



Fall 2011 NEWSLETTER

Executive Committee Reports

Greetings from the President: Zhou Wang, Ph.D.

Dear Colleagues:

SBUR had a successful 2011 Spring meeting on the Saturday prior to the start of the annual AUA meeting in Washington, DC. The morning session was organized in conjunction with the Society for Urologic Oncology, and the theme was "Therapy Resistance in Urologic Cancer". The Donald Coffey Lectureship was delivered by Dr. Charles Sawyers, a Howard Hughes Investigator. One of the afternoon sessions addressed "Recent Advances in BPH-LUTS research: Linking Basic Research to Clinical Symptoms", and was organized by Dr. Travis Jerde. The other afternoon session was organized by Dr. Shu-Yuan Yeh and the theme was "Recent Advances of Nuclear Receptor Actions in Urological Cancers".



The SBUR played an important role in organizing the pre-AUA Research Basic Science Symposium sponsored by the NIDDK and AUA Foundation. The theme of the symposium was on stem cell biology. In addition, SBUR has participated at the organization of the AUA Foundation Summer Research Conference on Aging and Urological Disease in July. Both of the meetings were well attended. SBUR will continue to work with the AUA Foundation in these important activities.

SBUR is also working together with the European Section of the Urological Research (ESUR) in organizing the 9th World Congress on Urological Research, which will be held in Innsbruck, Austria from 15-17 September 2011. The theme of the congress is Molecular Pathology and Experimental Models of Urological Diseases. Dr. Zoran Culig, the Congress President and the organizing committee have put together a very stimulating program. This congress will provide a great opportunity for experienced and young investigators from different countries to discuss and interact.

Our society has significantly improved its financial shape, thanks to our past Treasurer, Dr. Marianne Sadar, previous SBUR Executive Board, and WJ Weiser and Associates. The society is fortunate to have the Coffey Lectureship and the Leland Chung Lectureship endowments which help to offset expenses for travel awards.

I would also like to give a special thanks to our past president, Dr. David Jarrard, for his dedication and

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outstanding services. Under his leadership, SBUR has strengthened their interaction with AUA and other AUA societies. He has been instrumental for the development of standard operating procedures to assist incoming SBUR board members.

Time flies and the 2011 SBUR Fall Annual Meeting is coming. Dr. Ralph Buttyan and the organizing committee, working together with WJ Weiser and Associates, have done a fabulous job of organizing the fall symposium, which will be held in Las Vegas, Nevada from November 10-13, 2011. The theme of the symposium will be on Exploring the Developmental Paradigms that Underlie Urological Diseases. Leading experts from diverse areas will present their cutting edge research in developmental biology, hormone action, and signal transduction in the context of both development and urological disease. The annual Leland Chung Lecture will be delivered by Dr. Jeremy Reiter from the University of California, San Francisco. This year SBUR will present its Meritorious Achievement Award to Dr. Nicholas Bruchofsky, honorary Professor of Medicine at the University of British Columbia and emeritus clinical scientist at the Prostate Center at the Vancouver General Hospital. Dr. Bruchofsky is a pioneer in elucidating the mechanisms of actions of testosterone and DHT and control of prostate tumor growth by these two important androgens, and he also played a key role in the development of intermittent androgen deprivation therapy. In addition, winners of 2011 SBUR Young Investigator Awards will be recognized at the symposium. I welcome all of you to attend this exciting meeting, and I look forward to seeing you all soon. Your participation at SBUR activities is essential to the mission of our society.

Vice President's Report: Vinata Lokeshwar, Ph.D.



I am humbled to have been elected as the Vice-President of the SBUR. With Dr. Zhou Wang at the helm, I strongly believe that we will continue on the path of progress that was so diligently charted out by the past SBUR Presidents, including our immediate past Presidents, Drs. Simon Hayward and David Jarrard.

As the first task of a Vice-President of the SBUR, together with Dr. Zhou Wang and the Society of Urologic Oncology Program Committee Chair, Dr. Edward Messing, I am currently planning for the SBUR-Spring 2012 Meeting. The theme of this meeting will be **“Personalized Medicine in Urology - Tumor markers and Targeted Therapies”**. In recent days, personalized medicine has become a favorite topic of even the main stream News Media. Since Urology is always at the forefront of novel technologies (“gadgets”), surgery and medicine, we felt that Personalized Medicine in Urology will be a timely theme for the SBUR-SUO joint meeting. As has been my passion, in addition to putting together an awesome scientific program, I am committed to working closely with WJ Weiser and Associates to raise funds for both the Spring and Fall Meetings, to strengthen the financial health of our society. Hopefully, the topics such as “Personalized Medicine” which have a broad appeal will help us attract industry and membership support for these meetings.

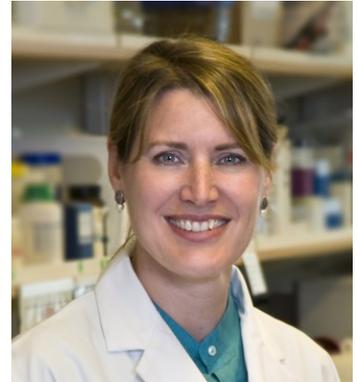
As the Vice-President of the SBUR, I am undertaking another initiative that is important for our society. I want to appeal to each reader that nothing helps the society more than a timely payment of membership dues. Maintaining and increasing membership not only means more collection of membership dues, but it also translates into attracting industry support for our meetings. Therefore, if you get a reminder from Mr. Zastrow, Associate Director, WJ Weiser and Associates, or a “Personalized” e-mail from me, please pay your membership dues. Membership dues for the SBUR are only a fraction of the dues for the membership in the AUA (even for an Affiliate status), AACR and

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others. Yet, the SBUR provides us an umbrella to network with colleagues in our field, meetings that cater to our research and to share triumphs and tribulations that we all face as urology researchers – basic and clinical. Therefore, won't you all pay the membership dues on time! We are maintaining our society, one member at a time. Thank you and all of you have a great Fall-season to follow. My very best to you all from sunny and yes, cool Miami!

A Note from the SBUR Outgoing Treasurer: Marianne Sadar, Ph.D.

My tenure as Treasurer of the SBUR is now over and the position has been handed-over to the capable hands of Dr. Robert Sikes. Reflecting on my four years of service brings to mind a diverse mixture of emotions and memories. Within days of the announcement that I was the new Treasurer in 2007, was the announcement of the housing collapse and start of the global economic crisis that would last throughout my entire tenure. Dollars to support the SBUR meetings were in danger of drying-up quicker than spilled gasoline on a Texan sidewalk in August. Scientific meetings are the society's main source of revenue, which the Society then invests conservatively to support the next meeting, and so the economic crisis was in danger of affecting both our meeting attendances and our investment returns. However, I felt lucky that the SBUR Executive Board and its management group, WJ Weiser and Associates, was so solid and conservative and at the same time, creative and resourceful. We were able to navigate through these difficult economic times successfully. Working with the Executive Board has been an invaluable experience. In particular, the passion and dedication of these individuals have been inspiring. I feel honored to have served with them and can say that this was one of the most rewarding experiences of my career. I plan to continue to assist Dr. Robert Sikes and the SBUR Executive Board in whatever capacity I can in the current year.



See you in Las Vegas!

Treasurers Report: Robert Sikes, Ph.D.



First, I would like to take this opportunity to express my gratitude to you, our members and sponsors, for your continued support of the SBUR. Without your continued support through sponsorship, membership dues, and meetings registrations, the SBUR would not be able to bring to you the quality of meetings and travel awards that the SBUR has been able to deliver. Thank you, one and all. Second, I am pleased to report to the membership that the SBUR is financially sound. The upcoming fall meeting in Las Vegas, Nevada, will provide a new venue for the SBUR in a popular destination. Your continued support is greatly appreciated. See you there.

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Secretary's Report: Jill A. Macoska, Ph.D.

Now well into the second year of my service as Secretary, I can truly say that this has been a busy and productive year for the SBUR! I am very pleased to serve on the organizing committee and head up the Abstracts Review committee for the 2011 SBUR Fall Symposium. This upcoming meeting is very exciting, thanks to Organizing Committee Chair, Ralph Buttyan, and the hard work of all the Committee Members. As part of the Organizing Committee for the 2011 Fall SBUR Symposium and as Chair of the Organizing Committee for the 2012 Fall SBUR Symposium, I will continue to honor my commitment to ensure that NIH Program and other funding officials attend and participate in these events so that SBUR members have the opportunity to interact with them and learn how to achieve funding for their research programs. Another commitment, to provide the means for membership communication, is realized in part by these meetings and this Newsletter.



Hope to see you all in Vegas in November! *Note bene:* Look forward to the 2012 SBUR Fall Symposium, which will be held in Miami, and will celebrate the **25th Anniversary of the founding of the SBUR and 25 years of outstanding scientific research by the SBUR membership!**

Meeting Reports

BASIC SCIENCE SYMPOSIUM

'Stem Cells In Urologic Diseases'

May 13, 2011, 1-6pm

Walter E. Washington Convention Center, Room 143 A/B/C, Washington D.C

This event was a joint effort by the AUA Foundation, the SBUR, and the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK). SBUR President, Dr. Zhou Wang, co-organized the meeting with Dr. Deborah Hoshizaki of the NIDDK. Prominent investigators in stem cell research presented cutting edge research findings and the tools in stem cell research and the potential applications of stem cell in urological diseases. Speakers included Drs. Candace Kerr (Hopkins), Benjamin Humphreys (Harvard), Catherine Mendelsohn (Columbia), and Michael Shen (Columbia). Dr. George Christ (Wake Forest) led a lively panel discussion.

SBUR SPRING 2011 MEETING AT THE AUA

"Therapy Resistance of Urologic Cancer"

May 14, 2011

Grand Hyatt Washington, Washington, DC

– Contributed by Rosalyn Adam, Ph.D.

This year's Spring Meeting, held in conjunction with the Society for Urologic Oncology at the AUA Annual Meeting in Washington, D.C., was focused on the theme 'Therapy Resistance of Urologic Cancer'. The turnout for the meeting was excellent, with 178 SBUR and SUO members attending the joint morning session. Participants were treated to several excellent presentations on mechanisms whereby tumor cells acquire resistance to different therapeutic agents, and the clinical implications of such changes. Talks from across the spectrum of urologic oncology were given, and ranged from those focusing on fundamental mechanisms of tumor cell behavior by **John Lewis, PhD**, to pre-clinical studies by **Natasha Kyprianou, MD, PhD**, **Aria Olumi, MD** and **Dan Theodorescu, MD, PhD** to those

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describing results of clinical trials for prostate cancer by **Martin Gleave, MD**. The morning session was rounded off with the Donald S. Coffey Lectureship delivered by **Charles Sawyers, MD** of Memorial Sloan-Kettering Cancer Center, who gave a tour-de-force lecture entitled 'Next Generation Antiandrogen Therapy'. This was a truly inspiring presentation that captured the essence of translational research in the 21st century.

In the afternoon, attendees were treated to two stimulating breakout sessions moderated by **Travis Jerde, PhD** and **Shu-Yuan Yeh, PhD**. One session focused on recent advances in BPH-LUTS research, with the goal of linking basic research to symptoms whereas the other discussed recent advances in nuclear hormone receptor activity in prostate and bladder cancer. Both groups of talks provoked robust discussion among the participants and addressed some of the challenges encountered in translational research in the current era.

At the Business Luncheon for SBUR members, **Fray Marshall, MD** was honored with the SBUR Distinguished Service Award and **Linda Baker, MD** received the SWIU/SBUR Award for Excellence in Urologic Research. **Trinity Bivalacqua, MD, PhD** was also recognized with a Young Investigator Award from the Society.

AUA FOUNDATION / SBUR SUMMER RESEARCH CONFERENCE

'Aging and Urologic Disease'

July 16-17, 2011

AUA Headquarters, Linthicum, MD

The program was co-organized by Dr. Tomas Griebing from the University of Kansas, Dr. Philip Dahm from the University of Florida, and SBUR Secretary Dr. Jill Macoska from the University of Michigan. Presentations were made from leading experts in the urological community with sessions on "Common Urologic Conditions in Aging," "Common Geriatric Syndromes," "Basic Sciences in Aging Research," "Health Services & Health Policy," and "Translational Research and the Future." The conference also featured a poster session and talks from National Institutes of Health training officers on career development and funding opportunities. Zongwei Wang, Ph.D., from the Massachusetts General Hospital and laboratory of SBUR member Dr. Aria Olumi, won the award for best poster. Congratulations, Dr. Wang!

Minutes from the Spring 2011 Business Meeting

The SBUR 2011 Spring Business Meeting was held on Saturday, May 14, 2011, at 11:45-1:25pm at the Grand Hyatt in Washington, D.C. SBUR President Zhou Wang called the meeting to order. Outgoing President David Jarrard provided parting thoughts. Marianne Sadar provided the Treasurer's Report which included the current balance sheet and operating statement. As of May 14, 2011, the SBUR assets exceeded liabilities and the statement showed a positive balance of \$12,061. SBUR Secretary Jill Macoska then gave a report from the Membership Committee and requested approval for 41 new memberships, which was granted. Robert Getzenberg from the Awards Committee announced Fray Marshall as the recipient of the Distinguished Service Awards; Linda Baker as the recipient of the SWIU/SBUR Award for Excellence in Urologic Research, and Trinity Bivalacqua as a recipient of the 2010 Young Investigator Award. Simon Hayward from the Nominating Committee welcomed incoming Board Members Vinata Lokeshwar (Vice-President), Robert Sikes (Treasurer) and Cindy Miranti (Member-at-Large) and acknowledged outgoing Members David Jarrard and Marianne Sadar. SBUR President Zhou Wang reminded members to register for the 2011 SBUR Fall Symposium and adjourned the meeting.

SBUR Fall Symposium Information Enclosed

NIH News

Contributed by Deborah Hoshizaki, Ph.D.

Program Director,
Kidney and Urogenital Development; Kidney and Urology Regeneration and Repair
Division of Kidney, Urologic and Hematologic Diseases (KUH)
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)

Changes in study NIH sections: UKGD is becoming UGPP. The NIH Center for Scientific Review (CSR) has announced that beginning in October 2011, the new Urologic and Genitourinary Physiology and Pathology (UGPP) study section will replace the Urologic and Kidney Development and Genitourinary Diseases (UKGD) study section. The new study section will review applications concerning physiological and pathophysiological processes of the lower urinary tract, male reproductive organs, female pelvic floor, urolithiasis, and microbial infection and inflammation in the lower urinary tract. Normal and abnormal development of organs of the upper and lower genitourinary tract has been moved to KMBD which use to be CMBK. For more information, visit the following websites:

<http://cms.csr.nih.gov/PeerReviewMeetings/CSRIRGDescriptionNew/DKUSIRG/UGPP.htm>

<http://cms.csr.nih.gov/PeerReviewMeetings/CSRIRGDescriptionNew/DKUSIRG/KMBD.htm>.

Resubmission of grant applications: Evaluation of Unallowable Resubmission and Overlapping Application. NIH limits the number of times you can resubmit an application with essentially the same content and scope as an earlier application. Rules and policies published in the NIH Guide include detailed guidance about the standards and limitations used by NIH to evaluate potential duplicate and overlapping applications: NOT-OD-10-080 and NOT-OD-09-100. For more information, visit the following website:

<http://cms.csr.nih.gov/ResourcesforApplicants/OverlapEvaluation.htm>

Upcoming Events

Mechanisms of Organ Repair & Regeneration

September 13-16, 2011

Turf Valley Hotel, Ellicott City, MD

This meeting is sponsored by the NIDDK and is designed to bring together experts from cancer, angiogenesis, development, stem cell biology and innate immunity to discuss and stimulate debate on injury response mechanisms and facilitate the building of cross-disciplinary approaches towards understanding kidney and urinary tract organ repair and regeneration. For more information and to register for the meeting, visit the following website:

<http://www3.niddk.nih.gov/fund/other/morr/index.htm>

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2011 SBUR Fall Symposium

*“Exploring the Developmental
Paradigms that Underlie
Urological Diseases”*

November 10 – 13, 2011

Hard Rock Hotel & Casino
Las Vegas, Nevada

**Register by October 14, 2011 to
receive pre-registration,
discounted pricing!*

S B U R 2011

Welcome

Plan your abstract submissions now!
Abstracts will be accepted online
only. The submission deadline is
September 2, 2011.

Travel awards will be offered!



Friends and colleagues:

I would like to invite you to attend the 2011 Society of Basic Urologic Research Fall Meeting in Las Vegas, Nevada. The theme of the symposium is exploring the developmental paradigms that underlie urological diseases. The symposium will take place at the Hard Rock Hotel and Casino, Las Vegas from November 10 – 13, 2011. Dr. Ralph Buttyan and the organizing committee have put together an outstanding program, which will provide cutting-edge research findings relevant to urological disease.

The symposium will have speakers from different research areas, including developmental biology, hormone action, and signal transduction that are important for both development and urological disease. The meeting will start with the annual Leland Chung Lecture, to be delivered by Dr. Jeremy Reiter, MD, PhD from the University of California, San Francisco. His presentation will focus on primary cilia in health and disease. Plenary sessions will include 1) “Embryonic Morphogens and Their Contribution to Urological Diseases”; 2) “New Insights on the Steroid Influence on Normal and Abnormal Development”; 3) “Determinants of Tissue Specific Development” and 4) “Genetic, Epigenetic and Stem Cell Determinants of Development and Disease.” The meeting will also include a special session on “Controversies in Urology – Unexpected Genomic Actions of the Androgen Receptor in Advanced Prostate Cancer.” There will also be a workshop entitled “Testosterone: Can’t Live Without It; Can’t Live With It!” to address some of the key issues related to the roles of testosterone in urological disease. In addition, there will be highly interactive poster sessions. A new feature of this symposium will be the presentation by SBUR international partners, which will provide a platform to stimulate potential international collaborations for basic urological researchers. And finally, as recognition for outstanding contributions to the field of basic urological research, the SBUR Meritorious Award recipient will be honored at the annual banquet.

Las Vegas is an ideal place for the 2011 SBUR Fall Symposium and will provide plenty of opportunities for entertainment and sightseeing. Junior investigators at this meeting will be able to present their work and discuss research with their colleagues including many of the leaders in the field. For senior investigators, this meeting will provide an opportunity for them to promote their research and may establish new research directions and/or collaborations. This meeting will also provide great opportunities for graduate students and post-doctoral fellows in the field relevant to urological disease, and they should all be encouraged to attend this outstanding meeting. Travel awards will be available for young investigators.

I would like to encourage each of you to consider attending this exciting annual meeting. The topic is fundamentally important and will impact basic, translational and clinical urological research. Outstanding speakers will bring their unique perspectives and cutting-edge research findings to the urology research community. Las Vegas is an exciting place to visit and the meeting will be very educational and interactive. I look forward to seeing all of you at the SBUR Fall Symposium.

Zhou Wang, PhD
President, Society for Basic Urological Research
University of Pittsburgh

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*Special Thanks to Our
2010 Fall and 2011 Spring SBUR
Industry Partners and Grant Providers.*

We Invite Your Continued Support in 2011!

Abbott Laboratories

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QDX Pathology Services

**NEW Corporate Membership
Category Approved**

Successful commercial and non-profit organizations pursue opportunities to develop mutually beneficial partnerships and other collaborative relationships. SBUR has taken time to carefully listen to the needs of its industry colleagues, and as a result, is now proud to unveil a new corporate membership program that seeks to benefit all who are involved in urology and urologic research.

Corporate membership in SBUR demonstrates an organization's commitment to urologic research and provides invaluable visibility and networking opportunities within the urologic research community. Laboratory suppliers, as well as pharmaceutical and biotechnology companies whose research interests intersect with our memberships, can benefit from participation in the SBUR. SBUR includes members who can act as consultants, sounding boards and research development collaborators for companies looking to develop products for application in urologic disease.

Please invite your industry colleagues to join SBUR today! Let's begin to work together toward our common goals of better patient care.

For more information have them contact Donna Kelly at donna@wjweiser.com or (847) 264-5920.

2011 SBUR Fall Symposium Faculty

Larry Baskin, MD
Peter Black, MD
Simon Hayward, PhD
Hannelore Heemer, PhD
Travis Jerde, PhD
Susan Kasper, PhD
Susan Keay, MD, PhD
Evan T. Keller, DVM, PhD
Dolores Lamb, PhD
Lei Li, PhD
Jill Macoska, PhD
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Jeremy Reiter, MD, PhD
William Ricke, PhD
Normal Rosenblum, MD
Marianne Sadar, PhD
Barry Timms, PhD
Karen Veverka, PhD
Zhou Wang, PhD
Elaine L. Wilson, PhD
Wei Yan, PhD

11:10 a.m. – 11:40 a.m.	Identification of de Novo Copy Number Variants Associated with Human Disorders of Sexual Development Dolores Lamb, PhD Baylor University College of Medicine, Houston, TX
11:40 a.m. – 12:00 p.m.	Travel Award Winner Podium #1 (<i>Travel Award Recipient</i>)
12:00 p.m. – 1:00 p.m.	Lunch / Industry Sponsored Symposium
1:05 p.m. – 1:15 p.m.	AUA Foundation Update
1:15 p.m. – 3:10 p.m.	<u>Plenary Session II</u> New Insights on the Steroid Influence on Normal and Abnormal Development
1:15 p.m. – 1:20 p.m.	Introduction Moderator: TBD
1:20 p.m. – 1:50 p.m.	Estrogen Effects on Prostate Development Barry Timms, PhD Sanford School of Medicine, University of South Dakota, Vermillion, SD
1:50 p.m. – 2:20 p.m.	FoxA1 Guides Androgen Action in the Prostate Gland Robert Matusik, PhD Vanderbilt University, Nashville, TN
2:20 p.m. – 2:50 p.m.	Hormone-Mediated Reactivation of Stroma in BPH William Ricke, PhD University of Wisconsin School of Medicine, Madison, WI
2:50 p.m. – 3:10 p.m.	Travel Award Winner Podium #2 (<i>Underserved Minority Travel Award Recipient</i>)
3:10 p.m. – 3:30 p.m.	Break
3:40 p.m. – 5:05 p.m.	<u>Controversies in Urology</u> Unexpected Genomic Actions of the Androgen Receptor in Advanced Prostate Cancer Moderators: Marianne Sadar, PhD James Mohler, MD
3:40 p.m. – 3:50 p.m.	Background and Overview Marianne Sadar, PhD Genome Sciences Center, BC Cancer Agency, Vancouver, BC, Canada
3:50 p.m. – 4:20 p.m.	Androgen Receptor Tethering Enables Functional Interactions at Genome Sites Outside Traditional AREs Manohar Ratnam, PhD University of Toledo College of Medicine, Toledo, OH
4:20 p.m. – 4:50 p.m.	Androgen Receptor Targets a Distinct Subset of Genes Regulated by the Serum Response Element for Androgen-Independent Growth Hannelore Heemers, PhD Roswell Park Memorial Cancer Institute, Buffalo, NY
4:50 p.m. – 5:05 p.m.	Follow-Up and Discussion James Mohler, MD Roswell Park Memorial Cancer Institute, Buffalo, NY
5:05 p.m.	Adjourn Until Poster Session
5:30 p.m. – 7:30 p.m.	Poster Session I

SATURDAY, NOVEMBER 12, 2011

7:00 a.m. – 5:30 p.m.	Registration
7:00 a.m. – 7:00 p.m.	Exhibit Hall Open
7:00 a.m. – 8:15 a.m.	Continental Breakfast

- 8:30 a.m. – 12:00 p.m.** [Plenary Session III](#)
Determinants of Tissue Specific Development
- 8:30 a.m. – 8:40 a.m.** **Introduction**
Moderator: Jill Macoska, PhD
- 8:40 a.m. – 9:10 a.m.** **AUA Lecture, Complications of Penile Development**
Larry Baskin, MD
UCSF Medical Center, San Francisco, CA
- 9:10 a.m. – 9:40 a.m.** **Hedgehog Therapy for Erectile Dysfunction**
Carol Podlasek, PhD
Feinberg School of Medicine, Northwestern University, Chicago, IL
- 9:40 a.m. – 10:10 a.m.** **Metabolic Discrimination of Prostate and Bladder Development**
Simon Hayward, PhD
Vanderbilt University, Nashville, TN
- 10:10 a.m. – 10:40 a.m.** **Break**
- 10:40 a.m. – 11:10 a.m.** **Neuropilins in the Bladder**
Roselyn Adams, PhD
Children’s Hospital / Harvard University, Boston, MA
- 11:10 a.m. – 11:40 a.m.** **Aging Influence on the Inflammatory Environment of the Prostate**
Jill Macoska, PhD
University of Michigan, Ann Arbor, MI
- 11:40 a.m. – 12:00 p.m.** **Travel Award Winner (TBA)**

12:00 p.m. – 1:30 p.m. **Lunch Break**

1:30 p.m. – 4:20 p.m.	Workshop Testosterone: Can’t Live Without It; Can’t Live With It!
1:30 p.m. – 2:30 p.m.	SMSNA Invited Lecture The Testosterone Biosynthetic Pathway Noel N. Kim, PhD Institute for Sexual Medicine, San Diego, CA
	Confronting Male Menopause John P. Mulhall, MD Memorial Sloan-Kettering Cancer Center, New York, NY
2:30 p.m. – 3:00 p.m.	The Androgen Dilemma in Prostate Cancer James Mohler, MD Roswell Park Memorial Cancer Institute, Buffalo, NY
3:00 p.m. – 3:20 p.m.	Reconsidering ERα as a Target for Testosterone Blockade Ron A. Morton, Jr., MD, FACS GTX, Inc., Nashville, TN
3:20 p.m. – 4:00 p.m.	Targeting the AR N-Terminal Domain with a New Class of Drugs Marianne Sadar, PhD Genome Sciences Center, BC Cancer Agency, Vancouver, BC
4:00 p.m. – 4:20 p.m.	Discussion

4:30 p.m. – 4:50 p.m. [International Scholars Lecture](#)
PRLZ in Prostate Cancer
Lei Li, PhD
China

5:00 p.m. – 7:00 p.m. **Poster Session II**
7:30 p.m. – 10:30 p.m. **Annual Banquet & Awards Presentations**

SUNDAY, NOVEMBER 13, 2011

7:30 a.m. – 11:30 a.m. **Registration**
7:30 a.m. – 8:15 a.m. **Continental Breakfast**

8:15 a.m. – 9:45 a.m.

Genetic, Epigenetic and Stem Cell Determinants of Development and Disease

8:15 a.m. – 8:45 a.m.

Vitamin D3 Modulation of MicroRNA Expression in Prostate Cancer: Therapeutic Implications

Martin Tenniswood, PhD
University of Albany, SUNY, Albany, NY

8:45 a.m. – 9:15 a.m.

Use of Transposons to Identify Genes Involved in Prostate Cancer

Paul Marker, PhD
University of Wisconsin, Madison, WI

9:15 a.m. – 9:45 a.m.

Pi RNAs in Testis Development

Wei Yan, PhD, MD
University of Nevada at Reno, Reno, NV

9:45 a.m. – 10:00 a.m.

Break

10:00 a.m. – 10:30 a.m.

Defining the Prostate Stem Cell

Elaine L. Wilson, PhD
New York University School of Medicine, New York, NY

10:30 a.m. – 11:00 a.m.

Stem Cell-Ness in Prostate Malignancy

Susan Kasper, PhD
University of Cincinnati, Cincinnati, OH

11:00 a.m. – 11:20 a.m.

Travel Award Recipient (TBA)

11:20 a.m. – 11:30 a.m.

Farewell

Zhou Wang, PhD, President SBUR

GENERAL MEETING INFORMATION

Travel Awards

A limited number of travel awards will be provided to junior researchers. Students, post-doctoral fellows and junior faculty below the level of assistant professor are eligible for this award. Those who would like to be considered for the award should indicate this on the on-line Abstract Submission Form. Award winners will be selected by a committee based on the quality of the abstracts submitted. The best three abstracts will be selected for oral presentations, unless the author requests in a letter that she/he would prefer not to give a podium presentation. Only first authors of the abstracts will be considered for the award.

Registration Hours

Location: Artist Hall Foyer

Thursday, 11/10	12:00 p.m. – 9:00 p.m.
Friday, 11/11	7:00 a.m. – 5:30 p.m.
Saturday, 11/12	7:00 a.m. – 5:30 p.m.
Sunday, 11/13	7:30 a.m. – 11:30 a.m.

Exhibit Hall Hours

Location: Artist Hall 5&6

Thursday, 11/10	5:00 p.m. – 9:00 p.m.
Friday, 11/11	7:00 a.m. – 7:30 p.m.
Saturday, 11/12	7:00 a.m. – 7:00 p.m.

ANNUAL BANQUET

Date: Saturday, November 12, 2011

Time: 7:30 p.m. – 10:30 p.m.

Location: Artist Hall 1&2

Finish off the 2011 SBUR meeting at the Annual Banquet and Awards Presentations. It is sure to be an evening you don't want to miss full of delicious food and excellent company.

Attire: Business Attire

Cost: \$85

HOTEL INFORMATION



Hard Rock Hotel & Casino

4455 Paradise Road
Las Vegas, Nevada 89169
Hotel Phone Number: (800) 693-ROCK

Website: www.hardrockhotel.com

Reservation Line:

(800) 473-7625

Mention "SBUR 2011" to get the group rate

Room Rate: \$139.00/ per night

King or Double/Double Queen (Single/ Double Occupancy)

Hotel Deadline: Friday, October 14, 2011

SBUR encourages you to make your reservation early, as the hotel and discount block may sellout before this date. After this date, reservations will be accepted on a space-available basis and higher rates may apply.

Room Rate: \$139.00/ per night - King or Double/Double Queen (Single/ Double Occupancy)

- Room rate is subject to applicable taxes (currently 12%) and does not include the resort fee.
- An additional Resort Fee of \$15.00/ night plus tax/ per room will be charged.
- The SBUR room rate will be available 3 days prior to the 9th and after the 12th based on room and rate availability.

Resort Fee Includes:

- Internet Service for the duration of the guest stay.
- Fitness Center Access.
- Shuttle Bus service to and from the Fashion Show Mall. (Available daily from 9 a.m. to 6 p.m.; every hour on the hour.)
- USA Today newspaper (Mon – Fri), Las Vegas Review Journal (Sat – Sun). (Provided at Fuel, Front Desk, and Bell Desk locations.)
- Printing of boarding passes available at the Front Desk, Bell Desk and Concierge.
- Limited Copies and faxes available at the Front Desk, Bell Desk and Concierge.
- Unlimited local and long distance phone calls within the U.S.

* The shuttle only drops off by Fashion Show Mall and operates during specific high volume hours

Check-In/ Check-out Time:

Check-in: No earlier than 3:00 PM Monday - Saturday and 5:00 PM Sunday.

Check-out: No later than 11:00 AM. Late Check-outs, anytime between 12:00 PM - 6:00 PM, will incur a \$150.00 late check-out fee. Check-outs after 6:00 PM will be charged a full day's current rack rate.

Hotel Deposit & Cancellation Policy:

Attendees making reservations directly with the hotel are responsible for a \$100.00 per room per night security/ incidental deposit to guarantee accommodations. Individuals must provide their own credit card and photo ID upon check-in to guarantee incidental charges.

Cancellations and early departures will result in an additional charge, which will equal the room and tax rate on the last night of the existing reservation, will be incurred by guests checking out prior to the scheduled check-out date on their reservation; unless hotel is given 72-hours notice.

Additional Room Information:

- Additional Person Charge (Monday - Wednesday): \$50.00 per person per night will be assessed for additional guests exceeding two (2) per room over the age of 12.
- Additional Person Charge (Thursday - Sunday): \$100.00 per person per night will be assessed for additional guests exceeding two (2) per room over the age of 12.
- Children under age twelve are no additional charge when traveling with their parents, using existing bedding.
- Room types are subject to availability. King and Double Queen rooms can be requested, however they cannot be guaranteed.

TRAVEL & TRANSPORTATION

Airport Information

McCarran International airport is approximately 2.3 miles (7 mins) from The Hard Rock Hotel & Casino. For more information on McCarran International airport visit www.mccarran.com.

Ground Transportation

Getting to and from the Hard Rock Hotel & Casino is simple with various shuttles, taxi services and car rental companies.

- For information on ground transportation from McCarran International Airport visit www.mccarran.com and click on the Ground Transportation link.
- For information on transportation offered through the Venetian/ The Palazzo visit www.venetian.com/Las-Vegas-Amenities/Transportation/.

Taxis

Taxicabs are available on the east side of baggage claim, outside door exits 1-4. Airport personnel are available on the taxi curb to assist passengers. Taxicabs are also available at the McCarran Rent-A-Car Center.

IMPORTANT: Some taxis will not accept credit card payments. Customers should notify the attendant if they plan to use a credit card for payment. There is a \$1.80 charge on all fares originating at the airport. The maximum number of passengers allowed in any taxi is five (5), including infants and children.

Checker/Yellow/Star - (702) 873-2000

Lucky Cab Company - (702) 477-7555

Desert Cab Company - (702) 386-9102

Shuttles/ Sedan Service

A variety of shuttle/limousine services are available at McCarran, and

are located on the west side of baggage claim, outside door exits 7-13. Please note that there are both group shuttle and "for-hire" stretch limousine services.

Rental Cars

Avis Rent-A-Car is the official rental car company for the 2011 SBUR Fall Symposium. You are not required to use this company, but we encourage you to take advantage of their special offers. You can call AVIS at (800) 331-1600 to book your reservation or visit www.avis.com. When making your reservations, please mention the code **J901055** in order to receive the discounted rates.

Hotel Parking

The Hard Rock Hotel & Casino offers both complimentary self parking and complimentary valet parking.

REGISTRATION INFORMATION

The Executive Office of the SBUR manages registration for the SBUR 2011 Fall Meeting. Please call the SBUR office at (847) 517-7225 if you have any questions.

Registration Fee Includes:

- One Ticket to the Annual Banquet

Pre-Registration Deadline

October 14, 2011 is the deadline for receipt of the SBUR 2011 Fall Meeting Pre-Registration Form. All registration forms received at the SBUR office after **October 14, 2011** will be considered late and will be charged a \$50.00 late fee. All onsite meeting registrations will also be assessed at the late fee.

Refunds/Cancellations

Requests for registration cancellations/refunds must be submitted in writing to the SBUR Executive Office by **October 14, 2011**. All refund requests will be subject to a \$100.00 processing fee. **NO REFUNDS** will be made after **October 14, 2011**.

Pre-Registrants

SBUR pre-registrants will receive a complete registration packet on site at the registration/information desk. The packet will include badges, social tickets, and general meeting information.

EDUCATIONAL NEEDS & OBJECTIVES

Needs

There is a need to increase collaboration among basic and clinical research investigators who are focused on particular urological disease states so that they consider novel avenues for research in their particular disease area by reviewing advances in other disease areas. There is also a need to increase communication between basic research investigators and clinical research investigators and to highlight significant breakthroughs in the study of individual genitourinary diseases. This may result in cooperative translational science research efforts to improve prevention or treatments of these diseases. These activities will enhance the possibility of diagnostic, preventative or therapeutic breakthroughs that will enhance patient function, survival and quality of life. Finally, there is a need to educate and train less established research professionals who seek to study urological diseases through interaction with senior, more established research scientists and clinician-scientists.

The SBUR 2011 Fall Symposium program will help to promote scientific interactions among researchers and clinicians involved in urologic research. This year's program includes an interactive workshop that will educate attendees on steroid hormone biosynthetic processes in the human body, particularly involving the generation of androgenic steroids with human conditions in which patients are deficient in androgens or require ablative therapies to suppress androgen production or action. The conference will allow cross-talk among basic researchers and physicians to create new collaborative opportunities related to the understanding of abnormal developmental processes associated with human genitourinary tract diseases and potential means to target these processes to prevent or control human disease states.

Additionally, sessions will:

- Review current knowledge of the prominent cell signaling pathways associated with early tissue development and the mechanistic pathways through which developmental cell signaling proceeds in normal or pathological situations.
- Examine the role of abnormal steroid signaling (androgens and estrogens) in common human genitourinary disease states.
- Consider novel therapies for urologic diseases, both benign and malignant, that are based on inhibiting abnormal developmental processes associated with the disease.
- Stimulate junior scientists and trainees in the field of urology with high-quality and high-impact lectures, and to provide the opportunity for trainees to meet and establish collaborations with experts in the fields of developmental signaling and defects in developmental signaling related to urological diseases.
- Train junior investigators/fellows to obtain extramural funding from various institutions, including NIH, VA, DOD and the AUA.
- Assist students, fellows and junior investigators to find appropriate opportunities for translational and basic urology research through a job fair.
- Encourage participation of women and minorities in the affairs of the SBUR.
- Strengthen and build on the ongoing dialogue among scientists for the promotion of urology research with a mission to reduce morbidity and mortality due to benign and malignant urologic diseases.

Objectives

At the completion of the scientific program, the participants will be able to:

- Describe recent advances in characterizing abnormal developmental processes associated with the common benign and malignant human urologic diseases.
- Apply knowledge regarding the effects of improper steroid exposure during early development, effects of aging and abnormal genetic processes that reawaken developmental paradigms in human genitourinary tissues associated with particular disease states.
- Identify molecular and biochemical pathways that enable development of distinct types of urogenital tract tissues from a common embryonic precursor tissue.
- Evaluate targeted therapies based on suppression of abnormal developmental paradigms for local and advanced urologic cancers, and chronic and acute benign urologic diseases.
- Explain the metabolic basis for the generation of androgens and other steroids in the human body and situations in which this metabolism affects steroid levels and promotes disease conditions or pathological states.
- Describe the predominant developmental signaling pathways and developmental morphogens that regulate normal embryonic development of tissues of the human genitourinary tract and describe instances in which these signaling pathways/morphogens participate in pathological processes

- Describe distinct molecular pathways through which the predominant developmental cell signaling pathways operate and identify potential modulators that either block or enhance pathway activities
- Identify novel types of therapeutics that target developmental signaling pathways that might be used to treat benign or malignant urological diseases
- Identify potential effects of estrogen exposure on prostate development and cell-specific targets of estrogen action in the prostate
- Describe an accessory molecular effector of androgen signaling in prostate cells.
- Identify common defects in penile development and gene deficits that accompany the defects.
- Describe changes in the inflammatory microenvironment of the aging prostate gland
- Identify genes involved in bladder and prostate development
- Identify the metabolic steps leading to androgen biosynthesis in testis or adrenals
- Identify steroid metabolic genes associated with prostate cancer
- Discuss genetic defects associated with altered states of sexual development in males
- Describe an epigenetic regulator of spermatogenesis in human testis
- Describe biomarkers of stem cells in normal and malignant prostate tissues

CME Accreditation

Please check the website at: www.sbur.org for accreditation information updates.

General Disclaimer

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Special Assistance

We encourage participation by all individuals. If you have a disability, advance notification of any special needs will help us better serve you. Call (847) 517-7225 if you require special assistance to fully participate in the meeting.



The following events are included in your registration fee. Please indicate which events you plan to attend (pre-registration is required).

- Lunch – Friday, November 11, 2011
- Testosterone Workshop – Saturday, November 12, 2011

Annual Banquet (not included in your registration fee)

November 12, 2011 (7:30 p.m. – 10:30 p.m.)

Please indicate the number of Annual Banquet tickets you'd like to purchase.

Annual Banquet (\$85.00) x _____ = \$ _____
of tickets

Total Annual Banquet Fees = \$ _____

GRAND TOTAL
(SBUR Meeting Registration Fees and Annual Banquet Fees Total): \$ _____

Payment • Full registration payment must accompany this form.

Method of payment: Check* Visa MasterCard

Card Number: _____ Expiration Date: _____ CVV#: _____

Cardholder's Name (please print): _____

Billing Address (if different than registrant's address): _____

Signature: _____

*All fees must be paid in U.S. dollars. Checks must be drawn in U.S. dollars, on a U.S. bank, and made payable to the Society for Basic Urologic Research (SBUR) (Tax ID #36-360-7930). Be sure to print your name on the check.

PHONE REGISTRATIONS ARE NOT ACCEPTED.

Acceptable registration methods are:

- By Fax:**
Visa/MasterCard
- By Mail:**
Check, Visa/MasterCard
- Online:**
Visa/MasterCard
- On Site:**
Check, Visa/MasterCard

Please forward payment to:
Society for Basic Urologic Research
Attn: Registration
Two Woodfield Lake
1100 East Woodfield Road, Suite 520
Schaumburg, IL 60173-5116
Phone: (847) 517-7225
Fax: (847) 517-7229
Email: info@sbur.org
Website: www.sbur.org



Accommodations will be made on the basis of disability.

Please contact the SBUR office at (847) 517-7225 or indicate any special needs: _____