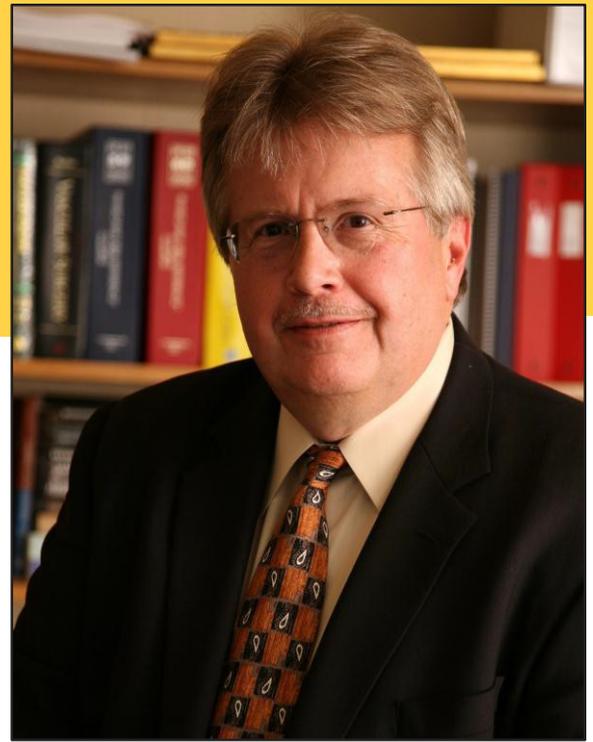
***Date:** Wednesday, December 14, 2016*

***Time:** Tour, hor’douvres and beverages at 2:00 pm
Unveiling will start promptly at 3:00 pm*

***Adjourn:** 5:00 pm*

***Location:** Lions Building, 2020 Gravier Street,
8th Floor Neuroscience Center of Excellence Large Conference Room,
New Orleans, LA 70112*

Steve Nelson, MD, CM, FACP, FCCP
DEAN, LSUHSC SCHOOL OF MEDICINE
JOHN H. SEABURY PROFESSOR OF MEDICINE



After graduating from the State University of New York at Stony Brook with honors, Dr. Steve Nelson earned his medical degree at McGill University where he was a University Scholar. He completed his residency in Internal Medicine at the John Hopkins Hospital as well as a Clinical and Research Fellowship in Pulmonary Medicine and a Fellowship in Environmental Health Sciences at the School of Hygiene and Public Health at the John Hopkins University.

In 1984, Dr. Nelson joined the faculty of the LSU Health Sciences Center in New Orleans where he rapidly rose through the ranks being named Professor of Medicine in 1994, John H. Seabury Professor of Medicine in 1995, and Director of a NIH awarded Comprehensive Alcohol Research Center in 2000. He served as Vice Chair of Research in the department of Medicine and was named Chief of the Section of Pulmonary Medicine in 2005. He was appointed Dean of the Medical School in 2007, and in 2009 he became the President of the LSU Healthcare Network.

Dr. Nelson's major clinical interests include lung immunology, pneumonia, cystic fibrosis, and sepsis. His research interests are primarily directed toward understanding normal immune mechanisms, defining how disease states undermine and disrupt the immune mechanisms, and determining the potential of biological response modifiers, including gene therapy, to provide innovative approaches to both the prevention and treatment of infectious diseases. His research program has been continuously funded since 1981 and has been awarded more than \$40 million in research grants during his career.

Dr. Nelson has authored or co-authored over 225 journal papers, 7 books/monographs, 30 book chapters, 15 audio-visual scientific presentations and over 220 abstracts. He is a Diplomat of the National Board of Medical Examiners, the American Board of Internal Medicine, the American Board of Internal Medicine in Pulmonary Disease, as well as Critical Care Medicine.

LSU HEALTH NEW ORLEANS
Neuroscience Center of Excellence

HONOREES

Honorable Late Francis E. “Hank” Lauricella

FOR YOUR DECISIVE AND STRONG SUPPORT AND ENCOURAGEMENT IN THE EARLY FORMATION PHASES OF THE NEUROSCIENCE CENTER OF EXCELLENCE.

Francis E. Lauricella, known as “Hank,” grew up in Harahan, in Jefferson Parish, adjacent to New Orleans. Hank’s extended family and friends in Jefferson Parish would be his earliest, most enthusiastic, and most enduring fans as he emerged as a great athlete at Holy Cross High School in New Orleans in the mid-1940s, then as he became the All American tailback who led the University of Tennessee to the National Championship in 1951, and finally as he served for 32 years in the Louisiana State Legislature.

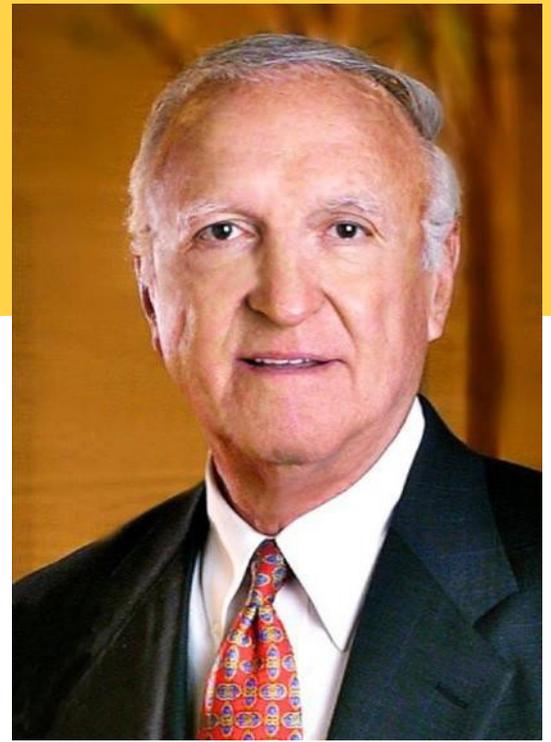
A four-year letterman at Tennessee, Hank was known as “Mr. Everything” during one of the most prominent stretches in Tennessee football history. His small stature (5-feet-11, 175 pounds) fit the mold of tailback in General Neyland’s single-wing attack. As a sophomore, Hank reached the starting line-up and was never dislodged. The highlight of Hank’s college career was a 75-yard off-tackle run in the 1951 Cotton Bowl against Texas. Later, Hank was named All-SEC, All-American, and the runner up for the Heisman Trophy. Hank has been elected to the Louisiana, Tennessee, and National Football Foundation’s Hall of Fame and the Louisiana Italian American Sports Hall of Fame.

After graduating from Tennessee with a degree in Business, Hank played professional football with the Dallas Texans for a year. In 1953, he married his college sweetheart, the former Betty Valker, and served in the US Army for two years as a Lieutenant, including a one-year tour in South Korea. When he returned from Korea, Hank joined the real-estate business his father had established. The firm began in residential real estate, and now, in its third generation of continuous family operation, is involved in the development of retail, commercial, and office space.

In 1964, Hank was elected to the Louisiana House of Representatives, where he served two terms before moving to the Louisiana Senate. He served six terms in the State Senate before retiring in 1996. He served for many years as Chairman of the Louisiana Senate’s Committee on Transportation, Highways, and Public Works and is recognized as a leading authority on ports, highways, and transportation.

Since his retirement from public service, Hank devoted his efforts to his role as General Partner and Manager of the Lauricella Land Company. He also continued his generous service and commitment to New Orleans, Jefferson Parish and the State of Louisiana. Throughout his career, he has served on numerous civic boards and commissions, including the original Louisiana Stadium and Exposition District (the Superdome) Commission and the Port of New Orleans.

In 2014 Hank and Betty celebrated sixty-one years of marriage. They are the parents of five children and grandparents of fifteen grandchildren.



Mr. John and Mrs. Dottie Charbonnet

FOR YOUR IMPORTANT AND CONSISTENT ENCOURAGEMENT AND RESEARCH SUPPORT OVER MORE THAN THREE DECADES, YOUR LEADERSHIP OF THE EENT FOUNDATION AND ESTABLISHMENT OF THE ERNEST C. AND YVETTE C. VILLERE CHAIR OF RETINAL DEGENERATIONS.



Dorothy Storey Charbonnet

Past President of the Junior League of New Orleans and the New Orleans Town Gardners

Board Member of WYES-TV (Public Television), United Way, Family Service of New Orleans, The Archbishop's Community Appeal, The Academy of the Sacred Heart, Cenacle Retreat House for Women and The Masion Hospitalier.

John D. Charbonnet

After graduating from Tulane University with a degree in civil engineering he spent several years as a commissioned officer in the Civil Engineering Corps of the United States Navy then he obtained his Master's degree from Tulane's Graduate School.

He founded Charbonnet Construction Corporation in 1963 specializing in commercial work. He has served on the Boards of The First National Bank of Commerce and Loyola University

He was Chairman of the Board of the Eye, Ear, Nose and Throat Hospital and Chairman of the Board of The Chamber of Commerce of New Orleans.

He was a founding Director of the Good Shepherd School, a Jesuit Nativity Mission School in New Orleans.

In 1987 he was Chairman of fund raising for the visit of Pope John Paul II to the City of New Orleans. He was awarded the Saint Louis Medallion by the Archdioceses of New Orleans and the 2008 Homines Pro Allis Award by the New Orleans Jesuit Province.

He was selected as the Jesuit High School 2010 Alumnus of the year.

He has served on the Mayor's Mardi Gras Coordinating Committee and was Rex, King of Carnival in 1988.

John and his wife Dorothy Storey married in 1960 and have three children and eight grandchildren.

**The Late
Tucker Horace Couvillon, III**
FOR YOUR COMMUNITY LEADERSHIP AND SUPPORT
OF THE TUCKER COUVILLON III, MEMORIAL
FOUNDATION FOR OUR PARKINSON'S DISEASE
RESEARCH.

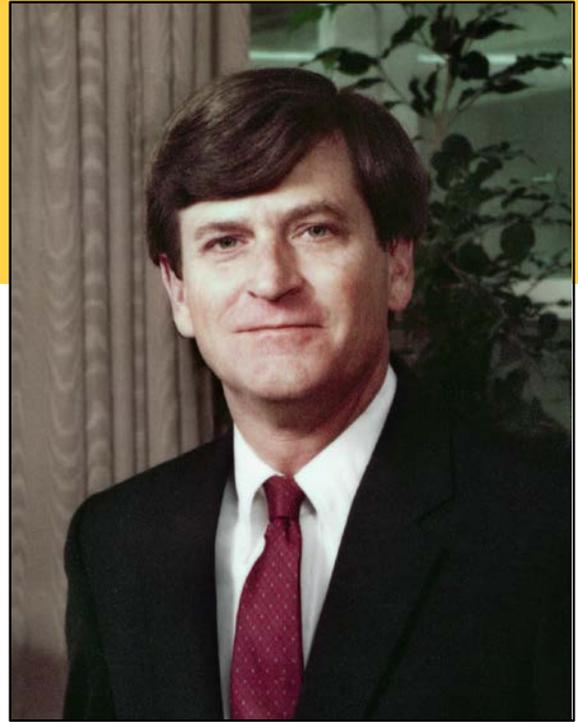
Tucker Horace Couvillon III, was born in Marksville La. on August 2, 1943. He died May 31, 2006 of Parkinson's Disease.

He entered Tulane University at 16 receiving a Bachelor of Arts and Juris Doctorate. While at Tulane, he was elected Student Body President and was a member of ODK honor society.

He served in the US. Navy completing Officer Candidate School and achieving the rank of Lieutenant Jr. Grade.

He married Susan Laborde and they had five children--Stacey Spoto, Ainslie Phillips, Mason, Scott and Tucker Couvillon, IV.

He was Corporate Counsel at ODEÇO and retired in 1992. He joined the Admiralty Department of Lemle & Kelleher in his retirement.

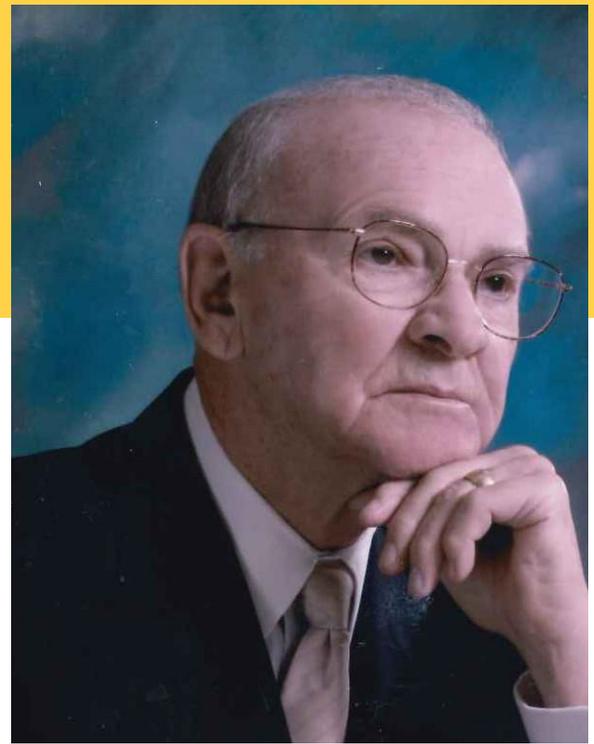


Earl J. Rozas, MD ('64)

ORTHOPAEDIC SURGEON

LSU FOUNDATION BOARD MEMBER

**FOR YOUR VISION AND DEDICATION IN NURTURING
THE VERY BEST IN MEDICAL SCIENCES IN OUR
INSTITUTION AND COMMUNITY.**



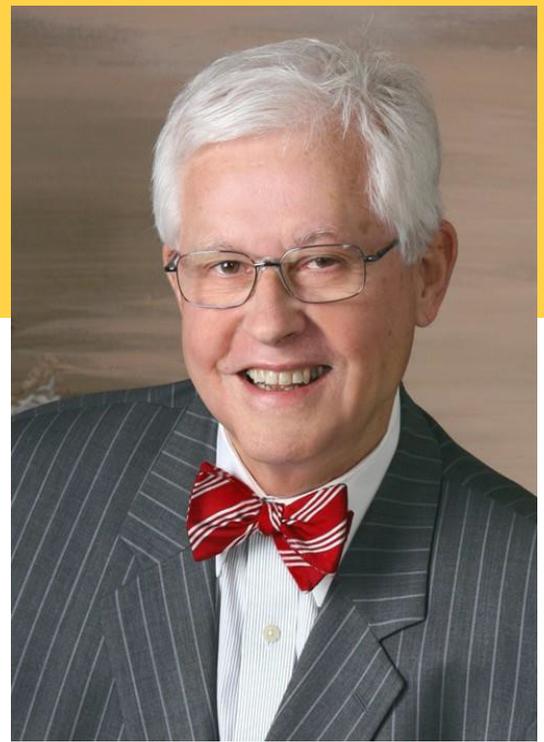
Earl J. Rozas, M.D. is a Board Certified Orthopaedic Surgeon who was in active private practice from 1969 until 2014. Dr. Rozas graduated from LSU School of Medicine in 1964 and celebrated his 50-year class reunion in 2014. In addition to practicing Orthopaedics full time Dr. Rozas made a lifelong commitment to LSU Medical Center by becoming a founding member of the Committee of 100 in 1988 and later, in 1992, becoming a Life Member. Following medical school Dr. Rozas completed a residency in Orthopedic Surgery at LSU School of Medicine under the guidance of Dr. Irving Cahen. After residency, he was joined by Raymond Horn, M.D. in developing the Bone and Joint Clinic in Marrero, LA which has grown to become a major Orthopaedic physician practice that serves the greater New Orleans metroplex.

Dr. Rozas has played an active role at LSU Medical Center. Firstly, board positions were held on the LSU Medical Alumni Association (1992-2015) and the LSU Medical Center Foundation (1988-2015). Secondly, with the Earl and Kai Rozas Endowed Professorship in Physiology in 1994 and with the contribution of the Dr. and Mrs. Earl J. Rozas Demonstration Laboratory in the Isadore Cohn, Jr., M.D. LSU Student Learning Center in 2002.

Earl J. Rozas, M.D. has been graciously honored with several awards and elected positions. The honors he treasures most are President of the LSU Medical Alumni Association (1994-95), Chairman of the LSU Medical Center Foundation (1997-99) and the Louisiana Orthopedic Association Alldredge Award for Service in 2005. Dr. Rozas is married to Elizabeth (Beth) Chisum Rozas, has 4 children and 7 grandchildren. Even in retirement, Dr. Rozas has continued to be involved in the development of services for LSU Medical Center.

Samuel G. McClugage, PhD

**HEAD AND PROFESSOR OF CELL BIOLOGY AND ANATOMY
ASSISTANT DEAN OF ADMISSIONS
FOR YOUR IMPORTANT SUPPORTIVE GUIDANCE
IN JOINTLY FOSTERING NEUROSCIENCE FACULTY
DEVELOPMENT.**



Dr. McClugage received his undergraduate degree at Millikin University and graduate education at the University of Cincinnati Medical Center. He completed postdoctoral research in the Department of Anatomy at the University of Cincinnati Medical Center. He moved to New Orleans, Louisiana and became an Assistant Professor of Anatomy at Louisiana State University Health Sciences Center. He was promoted to Associate Professor in 1976 and became a full Professor in 1993. He has served as Acting Head and Interim Head of the Department of Cell Biology and Anatomy on several occasions. He was appointed as the Director of Admissions for the School of Medicine in 1995; then to Assistant Dean for Admissions; and became Associate Dean for Admissions in 2000. In 2007, he was appointed as Professor and Head of the Department of Cell Biology and Anatomy. The largest of all basic science departments, it is involved in teaching over 25 courses in the various schools of the Health Sciences Center including medicine, dentistry, allied health, graduate school, and nursing.

Over the years, Dr. McClugage has published over 70 research articles and book chapters. He has served on various scientific editorial boards. He has been a Visiting Professor at other health science centers. He has been a mentor and advisor to many students through the years. He has served on various boards including the New Orleans Board of Advisors for the National Youth Leadership Council. He also was a past consultant for Proctor and Gamble.

He has served on over 85 committees in the various schools of the Health Sciences Center as well as serving as Chair for many of them. He continues to Chair Search Committees for past/current Chancellors and Deans. Dr. McClugage served on 10 various committees for the Association of American Medical Colleges including serving as Chair for the Group on Student Affairs for the southern region which had oversight for over 42+ U.S. medical schools. He also served on the Steering Committee for the Association of American Medical Schools.

Dr. McClugage has had numerous honors over the years. An Endowed Professorship was named in his honor, the Samuel G. McClugage Professorship, in 2008. He was the recipient of a Pharmacia award from the Microcirculatory Society to visit research laboratories in Scandinavia. He has received numerous awards for outstanding teaching including the Student Appreciation Award for Excellence in Teaching. He was also awarded as the Best Preclinical Professor in the School of Medicine. He has been nominated for an Aesculapian Society Excellence in Teaching Award numerous times. Dr. McClugage was also elected into the Alpha Omega Alpha Medical Honor Society. He was named Honorary Alumnus of the Year in 2004. In 2009, he received the Association of American Medical School's Exemplary Service Award.

He is married to Katherine St. Amant, MD and has a son who is a neurosurgery resident in Birmingham, Alabama.

John England, MD, FANN

**RICHARD M. PADDISON PROFESSOR OF NEUROLOGY
CHAIR, DEPARTMENT OF NEUROLOGY
FOR YOUR ACADEMIC LEADERSHIP IN THE CLINICAL
NEUROSCIENCES.**



Dr. England received his undergraduate and medical education at West Virginia University. Following his internship and Medicine/Neurology residency at the Medical University of South Carolina, he completed both clinical and postdoctoral research Muscular Dystrophy Association (MDA) fellowships in neuromuscular diseases at the University of Pennsylvania. He was a faculty member and NIH-funded investigator at the University of Colorado for 5 years before moving to Louisiana State University Health Sciences Center (LSUHSC) in 1992, where he served as Professor until 2001. He served as Director of Neurosciences and the Chair of Neuroscience Research and Forensic Medicine at the Billings Clinic from 2001 until 2007. He returned to LSUHSC in New Orleans as Professor and Chair of the Department of Neurology in 2007. In 2008 he was appointed Grace Benson Professor of Neurology, and in 2014 he became the Richard M. Paddison Professor and Chair of Neurology.

Dr. England has distinguished himself as a leader in the field of neuromuscular diseases. He became President of the American Association of Neuromuscular & Electrodiagnostic Medicine (AANEM) in 2009 after serving as an AANEM Board member, Secretary/Treasurer and as a member or chair of numerous committees. He frequently participates in national and international meetings as an invited speaker and organizer. He currently is the President of the American Board of Electrodiagnostic Medicine (ABEM). He is past President of the American Clinical Neurophysiology Society (ACNS), and received the ACNS 2003 Achievement Award for Excellence. He was the Chair of the Guidelines Development Subcommittee and Co-Chair of the Quality Standards Subcommittee of the American Academy of Neurology (AAN) for ten years. In 2016, he was awarded the *Distinguished Physician Award* by the AANEM, which is given as recognition for superior achievements as a clinician, educator, and researcher. Also in 2016, he was appointed the Chair of the World Federation of Neurology Group on Zika virus and consultant to the World Health Organization (WHO).

He served as the Chairman of several national task force groups that were a collaboration between the AANEM, the AAN, and the American Academy of Physical Medicine and Rehabilitation (AAPMR) addressing the following topics: The Polyneuropathy Task Force; Neuromuscular Guidelines Steering Committee; Treatment of Painful Diabetic Neuropathy; Distal Symmetrical Polyneuropathy: Definition for Clinical Research; Evaluation of Distal Symmetric Polyneuropathy: The Role of Autonomic Testing, Nerve Biopsy and Skin Biopsy; Evaluation of Distal Symmetric Polyneuropathy: The Role of Laboratory and Genetic Testing.

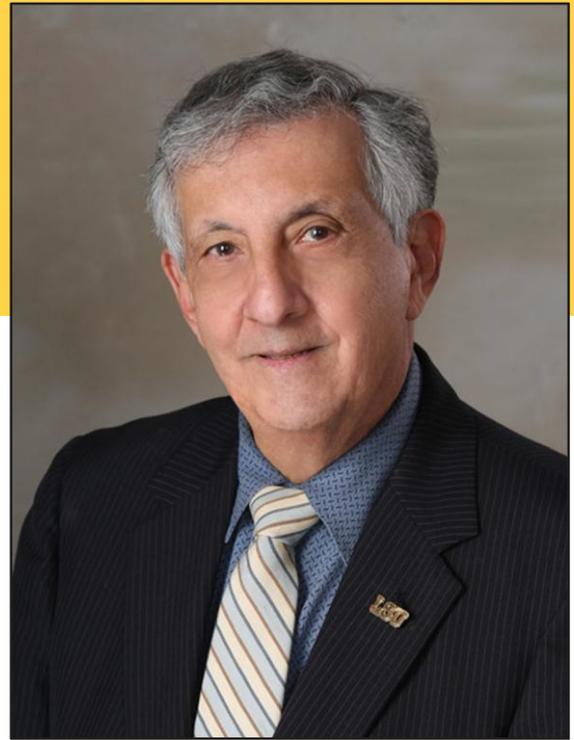
Dr. England served on the Editorial Board of *Muscle & Nerve* and was Editor for the *Neuromuscular Disorders* section of *Current Treatment Options in Neurology*. He is the current Editor-in-Chief of the *Journal of the Neurological Sciences*, the official journal of the World Federation of Neurology (WFN). He is an internationally recognized expert in peripheral neuropathy and is a frequent invited lecturer both nationally and internationally. His major research interest is the pathophysiology of disorders of peripheral nerve. Many of his collaborative efforts serve to form the basis of diagnosis and care of patients with peripheral neuropathy. He has served as principle or co-investigator on 18 clinical or basic research studies. This body of work has produced more than 260 publications.

He has been named on numerous lists for his accomplishments, including *Best Doctors in America* and several categories of *Who's Who*.

Jack A. Andonie, MD

**LSU FOUNDATION BOARD OF SUPERVISORS
LSU HEALTH SCIENCES CENTER HEALTH
CARE NETWORK**

**FOR YOUR DEDICATION AND EFFORTS ON BEHALF
OF OUR INSTITUTION THAT RESULTED IN AN
ENRICHED ACADEMIC ENVIRONMENT FOR ALL
OF US**



Jack A. Andonie is a graduate of LSU Medical School. He has a professorship and is retired Clinical Professor in the Ob-Gyn Dept.

He has chaired numerous Boards: 2 University Boards — LSU Board of Supervisors and Our Lady of Holy Cross College Board of Regents, LSU Alumni Association BOD, LSUHSC Foundation BOD and LSU Medical Alumni BOD, among others.

Has served on many other Boards: Medical Center of La Foundation, People's Health University Medical Group IPA, LSU Athletic Council, LSU Healthcare Network, etc.

Catholic Church: numerous Boards including Pontifical Mission Society, Christ the Healer, WLAE TV, N O Archdiocese School Board. At present Chairs Boards for Hotel Hope and Chateau de Notre Dame.

Medical: Held most positions at several hospitals: Chief of Ob-Gyn Dept., Chief of Staff, chair of numerous committees, Chair of Lakeside Hospital Board on 3 occasions and was Founder and President of Jefferson Parish Ob-Gyn Society.

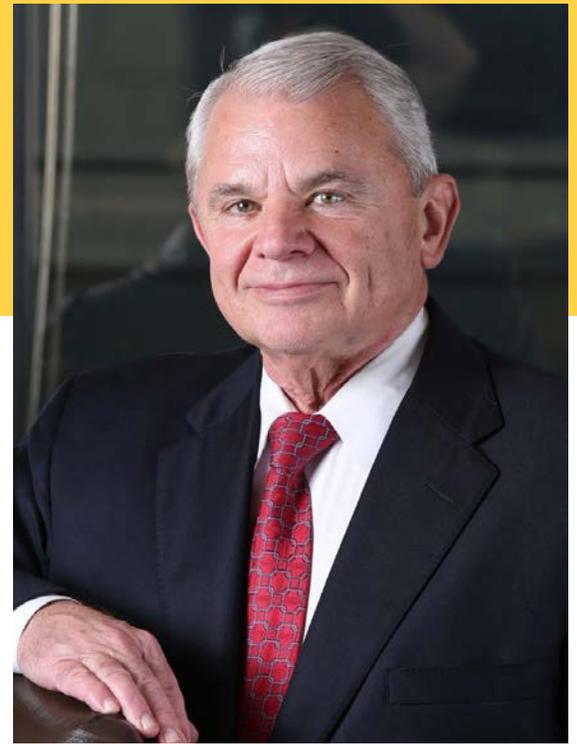
Alumnus of the Year: Redemptorist High School, Loyola University (Integretas Vitae Award), LSU Alumni Association, LSU Medical School Alumnus Association.

Some of his many honors: Spirit of Charity award, Pope John Paul II Award, People's Health Illustrious Alumnus, St Louis King of France Award, OLHHC Spes Unica Award and Pro Ecclesia Pontificus Award, LSU Athletic Hall of Distinction.

Larry H. Hollier, MD, FACS, FACC, FRCS, (Eng.)

**CHANCELLOR OF LSU HEALTH SCIENCES CENTER
NEW ORLEANS**

**FOR YOUR LEADERSHIP IN CONSOLIDATING ACADEMIC
EXCELLENCE IN OUR INSTITUTION AND YOUR ACTIVE
PARTICIPATION IN THE TRAUMATIC BRAIN INJURY RESEARCH
OF THE NEUROSCIENCE CENTER OF EXCELLENCE.**



Dr. Larry H. Hollier has served as Chancellor of LSU Health Sciences Center New Orleans since November 14, 2005. Dr. Hollier is also a practicing vascular surgeon.

Dr. Hollier was President and Chief Operating Officer of The Mount Sinai Hospital in New York before being recruited to lead his alma mater, the School of Medicine at LSU Health Sciences Center New Orleans, where he earned his medical degree in 1968 and was named Chief Resident in Surgery in 1974. Following a brief stint in the U.S. Air Force, Dr. Hollier entered academic medicine with an appointment to the LSUHSC faculty in 1975.

Dr. Hollier was appointed Dean on January 1, 2004. During his first 18 months, he reorganized the Dean's office and redefined fiscal control of the School of Medicine. He implemented mission based budgeting, aligning pay with performance, and allowing reallocation of an additional \$7 million to support the basic science and translational research efforts. As a result of the increased growth of research, the school's NIH funding increased over 50%. Dr. Hollier continued to serve as both Chancellor and Dean of Medicine until September 2007 when he appointed Dr. Steve Nelson as Dean of Medicine.

The day after the levees broke flooding 80% of New Orleans after Hurricane Katrina, Dr. Hollier led the efforts to temporarily relocate the Health Sciences Center to Baton Rouge. This involved identifying classroom space, new clinical rotation sites, the provision of housing for hundreds of displaced students and faculty by arranging for trailers and a Baltic Ferry to be made available for them in Baton Rouge. More than 400 residents and 300 students were reassigned to undamaged facilities and were back working within less than 4 weeks. Classes resumed in Baton Rouge four weeks after the storm, with high attendance by the students. Dr. Hollier managed a \$180 million overall loss for the Health Sciences Center, rebuilding the clinical enterprise, developing new partnerships, and negotiating a \$50 million commitment from state leadership to ensure the survival of the Health Sciences Center. He also oversaw the repair and renovation of the Health Sciences Center campus and led the move back to New Orleans.

In 1980 Dr. Hollier joined the faculty and staff at the Mayo Clinic in Rochester, Minnesota where he developed the hospital's vascular surgery service and training program. In 1987, he was named Chairman of the Department of Surgery at Ochsner Clinic Foundation and served as a member of the Board of Management for Ochsner's 750-member, multi-specialty group practice. Dr. Hollier was also active in expanding surgical activities in oncology, vascular surgery, cosmetic surgery, and transplantation.

In the mid-1990s, Dr. Hollier served as the Chair of Surgery and Executive Director of Clinical Affairs at the former Health Care International Medical Centre near Glasgow, Scotland, a tertiary care hospital specializing in cardiac surgery, cardiology, bone marrow transplantation, orthopedics and ophthalmic surgery, an operation he was recruited by Harvard to build.

Becoming one of the first of a new breed of physician-CEOs among hospitals nationally, Dr. Hollier was named President of the 1000+ bed Mount Sinai Hospital in August 2002. Rising from Chairman of Surgery to the center's chief medical officer (Senior VP and Dean of Clinical Affairs), and then to the #1 position, he set out to prove that a physician can successfully run a large teaching hospital. Despite the conventional wisdom that physicians make poor businessmen, Dr. Hollier took on the challenge of dealing with a multi-million-dollar deficit at The Mount Sinai Hospital in New York initiating a turnaround of over \$150 million and remaking it as more of a physician-led institution.

In addition to being a lecturer on vascular and endovascular surgery, Dr. Hollier is the author of more than 300 journal articles and has served on the editorial boards of 13 surgical journals.

The Neuroscience Center of Excellence

Founding:

The Neuroscience Center of Excellence was authorized by the LSU Board of Supervisors and the Board of Regents in 1989. Prior to that, the Dean of the LSU Health Sciences Center School of Medicine, Dr. Robert Daniels, and the Chancellor, Dr. Perry Rigby, enlisted an advisory committee that recommended the creating of the center and the appointment of Dr. Nicolas Bazan as the founding-director. The names of original committee members are as follows: **Julius Axelrod, PhD**, National Institute of Mental Health, Nobel Laureate in Medicine or Physiology (1970); **Dennis W. Choi, MD, PhD**, Andrew B. and Gretchen P. Jones Professor and Head, Neurologist-in-Chief, Barnes Hospital, Washington University School of Medicine; **Robert C. Collins, MD**, Professor and Chairman, UCLA Department of Neurology, Reed Neurological Research Center; **John E. Dowling, PhD**, Maria Moors Cabot Professor of Natural Sciences, Department of Cellular and Developmental Biology, Harvard University; **Mortimer Mishkin, PhD**, Chief, Laboratory of Neuropsychology, National Institute of Mental Health; **Fred Plum, MD**, Chairman, Department of Neurology, Cornell University Medical College; **Michael P. Stryker, PhD**, Professor and Vice-Chair, Department of Physiology, UCSF School of Medicine and **Richard J. Wurtman, MD**, Department of Brain and Cognition Sciences, Director Clinical Research Center, Massachusetts Institute of Technology.

The recognition of the Neuroscience Center as a Center of Research Excellence was supported a few years later by institutional funds to begin a comprehensive biomedical scientific center at the LSU Medical Center aligned with the mission components of Education, Research, Patient Care, and Community Service. Dr. Bazan led the effort to create the Neuroscience Center of Excellence and has been the director of the Center since its inception.

Education:

The innovative, educational and mentoring programs offered by or in connection with the Neuroscience Center include the Interdisciplinary Neuroscience Graduate Program, the Summer Undergraduate Neuroscience (SUN) Program, the Neurobiotechnology Program of Louisiana, seminar programs and lectureships, and postdoctoral fellowships for training the next generation of investigators. The Interdisciplinary Neuroscience Graduate Program offers a Ph.D. in Neuroscience, and participates in the M.D./Ph.D. degree program that attracts outstanding students from around the world. The Center is successful in training students (undergraduate and graduate), and post-doctoral fellows for medical research in academia, government and industry settings. To strengthen the research community, the Center also actively engages in public outreach.

Research:

The Neuroscience Center has established, through the faculty associated with the Center, research programs directed toward Alzheimer's disease, pain, Parkinson's disease, stroke, traumatic brain and spinal cord injury, epilepsy, depression, blinding eye diseases, schizophrenia and related developmental disorders, hearing and visual disorders. These diseases have no cure at the present time.

The Neuroscience Center is comprised of 21 teams lead by independent faculty members that contribute to understanding and conquering diseases of the nervous system. The Neuroscience Center has been a hallmark of the institution in part because the Center participates in translational research programs, such as those sponsored by the LSUHSC.

Translational Research Initiative, to bring the innovative research conducted here in the lab to the clinic, providing new approaches to therapy and treatment for nervous system injuries and diseases. To date, the innovative research conducted has resulted in more than 20 patents or patent applications and in the establishment of St. Charles Pharmaceutical, the first biotech/pharma start up in the region.

Mentoring:

In the early 1990's Dr. Bazan organized and led a major interdisciplinary research program on Neural Response to Injury: Prevention, Protection, and Repair that attracted 13.8 million dollars from a federal agency. In the mid 90's, the construction of the 8th and 9th floors of the Lions Building with the cost funded by this out-of-state grant, was made possible. Major equipment for the two new floors was also made available by this grant. This grant also funded \$4 million in equipment and partial research expense for neuroscientists in the Departments of Anatomy and Cell Biology, Neurosurgery, Neurology, Pharmacology, and Ophthalmology.

In 1997, the opening of the 8th and 9th floors of the Lions Building allowed for the recruitment of promising junior investigators and thereafter, an environment of research excellence was further established. High quality students and postdoctoral fellows were attracted by the newly formed research groups and the outcome has been a growing consolidation of a culture of research excellence.

The Center is currently in a 3rd phase of the NIH funded COBRE grant; phase III "Mentoring Neuroscience in Louisiana". Dr. Bazan is the Program Director of COBRE III. One of the functions of the COBRE grant is to provide funds to Center members who compete for pilot grants to enhance research capacity in the area of neuroscience research.

Outreach:

The Neuroscience Center is also dedicated to sharing its expertise with the wider community. Our goal is to educate with respect to the modern fascination of brain and behavior and to raise awareness about the devastation of neurological disease as well as to mentor an understanding of current research developments dedicated to discovering cures. The Neuroscience Center is recognized as a concentration of excellence within LSU and the greater community in which we live, broad in scope and diverse in people and talent.

Since its inception, the Neuroscience Center has become a nucleus of academic and research excellence contributing to attract out-of-state businesses to New Orleans, as well as distinguished experts and private and federal funding to support research. Translational neuroscience in the Center applies insights gained through fundamental research on brain structure and function to develop novel pharmacological therapies of brain diseases. In bringing together academic and governmental agencies and private/public partnerships, the Neuroscience Center has had a pivotal role in innovative approaches in the treatment of disorders of the nervous system and the advancement of understanding the mechanism of neural disease.

NEUROSCIENCE CENTER OF EXCELLENCE
School of Medicine, Louisiana State University Health New Orleans

NOTABLE MILESTONES (1989-present)

- 1989** Neuroscience Center established and authorized by the LSU Board of Supervisors and the Board of Regents.
- 1994** Began Summer Undergraduate program in Neuroscience (SUN).
- 1994-1998** Attracted \$13.8 million from the Department of Defense for a research program on **Neural Response to Injury: Prevention, Protection and Repair**. This led to construction of the 7th, 8th and 9th floors of the Neuroscience Center of Excellence at 2020 Gravier, completed in 1996.
- 1997** Recruitment of faculty to occupy new laboratories.
- 2002** Neuroscience Center receives first COBRE grant (Centers of Biomedical Research Excellence) award from NIH in the State of Louisiana. This \$9.8 M grant fosters a culture of mentoring at LSUHSC, Tulane, Xavier and Nicholls State Universities. The first competing renewal for this COBRE was awarded in 2007, granting an additional \$10.6 M in support until 2012, and this the final competing renewal for this COBRE was awarded in 2012, granting an additional \$5.2 M in support until 2017.
- 2005-2006 Rebuilding of Neuroscience Center after Hurricanes Katrina and Rita
- 2006 Established Medical students' Outstanding Opportunities in Neuroscience (MOON) Program, focused on LSU medical students to nurture future medical scientists.

DISCOVERIES AND INVENTIONS (1987-present)

- 1997 New analgesic (similar to Tylenol) with no liver/kidney toxicity (N. Bazan)
- 2000 Signal integration in the hippocampus critical for memory formation (J. Magee)
- 2001 New brain genes critical in neurotransmission and neuronal function (J. Erickson)
- 2002 Receptor proteins important in drug addiction (R. Anand)
- 2002 Evidence for the first time that COX-2-delivered PGE2 participates in long-term synaptic (C. Chen, J.C. Magee and N.G. Bazan).
- 2003-2004 Neuroprotectin D1, novel mediator with potential to protect against neurodegenerative disease, stroke, retinitis pigmentosa, and macular degeneration (C. Chen, J.C. Magee, and N.G. Bazan)
- 2004 Mechanisms in the development of Alzheimer's (W. Lukiw)
- 2005 Molecular mechanism underlying PGE2 in regulation of synaptic transmission and plasticity (C. Chen & N. Bazan)
- 2006 Synaptic properties key in memory (S. Gasparini)
- 2006 New mechanisms and neuroprotection for Alzheimer's and Parkinson's (N. Bazan)
- 2006 Experimental therapeutics for dry eye and refractive surgery (H. Bazan)
- 2007 Photoreceptor protection for retinitis pigmentosa and macular degeneration (N. Bazan)
- 2007 First report of highly selective microRNA (miRNA) changes in Alzheimer's disease (AD) hippocampus (W. Lukiw)
- 2008 New experimental therapeutics for stroke (L. Belayev and N. Bazan)
- 2008-2011 Signaling pathways responsible for the endocannabinoid 2-AG in resolving neuroinflammation (C. Chen)
- 2009-2013 New regulators of RPE65 in the visual cycle (M. Jin)

- 2009-2016 Role of IRBP in the visual cycle and retinal neuroprotection (M. Jin)
- 2010 New clinical model of Usher syndrome Type 1C (J. Lentz)
- 2010 Novel mechanism underlying action potentials generated by inhibitions (S. Gasparini)
- 2010-2013 Decoding a long-time mystery of marijuana-induced impairments in synaptic and neurocognitive functions (C. Chen)
- 2011 Discovery of logarithmic sensory perception as a fundamental property of vastly different nervous systems. (Farris H) (featured in Science and Nature Communications)
- 2012 Chromosome 21-encoded microRNA-155 increased in Down's syndrome (trisomy 21) (W. Lukiw)
- 2012 A novel therapeutic target for Alzheimer's disease (C. Chen)
- 2013 Potential involvement of the gastrointestinal (GI) tract microbiome LPS, endotoxins, amyloids and small non-coding RNA (sncRNA) to AD (W. Lukiw)
- 2013 Discovery of new circuits terminating on neurons involved in memory processing and formation (S. Gasparini)
- 2013 Rescue of hearing and vestibular function in a clinical model of Usher syndrome Type 1C with antisense oligonucleotides (J. Lentz)
- 2014 An epigenetic mechanism underlying inhibition of endocannabinoid metabolism in alleviating neuropathology of Alzheimer's disease (C. Chen)
- 2014-2016 Rescue of the function for RPE65 mutants causing retinal degeneration (M. Jin)
- 2015 A potential therapeutic approach for prevention and treatment of traumatic brain injury (TBI)-induced AD-like neurodegenerative disease (C. Chen)
- 2014 Composition and methods to treat diseases (S. Hong and N. Bazan) US 62/045,677 (provisional patent)
- 2014 Methods and Compositions to promote diabetic wound healing (S. Hong) US 62/045,952 (provisional patent)
- 2016 Bacteroides fragilis Lipopolysaccharides (LPSs) induces AD-like change in human brain cells in primary culture (W. Lukiw)

25 patents/patent applications (N. Bazan).

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