



## **Program**

### **10<sup>th</sup> Anniversary of the LSU Neuroscience Center**

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Mr. Roger Ogden

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## **Message from the Director**

Nicolas G. Bazan, MD, PhD

As we celebrate the 10<sup>th</sup> Anniversary of the LSU Neuroscience Center of Excellence, it is a time to reflect upon the past decade. What stands out above the research discoveries, the new knowledge contributed to the body of science and the outreach programs initiated, is the sense of community and shared accomplishment. The Neuroscience Center can be a source of pride for our community, our state and our region because it truly belongs to all of you. Ten years ago, many minds shared a collective vision, now realized through the ideas, abilities and resources of people who came together to stop the devastation of neurological and psychiatric diseases.

Medical science progresses because people dedicate themselves to finding new solutions to complex conditions and because they are afforded the resources necessary to carry out their research. Working together, we have made great strides in understanding how the brain functions, how diseases affect the brain and advancing treatment options for these diseases.

The Neuroscience Center has contributed to the enhancement of academic excellence at the LSU Health Sciences Center, strengthened fundamental neurosciences and pioneered the transfer of breakthroughs into the clinical arena, with its attendant economic impact. We have forged partnerships with other esteemed academic institutions and collaborative agreements with both government and industry have advanced the discovery process. Our scientific and community seminars have served both academic and community audiences by bringing the most respected scientists and resources together at unique educational events.

Our research teams are guided by a quest for knowledge and a common desire to help the suffering caused by Alzheimer's Disease, blinding-eye diseases, stroke, Parkinson's Disease, schizophrenia, mental depression, epilepsy, head injury, spinal cord injury and other diseases of the nervous system. These scientists are working to unravel the secrets of the brain, to understand how and why these diseases happen, and to devise the means to prevent or cure them.

As we approach the new millennium, we are pleased with the progress of the Neuroscience Center, and renew our efforts to cross the last frontier of medicine--the mystery of the human brain. Thank you for the hope we have given to those affected by these catastrophic diseases and for helping us to remain in the vanguard as we enter our next decade, century and millennium of discovery.

## **Academic Lectures**

**Mervin L. Trail, M.D.**

Chancellor, LSU Health Sciences Center  
Master of Ceremonies

11:00 AM - 1:00 PM

1<sup>st</sup> Floor, Medical Education Building  
LSU Health Sciences Center  
Lecture Room B

**Dr. Jacques Mallet**

**"Gene Transfer in the Nervous System"**

Centre National de la Recherche Scientifique, Laboratoire  
de Génétique  
Moléculaire de la Neurotransmission et des Processus  
Neurodégénératifs, Paris

**Dr. Edmond H. Fischer, Nobel Laureate**

**"Cell Signaling in Health and Disease"**

1992 Nobel Prize in Physiology or Medicine  
Professor Emeritus, University of Washington  
Department of Biochemistry, Seattle, Washington USA

## **Portrait Unveiling and Dedication**

9<sup>th</sup> Floor, Neuroscience Center

**Robert L. Marier, MD**

Dean, LSU School of Medicine in New Orleans

Master of Ceremonies

1:00 PM

Neuroscience Center Conference Room

9<sup>th</sup> Floor, LSU-Lions Research Building

**Dedication of the portraits of**

**Mervin L. Trail, M.D.**

Chancellor, LSU Health Sciences Center

**Herbert E. Kaufman, MD**

Boyd Professor and Head, Ophthalmology

*in recognition of their outstanding contributions to  
the LSU Neuroscience Center*

**Dedication of the Robert S. Daniels, MD  
Conference Room**

8<sup>th</sup> Floor, Neuroscience Center

Executive Assistant to the Chancellor  
Former Dean (1986-1995), LSU Medical School

*in honor of Dr. Daniels' commitment to Excellence  
in Medical Research and for his major  
contributions to the founding and development of  
the Neuroscience Center of Excellence*

**Recognitions for Contributions to the  
Development of the  
Neuroscience Center of Excellence**

Perry Rigby, MD  
Former Chancellor, LSU Medical Center (1985 - 1994)  
Professor of Medicine  
LSU Health Sciences Center

Bert Wallace  
President and Chief Operating Officer  
The Foundation of the LSU Health Sciences Center

**Buffet Luncheon and Reception to Follow**

## **Edmond H. Fischer, PhD**

1992 Nobel Prize in Physiology or Medicine  
Professor Emeritus, University of Washington  
Department of Biochemistry

Born in Shanghai, China, Dr. "Eddy" Fischer studied at the Geneva Conservatory of Music under Johnny Aubert before obtaining two Licences ès Sciences, one in Biology, the other in Chemistry and, two years later, the Diploma of "Ingénieur Chimiste." For his thesis, he elected to work with Prof. Kurt H. Meyer, Head of the Department of Organic Chemistry, University of Geneva and it was there that he met Eric A. Stein and began a 15-year collaboration and lifelong friendship. In the early 1950's, Dr. Fischer received an invitation from Hans Neurath, Chairman of the Department of Biochemistry to come to Seattle. It was here that fundamental studies of the regulation of glycogen metabolism by Dr. Fischer, along with Dr. Edwin Krebs, in the 1950's led to a general understanding of the central role of phosphorylation mechanisms in the control of cellular events. His pioneering work was recognized by the award of the Nobel Prize for Physiology and Medicine in 1992. He has received the Werner Medal from the Swiss Chemical Society, the Lederle Medical Faculty Award; the Prix Jaubert from the University of Geneva and, jointly with Ed Krebs, the Senior Passano Award and the Steven C. Beering Award from Indiana University. He has also received Doctorates Honoris Causa from the University of Montpellier, France and the University of Basel, Switzerland and was elected to the American Academy of Arts and Sciences in 1972 and to the National Academy of Sciences in 1973.

## **Jacques Mallet, PhD**

Laboratory Director,

Centre National de la Recherche Scientifique,

Laboratoire de Génétique

Moléculaire de la Neurotransmission

et des Processus Neurodégénératifs, Paris

Dr. Mallet received his PhD in physical organic chemistry from Harvard University in 1972. Upon his return to France, he joined the laboratory of Jean-Pierre Changeux at the Pasteur Institute, where his research was centered on neural diversity and recognition. In 1982 at the Institut de Microbiologie, Université de Paris, Orsay he first identified a cDNA encoding tyrosine hydroxylase, the first report of the cloning of a gene for a neural protein. His laboratory, Laboratoire de Génétique Moléculaire de la Neurotransmission et des Processus Neurodégénératifs, has pioneered the development of gene therapy in the brain. Dr. Mallet is the first to develop engineered cells for grafting purposes in rat models of Parkinson's Disease. In 1993, he established that adenoviral vectors can infect nerve cells efficiently without any major cytotoxic effect. Among his distinctions, Dr. Mallet is a "Membre Correspondant" of the French Academy of Sciences, a member of EMBO since 1988 and the Academia Europaea since 1989. He is actively involved in international programs as the coordinator of the Human Frontier Science Program, and he is responsible for the programme of the European Science Foundation. Dr. Mallet has been awarded the Prize in Neurobiology from the Fondation pour la Recherche Médicale, France in 1993 and the Prize of the Fondation de Physiopathologie Lucien Duatebande, Belgium in 1994.



## **Robert Marier, MD, MHA,**

Dean

Louisiana State University Health Sciences Center  
School of Medicine

Dr. Marier graduated from Boston College and Yale Medical School. He completed a residency in Internal Medicine at the Massachusetts General Hospital (Harvard University) and a fellowship in Infectious Disease at Yale University Medical School. He served in the United States Public Health Service as an Epidemic Intelligence Officer at the Centers for Disease Control before joining the faculty at Yale in the department of Medicine. Dr. Marier moved to New Orleans with his appointment to the LSU Medical Center faculty. At LSU Medical Center, he has served as a Professor of Medicine and Public Health, Medical Director and Chief Administrative Officer at the Medical Center of Louisiana, and Chairman of the Department of Public Health and Preventive Medicine and Director of the state public hospital system. At the present time he serves as Dean of the School of Medicine at Louisiana State University Medical Center, and Chairman of the Board of the LSU faculty group practice corporation. He earned a Masters Degree in Health Services Administration from the Tulane School of Public Health. His research interests in the past have included the development of more effective prevention and treatment for infectious diseases in compromised hosts and more recently have included health services administration, health status measurement and medical informatics. He was a founding member of United Services for AIDS in Louisiana and has served on the Governor's Commission on Telecommunications and the Louisiana Health Care Commission. He serves on the AAMC Advisory Panel on Health Care Delivery and is chairman of the Board of a new AAMC Advisory Panel on Informatics. He is married to Joanne Cain Marier. They are the parents of two daughters, Rebecca and Alicia.



## **Mervin L. Trail, M.D.**

Chancellor

Louisiana State University Health Sciences Center

Mervin L. Trail, M.D., one of Louisiana's foremost head and neck surgeons, was appointed Chancellor of the Louisiana State University Health Sciences Center on December 9, 1994, six months after he assumed duties as Acting Chancellor. A board certified ear, nose, and throat specialist, Dr. Trail came to Louisiana 31 years ago from Johns Hopkins, and initiated an educational process for the residency training program for this specialty at the LSUHSC School of Medicine in New Orleans. Dr. Trail has devoted his professional life to the LSU Health Sciences Center, where he has headed various academic and clinical programs and founded the Stanley S. Scott Cancer Center. As Chancellor of the LSU Health Sciences Center, Dr. Trail is chief executive officer of a statewide comprehensive public health care education and delivery system composed of six professional schools and ten hospitals. Dr. Trail has been honored repeatedly both nationally and in Louisiana for tireless service to his profession and his community. The American Academy of Otolaryngology - Head and Neck Surgery and the Board of Governors both bestowed its Presidential Citation upon Dr. Trail for his exceptional contributions to the Board and the Academy. He has received The Freedom Foundation at Valley Forge Volunteer Award, one of only 47 given nationally, for community volunteerism. Dr. Trail was co-chairman of the Media and Hospitality Committee for the Republican National Convention in 1988, chairman of the 1987, 1991 and 1993 NCAA Final Four Host Committees, and chairman of the New Orleans Sports Foundation. He has also served as President of the Greater New Orleans Tourist and Convention Commission and President of the Morial Convention Center. Dr. Trail and his wife, the former Edythe Wenger, are the parents of four children, Shelby, Lisa, Kelly and Kristi, and have seven grandchildren.

## **Herbert E. Kaufman, MD**

Boyd Professor of Ophthalmology and

Pharmacology & Experimental Therapeutics

Head, Department of Ophthalmology

Director, LSU Eye Center, Louisiana State University Health  
Sciences Center

Dr. Kaufman is a specialist in cornea, cataract, and refractive surgery as well as infectious eye diseases. He is also internationally recognized for his research which has produced extraordinary advances in eye care and the prevention of blindness. While studying viral eye infections, Dr. Kaufman developed the world's first effective antiviral drug. His formulas for preservative solutions to store donor corneas have enabled modern eye bank networks to bring sight-saving cornea transplant surgery to more people than ever before. His discoveries with the specular microscope have led to dramatic improvements in cataract surgery and he has developed therapeutic contact lenses and new methods for delivering drugs to the eye. In 1987, Dr. Kaufman began the development of the LSU Eye Center, the first Center of Excellence created within the LSU Health Sciences Center. Under his direction, the center has become internationally renowned as a comprehensive ophthalmic medical center achieving the highest standards in patient care, in medical education and in research to restore and preserve sight. Boyd Professor and head of the LSU Health Sciences Center Department of Ophthalmology, Dr. Kaufman has brought together a distinguished faculty of physicians and scientists. Treatments and surgeries developed at the Eye Center have set the standard for specialized ophthalmic care. In 1992, Dr. Kaufman was selected to perform the first surgeries in the United States to implant a special lens for patients with profound myopia. Among other innumerable honors, Dr. Kaufman received the prestigious "Innovators Award" from the American Society for Cataract and Refractive Surgery and was recently named one of the "Best Ophthalmologists in America" in a peer survey.

## **Robert S. Daniels, MD**

Executive Assistant to the Chancellor

Former Dean (1986-1995), LSU Medical School

Dr. Robert Daniels came to the LSU School of Medicine in 1986 as Dean of the School of Medicine, a position he held until 1995. Since then, he has continued as Executive Assistant to the Chancellor, Professor of Psychiatry, and Vice President for Campus Relations for the LSU Medical Center Foundation. During his nine years as Dean the faculty size greatly expanded; the new Lions - LSU Building was occupied; the Faculty Group Practice was established, the Neuroscience Center and Cancer Center were established, the Medical Center Foundation was incorporated; and the Neuroscience addition to the Lions Building was constructed. He graduated Medical School from the University of Cincinnati College of Medicine. After four years of active military services in the U.S. Air Force he returned to Cincinnati for his psychiatric residency training. From 1957 - 1971, he was a faculty member at the University of Chicago, where he served three years as Acting Chairman of Psychiatry, four years as an Associate Dean for Social and Community Medicine and three years as Director of the Center for Health Administration Studies in the Graduate School of Business. He is a graduate of the Chicago Institute for Psychoanalysis. He returned to Cincinnati in 1971 as Chairman of the Department of Psychiatry. In 1973 he was appointed Dean of the College of Medicine, and in 1983 Senior Vice President for the Medical Center. He rose to the rank of Colonel in the U.S. Army Medical Corps Reserve. Among special academic awards and recognitions, he was first academically in his class in medical school; he is a member of Phi Beta Kappa and Alpha Omega Alpha; he received the Daniel Drake Award at the University of Cincinnati - College of Medicine for outstanding service (Only the 10<sup>th</sup> award in 168 years in the College); he was first recipient of an award named in his honor for distinguished service from the Medical Alumni Association of the LSU School of Medicine; he was honored by the establishment of the Robert S. Daniels Chair; he was named an honorary alumnus of the LSU School of Medicine (New Orleans). Dr. Daniels is married to Dr. Vikki Ashley. They have 6 children and 11 grandchildren. He will be retiring January 1, 2000, from Louisiana State University Health Sciences Center.

## **Perry G. Rigby, M.D.**

Director of Health Care Systems

Former Chancellor, LSU Medical Center (1985 - 1994)

Professor of Medicine

Louisiana State University Health Sciences Center

Dr. Perry G. Rigby graduated from Case Western Reserve University School of Medicine in 1957, did 3 years of Residency in Internal Medicine at the University of Virginia, and then completed 2 years as a Fellow in Hematology at Boston University Medical Center. After two years of service in the U.S. Army at William Beaumont Hospital in El Paso, Texas, Dr. Rigby became Professor of Internal Medicine and Professor of Anatomy, then Dean of the University of Nebraska College of Medicine. Dr. Rigby then was Professor of Medicine, becoming Dean of the LSU School of Medicine in Shreveport. Subsequently Dr. Rigby was appointed Chancellor of LSU Medical Center. Currently, Dr. Rigby is Professor of Medicine and the Director of Health Care Systems for LSU Health Sciences Center. Dr. Rigby was named a Markle Scholar in Academic Medicine in 1966, received an Honorary Doctor of Science Degree from Mount Union College in 1976, the Distinguished Alumnae Award from Case Western Reserve University in 1987, The Avicenna Academic Award in 1991, and the Silver Anniversary Leadership Award from the University of Nebraska in 1997. Dr. Rigby is a member of Alpha Omega Alpha and Sigma XI, a Fellow of the American College of Physicians, a Fellow of the Royal College of Medicine, London, the Central Society for Clinical Research, and the Southern Society for Clinical Investigation. He is a member of the American Society of Hematology, the International Society of Hematology, the American Association for Cancer Research, the American Association for the Advancement of Science, the American Medical Association among others. Dr. Rigby has held numerous appointments on Boards, Committees, Hospitals, and local, regional and national organizations. Dr. Rigby has published 140 scientific papers, reviews, chapters and abstracts. Dr. Rigby is currently the Chairman of the Medical Education Commission of the State of Louisiana.

## **Bert Wallace**

President and Chief Operating Officer  
The Foundation for the LSU Health Sciences Center

Bert Wallace, a former Marine Captain and graduate of Southern Methodist University, was recruited to join the Foundation for the LSU Health Sciences Center in 1991 from a position as chief executive officer of Solutions Management. As president and chief operating officer of the Foundation, he has been a driving force behind a number of fundraising success stories at the LSU Health Sciences Center. Over the past ten years, he has been instrumental in supporting the activities of the LSU Health Sciences Center. Under Bert Wallace's direction and leadership, the Foundation has grown into a full fledged force. He has significantly increased its fund balance from \$6.85 million to over \$41 million in just six years. He also oversaw the start-up of the LSU Continuing Medical Education program, generating more than \$20 million in revenues in only four years. He is currently Director of St. Charles Pharmaceuticals, New Orleans' first biotechnology company. He played a key role in the start-up of the Faculty Practice Plan as incorporator, director and executive committee member, serving as Director of Faculty's Independent Physicians Association. Bert Wallace is an innovative, bottom-line oriented senior executive with extensive experience in general management and marketing. He is a proven producer of profitable results in a variety of businesses and industries, including pharmaceuticals, real estate and healthcare. His experience includes executive and sales positions with Lederle Laboratories, Racquet Clubs of America and the Hallmark Group. His career has been characterized by strong motivational and visionary roles, complemented by profit improvement and success in creating and implementing innovative programs in start-up environments. Bert Wallace is an outstanding gentleman who is bright, articulate and dedicated to the cause of the LSU Health Sciences Center. A native of Odessa, Texas, he is married and has two sons.



**The Ernest C. and Yvette C. Villere Chair for the Study of Retinal Degenerations has been a major contribution to the establishment of the LSU Neuroscience Center**

Ernest and Yvette Villere so believed in the promise of research that they left a legacy in the form of an endowed chair to the LSU Medical Center to ensure that the problem of retinal degeneration would one day be solved. What the Villeres didn't know was that, in addition to investing in a dream of their own, they provided a foundation for research which would logically expand beyond the eye and into the brain. Officially dedicated in 1992, the Ernest C. and Yvette C. Villere Chair for the Study of Retinal Degeneration supports the research of Dr. Nicolas G. Bazan. This chair was organized under the leadership of Dr. Herbert E. Kaufman, Department of Ophthalmology. Thereafter, Dr. Bazan discovered an important link between the fatty acid, DHA (docosahexaenoic acid) and retinal function. His findings target a new area of drug research and development that could have major implications for curing retinal degeneration. His research in this area continues and is outlined below. In addition to retinal research, the Ernest C. and Yvette C. Villere Chair has seeded the growth of expanded research in the neurosciences. As Director of the Neuroscience Center of Excellence, Dr. Bazan continues his innovative research in the protection of regeneration of brain cells after injury from epilepsy, stroke and trauma. Teams of basic and clinical investigators from a variety of disciplines are also pursuing research in neurodegenerative diseases such as Alzheimer's Disease, Parkinson's Disease, and others. The LSU Neuroscience Center of Excellence is indeed an outgrowth of the Ernest C. and Yvette C. Villere Retinal Degeneration Research Program. A second chair in the Villeres' name has also been funded and named at the University of New Orleans, inspired by the foresight of Mr. Paul Nalty. The Villere Chairs, the LSU Neuroscience Center of Excellence, and the UNO Research and Technology Park form an interactive network, the collaboration of which will create a synergy targeted at conquering the last frontier of medicine - the brain.

## Governance

**William L. Jenkins, PhD**  
President, LSU System

**Mervin L. Trail, MD**  
Chancellor, LSUHSC

**Robert L. Marier, MD, MHA**  
Dean, LSU School of Medicine

**Nicolas G. Bazan, MD, PhD**  
Director, Neuroscience Center of Excellence

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**Michael P. Stryker, Ph.D.**; William Francis Ganong Professor and Chair, Department of Physiology, UCSF School of Medicine

**Richard J. Wurtman, M.D.**; Department of Brain and Cognitive Sciences, Director, Clinical Research Center, MIT



## Donations and Information

**\*As part of the Louisiana State University Health Sciences Center, the LSU Neuroscience Center of Excellence maximizes its state and federal support with private contributions. Such public/private partnerships help offset the increasing costs of novel research and play a key role in the Center's discoveries. Donations are tax deductible to the fullest extent of the law.**

For more information about how you or your company can become involved, contact:

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