Tulane COBRE
Executive Advisory Committee Meeting

From March 11th to 13th, 2008, the Tulane COBRE Executive Advisory Committee met to review progress of COBRE sponsored research at the Tulane Hypertension and Renal Center of Excellence. Current members are:

- **Thomas Coffman, MD**, Professor & Chief of Duke University, Durham, North Carolina.
- **Norman Rosenblum, MD**, Associate Chair of Pediatrics at the University of Toronto and Senior Scientist at The Hospital for Sick Children, Toronto, Ontario.
- **John McGiff, MD**, Professor & Chairman of Pharmacology, New York Medical College, New York.
- **Michael Klag, MD, MPH, FACP**, Dean, Bloomberg School of Public Health, The John Hopkins University, School of Medicine, Baltimore, Maryland.
- **Orson Moe, MD**, Professor Internal Medicine in Nephrology, University of Texas Southwestern Medical School, Texas.

The March EAC site visit proved very productive, producing many helpful suggestions for the junior faculty investigators on the COBRE. The Committee members listened to presentations by junior faculty and provided recommendations for enhancing their projects. The EAC members evaluated the investigators grant applications and offered constructive suggestions to increase the probability for funding. Throughout the year, the EAC members have provided their valuable services in reviewing the research plans of each new junior faculty investigators.
COBRE Investigators, Directors, and EAC members

COBRE EAC meeting, March, 2008, pictured:
Standing - at both ends, COBRE Directors
Dr. Navar & Dr. Hamm.
Standing - in-between, COBRE junior investigators
Dr. Matrougui, Dr. Unlap, Dr. Saifudeen,
Dr. Botros, Dr. Prieto-Carrasquero, Dr.
Hering-Smith, and Dr. Chen.
Sitting - EAC members, Dr. McGiff, Dr. Coffman,
Dr. Moe, and Dr. Rosenblum.
Missing from group picture, EAC member, Dr. Klag
and Jr. Investigator, Dr. Bazzano.

Junior Faculty Investigator presentation at the EAC meeting

The following investigators presented their research projects at the annual Tulane COBRE Executive Advisory Committee meeting held in New Orleans on March 13th, 2008.

- Zubaida Saifudeen, PhD, Assistant Professor, Department of Pediatrics, Section of Nephrology presented “Transcriptional Control of Ureteric Bud Growth and Branching.”
- Kathleen S. Hering-Smith, PhD, Research Assistant Professor, Department of Medicine, presented, “Citrate transport in the proximal tubule”
- Fady T. Botros, PhD, Instructor, Department of Physiology, presented “Renal Heme Oxygenase Induction Attenuates Afferent Arteriolar Autoregulatory Responses to increases in Renal Perfusion Pressure.”
- Lydia A. Bazzano, MD, PhD, Assistant Professor of Epidemiology, Department of Medicine, Section of Epidemiology, presented, “Macronutrient Composition of Diet and Risk Factors for Cardiovascular Disease.”
- Jing Chen, MD, Assistant Professor, Department of Medicine, presented “Endothelial Dysfunction, Adipocytokines, Inflammation and Chronic Kidney Disease (EDAIC).”
- Khalid Matrougui, PhD, Assistant Professor, Department of Physiology, presented “Mechanism of Resistance Artery Structural Remodeling in Hypertension.”
2008 Mayerson-Di Luzio Lecture

On Monday, April 21, 2008, the 2008 Mayerson-Di Luzio Lecture was presented by Emile Boulpaep, MD. Dr. Emile Boulpaep, professor of Physiology at Yale University School of Medicine, was awarded the 2008 Mayerson-Di Luzio Lectureship for his outstanding contribution to the scientific world of Physiology. His lecture presented was titled, “Protein-Protein Interactions Among Ion Channels Regulate Ion Transport in the Kidney.”

Dr. Boulpaep served as Chairman of the Department of Cellular and Molecular Physiology at Yale from 1979 to 1989 and from 1998 to 2000. He is currently Director of Medical Studies and Director of Graduate Studies at the Department of Cellular and Molecular Physiology at Yale University. He is a member of the Board of Directors on several national and international academic foundations. He has made significant contributions to scientific research and has received numerous prominent scientific and teaching awards.

The Mayerson-Di Luzio Lectureship was established to honor the memory of Drs Hyman S. Mayerson and Nicholas R. Di Luzio, who presided as Chairmen of Tulane Physiology Department, and is co-sponsored by Tulane Hypertension & Renal Center of Excellence and the Department of Physiology at Tulane.

Ray G. Dagg’s Award

L. Gabriel Navar, PhD, Chairman of the Tulane Physiology Department and Director of COBRE, was awarded the Distinguished Ray G. Daggs Award from American Physiology Society (APS) at the 2008 Experimental Biology meeting in San Diego.

This annual award, in honor of the Society's first Executive Secretary, is presented to a physiologist who is judged to have provided distinguished long-term service to the scientific research of physiology and, in particular, to the American Physiological Society by holding a prominent position in the Society. Established in 1973, the Ray G. Daggs Award is presented at the spring Business Meeting of the Society.
Continued...

**Julio E. Figueroa Founders Award**

**L Lee Hamm, MD,** Chairman of Department of Medicine and Co-director of THRCE, was recently awarded the **12th Annual National Kidney Foundation of Louisiana “Julio E. Figueroa Founders Award.”** The award was presented on **April 19th, 2008,** at the **18th Annual Gift of Life Gala** that was held at the Sheraton New Orleans’. The Julio Figueroa Award is awarded yearly to an individual or organization who has provided outstanding participation, service, and leadership to the National Kidney Foundation of Louisiana. In being awarded this prestigious award, Dr. Hamm joins other renowned awardees that includes Julio Figueroa, MD, Francisco Gonzalez, MD, John Lewy, MD, Dianne P. Barth, Joel Turner, Fred Husserl, MD, Kevin Krane, MD, Ernie Turner, Jr., Thomas Oelsner, MD, Luis Gabriel Uribe, MD and K. Trevor From, Jr., MD.

**THRCE investigator honored as the 2008 ASH Young Scholar**

**Minolfa Prieto-Carrasquero, MD, PhD,** was awarded the **2008 ASH Young Scholar’s award** which honors emerging leaders engaged in the research field of hypertension or related cardiovascular disease. As an honoree, Dr. Prieto-Carrasquero was invited to present a lecture at the award session; her lecture was titled, “**Role of Collecting Duct Renin and Prorenin receptor in Angiotensin II-Dependant Hypertension.**”

Dr. Prieto-Carrasquero, Assistant Professor in the Department of Physiology and an affiliate of the Tulane Hypertension and Renal Center of Excellence, was selected as one of three recipients for the award, which was presented at the **ASH 23rd Annual Scientific Meeting** at **New Orleans** on **May 16th, 2008.** As Dr. Prieto-Carrasquero’s mentor, Dr. L G Navar introduced her at the Awards Session.

**Tulane Research Days Awards THRCE Investigators**

THRCE investigators were amongst those who were recognized for their outstanding scientific research.

- **Romer Gonzalez-Villalobos, MD, PhD,** was awarded the Tulane University Health Sciences Center **2008, Senior Vice President Award for Excellence in Research and Presentation by a postdoctoral fellow.**
- **Satyabha Tripathi,** graduate student under Dr. Pandey mentorship, was awarded the **2008, Senior Vice President Award for Excellence in Research and Presentation by a Graduate Student**
- **Prerna Kumar, PhD,** was awarded the **International Academy of Cardiovascular Sciences –North America (IACS-NA) Young Basic Scientist Finalist Award.**
2008 Experimental Biology (EB) meeting

THRCE scientists attended the 2008 EB meeting that was held in San Diego, California from April 4th to April 8th, 2008. Various scientists presented their talks and posters. EB is a multi-society, interdisciplinary, scientific meeting featuring plenary and award lectures, symposia, oral and poster sessions, career services, and exhibits of scientific equipment, supplies, and publications. More than 13,000 scientists represent the sponsor and guest societies.

THRCE affiliates honored at the 2008 EB meeting

- Fady Botros, PhD, was awarded the 2008 APS Renal Section research recognition award for his abstract presentation.
- Romer Gonzalez-Villalobos, MD, PhD, was recognized for the Caroline tum Suden/ Frances A. Hellebrandt Professional Opportunity award for meritorious research.
- Ming Guo Feng, PhD, was awarded the EB 2008 Renal Featured Topic Award by Experimental Biology 2008 Renal Section.
- Prerna Kumar, PhD, was awarded the 2008 American Society for Biochemistry and Molecular Biology (ASBMB) Graduate/Postdoctoral travel fellowship.

Below are some EB Poster presentations
2008 Southern Regional Meeting honors THRCE affiliates

The Southern Society for Clinical Investigation, a professional society for medicine, is based in the Southern United States and is a sponsor of the American Journal of the Medical Sciences. Dr. L Lee Hamm, Chairman of the Department of Medicine and Co-Director of THRCE, was elected the organization’s 2007-2008 President. During the 2008 Southern Society for Clinical Investigation (SSCI) Meeting held at New Orleans between 21st and 23rd of February, 2008, several THRCE investigators and clinicians received Southern Section of the American Federation for Medical Research (SAFMR) awards. We would like to congratulate the following recipients:

SAFMR/SSCI Young Faculty Awards were awarded to:
- Minolfa Prieto-Carrasquero, MD, PhD.
- Sergiy Sukhanov, PhD.

SAFMR/SSCI Trainee Research Awards were awarded to:
- Leszek Dobrowolski, PhD, mentor Dr. Navar
- Prerna Kumar, PhD, mentor Dr. Pandey
- Luis Matavelli, MD, mentor Dr. Majid
- Mohammed Shahid, PhD., mentor Dr. Majid
- Wei Jian Shao, PhD., mentor Dr. Navar
- Di Zhao, MD, PhD, mentor Dr. Pandey

SAFMR/SSCI Student Research Awards were awarded to:
- Edwin Wu, MS, mentor Dr. Pandey
- Satyabha Tripathi, BS, mentor Dr. Pandey

Recipients of the Southern Regional Meeting Awards.
Recent publications


**BOOK PUBLICATIONS:**


In 2008, investigators and physicians affiliated with the T.H.R.C.E. have been involved in many activities at regional and international level.

**American Federation of Clinical Research: Southern Regional Meeting in New Orleans, Feb 21st - 23rd**

- **Dobrowolski L, Navar LG.** The Natriuresis Elicited by Systemic Nitric Oxide Synthesis Inhibition is not related to increases in Arterial Blood Pressure. *Oral presentation.*
- **Feng Z., Somanna NK, Hamm LL, and Hering-Smith KS.** Transforming Growth Factor Beta-1 Inhibits Epithelial Sodium Channel Activity In Cortical Collecting Duct Cells. *Oral presentation.*
- **Higashi Y, Holder K, and Delafontaine P.** Potential Mechanism For Atheroprotective Effects Of Thiazolidinediones: Uprogulation Of Insulin-Like Growth Factor-1 Receptor Expression And Signaling.
- **Matavelli LC, Wells JE, Castillo A, and Majid DSA.** Chronic treatment with a peroxynitrite scavenger attenuates blood pressure and improves renal hemodynamics in angiotensin II-induced hypertensive rats. *J. Invest. Med Abstract #56: A481*
- **Titterington J, Bowers C, and Delafontaine P.** Growth hormone releasing peptide-2 administration to dyslipidemic Mice.
Presentations

**48th Annual American Heart Association Epidemiology and Prevention Meeting, Colorado Springs, CO. March 11th-15th**

- Dr. Bazzano presented a talk titled, “Risk factors for left ventricular dilation in young adults: The Bogalusa Heart Study,” Abstract# P269.

**Tulane Research Days, New Orleans, March 26th-27th.**

- Berenson GS, Chen W, Srinivasan SR. Low Birth Weight is Associated with Elevated White Blood Cells in Black and White Young Adults: The Bogalusa Heart Study.
- Chen S, Bellew C, Yao X, Stefkova J, Dipp S, and El-Dahr S. Histone Deacetylases (HDACs) are critical epigenetic regulators of metanephric gene expression, growth and survival.
- Feng Z, Somanna NK, Hering-Smith KS, and Hamm LL. Transforming Growth Factor-β1 Inhibits Epithelial Sodium Channel Activity in Cortical Collecting Duct Cells.
- Pandey AK, Higashi Y, Sukhanov S, Titterington J, and Delafontaine P. Insulin-Like Growth Factor 1 Activates Glutathione Peroxidase and Inhibits Oxidative Stress in Human Endothelial Cells.
- Pottle JE and Li M. Conditional Expression of T-type Ca2+ Channels Is Vital For Breast Cancer Cell Proliferation.
- Ruan L, Chen W, Srinivasan SR, Toprak A, and Berenson GS. Gender-Specific Effect of Adiposity and Blood Pressure on Carotid Artery Lumen Diameter in Young Adults: The Bogalusa Heart Study.
- Shahid M, Francis J, Majid DSA. Renal responses to acute administration of human recombinant TNF-alpha in mice.
- Shao W, Seth DM, Navar LG. Augmentation of Endogenous Angiotension II Levels In Val5-Ang II Infused Rats.
- Srinivasan SR, Hallman MD, and Berenson GS. The Relationship between Birth Weight and Blood Pressure is Modulated by Beta-Adrenergic Receptor Genes: The Bogalusa Heart Study.
- Titterington JS, Bowers CY, and Delafontaine P. Growth Hormone-Releasing Peptide-2 Administration to Dyslipidemic Mice.
- Tripathi S, Kimonis KO, and Pandey KN. Inhibition of Vascular Endothelial Growth Factor-Stimulated Mitogen-Activated Protein Kinase and Downstream Signaling by
Guanylyl Cyclase-A/Natriuretic Peptide Receptor-A.

- **Vaughn CE, Sukhanov S, Titterington JS, and Delafontaine P.** Insulin-Like Growth Factor-1 Reduces the Expression of Pro-atherogenic Genes in the Aortae of ApoE Deficient Mice.

**Experimental Biology, San Diego, CA, April 4th - 8th**

Several investigators visited San Diego, California in order to attend the Experimental Biology Meeting. The following abstracts were presented:


- **Feng Z., Somanna NK, Hamm LL, and Hering-Smith KS.** TGF-β1 Effect on Cortical Collecting Duct. Poster presentation.


- **Jun S, Gonzalez-Villalobos RA, Pamela AL, Bachir MR, Boulares H, Palen D, Matrougui K.** Role of Advanced Glycation End Products and Oxidative Stress in Resistance Artery Dysfunction in Type 2 Diabetic mice.


- **Prieto-Carrasquero MC, Martin VL, Botros F, and Navar LG.** ProRenin/renin receptor is expressed in the collecting duct of normal rat kidney. Abstract #735.17.

- **Shahid M, Francis J, Majid DSA.** Renal vasoconstrictor and natriuretic effects of acute administration of human recombinant TNF-α in mice. FASEB J 22:923.3.


- **Matavelli LC, Wells JE, Castillo A, Majid DSA.** Chronic treatment with a peroxynitrite scavenger attenuates blood pressure and improves renal hemodynamics in angiotensin II-induced hypertensive rats. FASEB J 22: 1160.1

- **Xia H, Bindom SM, Feng Y, Raju SVM, Seth D, Navar LG, and Lazartigues E.** ACE2 prevention of oxidative stress in the brain is associated with a reduction in angiotensin II-induced sympathetic vasomodulation. Abstract #1236.3.
ASH Annual Scientific Meeting, NO, May 14th-17th

Investigators attended the annual ASH meeting held in New Orleans. The following are some presentations:


- **Pandey KN, Vellaichamy E.** Involvement of Renin-Angiotensin System in the Expression and Activation of IL-6 and TNF-a in Hypertrophied Hearts of Npr1 Gene-Disrupted Mice. Poster presentation, P-222.

- **Prieto-Carrasquero MC, Role of Collecting Duct Renin and Prorenin Receptor in Angiotensin II-dependant Hypertension. Lecture personated at the “Young Scholars Award ” Awards Plenary Session.**

- **Prieto-Carrasquero MC, Martin VL, Botros FT, Navar LG.** Pro-Renin Receptor (PPR) and Renin Co-Localization in Principal Cells of Collecting Ducts of Normal Rat Kidney. Poster presentation, P-244.

- **Toprak A, Wang H, Chen W, Paul T, Srinivasan S, Berenson G.** Obesity is a determinant of Left Ventricular Remodeling in Young Adults: Bogalusa Heart Study. Poster presentation, P-92

THRCE investigators and physicians were invited to lecture at various national and international events.


Dr. Lydia Bazzano presented “Folic Acid Supplementation and Cardiovascular Disease,” at Tulane Medicine Grand Rounds Sessions on January 30th, 2008.

Dr. Khalid Matrougui was invited to present at an Experimental Biology meeting symposium held in San Diego on April, 2008. The title of his talk was, “Role of metalloproteases on microvessels reactivity and structure.”

Dr. Ihor Yosypiv gave a lecture at the Keio Medical Society Meeting at Keio University in Tokyo on May 9th, 2008. The title of his lecture was, "Role of the Renin-Angiotensin system in the development of Ureteric Bud and Renal Collecting System."

Dr. Jing Chen
- She also presented “Accuracy in GFR estimates and prevalence of chronic kidney disease in US” at the Nephrology and Hypertension Journal Club on Jan. 28th, 2008.

Dr. L. Gabriel Navar:
- Dr. Navar was the invited speaker at the Division of Nephrology, Huashan Hospital of Fudan University in Shanghai, China on April 25, 2008. The title of his talk was, “The renal intratubular/interstitial renin-angiotensin system in hypertension”
- He was invited as the Keynote Speaker at the ASN International Forum of Renin Angiotensin System in Shanghai, China. His talk, titled “The renal intratubular/interstitial renin-angiotensin system in hypertension” was presented on April 26, 2008.
Continued...

• Dr. Navar was invited to speak at the Northwestern University, Chicago, on May 8, 2008. The talk presented was titled, “The renal Intratubular/interstitial renin-angiotensin system in hypertension.”

• On May 17, 2008, Dr. Navar Co-Chaired a session headed, “Neural Mechanisms of Hypertension.” at the 23rd ASH Annual Scientific Meeting, held in New Orleans, Louisiana.

Dr. Patrice Delafontaine:

• On January 17, 2008, Dr. Delafontaine was invited to speak at the University Hospitals Case Medical Center/Case Western Reserve University in Cleveland Ohio. His talk presented was titled, “Insulin-like Growth Factor-1 and Cardiovascular Disease.”

• At the University of North Carolina Medical School, Chapel Hill North Carolina, Dr. Delafontaine presented, on January 24, 2008, “Insulin-like Growth Factor-1 and Cardiovascular Disease.”

• On February 22, 2008, Dr. Delafontaine was invited to present a State-Of-The-Art Lectures; he presented, “Insulin-like Growth Factor-1, Oxidant Stress and Atherosclerosis”, at the Southern Society For Clinical Investigation - International Academy Of Cardiovascular Sciences Na Chapter, New Orleans.

• At the Cardiovascular Research Institute (CVRI) at University of Rochester, New York, Dr. Delafontaine presented, “Insulin-like Growth Factor-1, Oxidant Stress and Atherosclerosis”, on March 5, 2008.

• Dr. Delafontaine was invited to present a talk titled, “Insulin-like Growth Factor-1, Oxidant Stress and Atherosclerosis,” at the Ochsner Basic Science in Clinical Medicine Lecture Series and Cardiology grand rounds, in Jefferson, Louisiana on March 12, 2008.
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<td>March 13</td>
<td>John C. McGiff, MD</td>
<td>EETs and HETEs: From Rat to Man.</td>
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<td>March 14</td>
<td>Norman Rosenblum, MD</td>
<td>Bone Morphogenetic Proteins Control Ureteric Branching and Nephron Number.</td>
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<td>March 20</td>
<td>No Seminar, Easter Break</td>
<td>Anupam Agarwal, MD</td>
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<td>April 3</td>
<td>L. Gabriel Navar, PhD</td>
<td>CASCADE OF PRESSURE NATRIURESIS MECHANISM: How does it happen and what does it mean?</td>
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<td>April 17</td>
<td>Jiang He, MD, PhD</td>
<td>Salt Sensitivity of Blood Pressure.</td>
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<td>May 1</td>
<td>M. A. &quot;Tonette&quot; Krousel-Wood, MD, MSPH</td>
<td>Adaptive responses in renal and vascular injury: Role of heme oxygenase-1</td>
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<tr>
<td>May 8</td>
<td>Anupam Agarwal, MD</td>
<td>Adaptive responses in renal and vascular injury: Role of heme oxygenase-1</td>
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<td>May 15</td>
<td>Naomi Deirdre Fisher, MD</td>
<td>The Role of Renin Inhibition in Pursuit of Optimized RAS Blockade: Evidence from the Kidney.</td>
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<td>May 19</td>
<td>William J. Arendshorst, PhD</td>
<td>Regulation of Renal Vascular Reactivity by a Novel Calcium Signaling Mechanism: ADP Ribosyl Cyclase and Ryanodine Receptors.</td>
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<td>May 29</td>
<td>Joseph Francis, PhD</td>
<td>Role of inflammatory molecules in hypertension.</td>
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### THRCE Seminars, continued...

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| **June 5** | **Mark C. Chappell, PhD**      | Associate Professor, Hypertension & Vascular Disease Center, Department of Physiology & Pharmacology, Section of Molecular Medicine, Wake Forest School of Medicine, Winston-Salem, NC.  
“Sex, Salt and the Renin-Angiotensin System: Studies in the Congenic mRen2.Lewis Strain.” |
| **June 26**| **Thomas W Gettys, PhD**       | Professor & Chief, Experimental Obesity Division, Pennington Biomedical Research Center, Baton Rouge, LA.  
“Discovery of a novel splice variant of PPAR gamma co-activator 1 alpha and identification of its unique role in adaptive thermogenesis.” |
| **July 10**| **Walter Lee Murfee, PhD**     | Assistant Professor, Department of Biomedical engineering, Tulane School of Medicine, New Orleans, LA.  
“Understanding how Microvascular Networks grow in the adult: The structure of the Microcirculation during hypertension” |
| **July 24**| **M. A. "Tonette" Krousel-Wood, MD, MSPH** | Associate Provost for the Health Sciences & Associate Dean, Clinical Professor of Epidemiology, Tulane School of Public Health & Tropical Medicine, New Orleans, LA.  
Seminar topic TBA |
| **August 7**| **No Seminar**                 |                                                                                                                                            |
| **August 14** | **Willa A. Hsueh, MD**        | Diabetes Research Center (DRC), Methodist Hospital Research Institute (TMHRI), Houston, TX  
Seminar topic TBA  
**Seminar sponsored by Merck** |
| **August 21** | **Mark P. de Caestecker, MD, PhD** | Assistant Professor, Division of Nephrology, Vanderbilt University Medical Center, S-3223, Medical Center North, Nashville, TN  
Seminar topic TBA |
| **September 4** | **Bernardo Rodriguez-Iturbe, MD** | Professor of Medicine, Hospital Universitario de Maracaibo & Universidad del Zulia, Maracaibo, Venezuela.  
“The Relationship of Renal Angiotensin and Renal Inflammation in Experimental Hypertension.”  
**International Speaker** |

**Conferences are held alternative Thursdays at 4:00pm in the Tulane Medical School, Pharmacology Library, Room 4700.**

**Denotes the seminar date is not our normally scheduled day.**
**THRCE Welcomes New Appointments**

Md. Abdul Hye Khan, PhD, joined the Physiology Department as a Post-Doctoral Fellow in Dr. Dewan SA Majid’s Laboratory in March, 2008. Dr. Khan has earned his Ph.D. in Physiology in January, 2008 from Universiti Sains Malaysia, Penang, Malaysia. His research focus on the adrenergic control of renal hemodynamics and function. He is also working on nitrosative-oxidative balance in physiological and pathological states.

Mohammed Toriquil Islam, BS, recently joined Dr Majid’s laboratory as Research Technician. He is trained as Biochemist from University of Dhaka, Bangladesh and is currently involved in a research project elucidating the mechanistic role of NO-O₂ balance in the pathogenesis of hypertension.

Chengrong (Helen) Sun, PhD, recently joined the Physiology Department as a Post-Doctoral Fellow in Dr. Ming Li’s laboratory. Dr. Sun received her PhD in 2007 from the Dalian Medical University in China.

Lydia Bazzano, MD, PhD, a COBRE junior Investigator, was recently appointed to the Society of General Internal Medicine’s Evidence Based Medicine Task Force.

**Announcement**

The Hypertension Center would like to recognize the generous support from Takeda Pharmaceuticals North America, Inc.

Through an Educational Grant, Takeda sponsors both the out-of-town guest speakers to present at the THRCE Seminar Series and the publication of the THRCE newsletters.

**Awards**

At the 23rd Annual Scientific Meeting of the American Society of Hypertension held in New Orleans on May, 2008, Satyabha Tripathi, BS, was selected for the American Society of Hypertension (ASH) Young Investigator Travel Award. Mr. Tripathi is a graduate student under the mentorship of Dr. Kailash N Pandey.

**T.H.R.C.E.**

TULANE HYPERTENSION AND RENAL CENTER OF EXCELLENCE

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The directors invite faculty members interested in participating in the activities of the T.H.R.C.E. to submit your name, phone number, fax number, and e-mail address to the Program Coordinator, Nina Majid by e-mail at htnctr@tulane.edu or regular mail to the address provided. Also, please forward all information (awards, publications, presentations and other news items) to this email address for inclusion in the next newsletter.