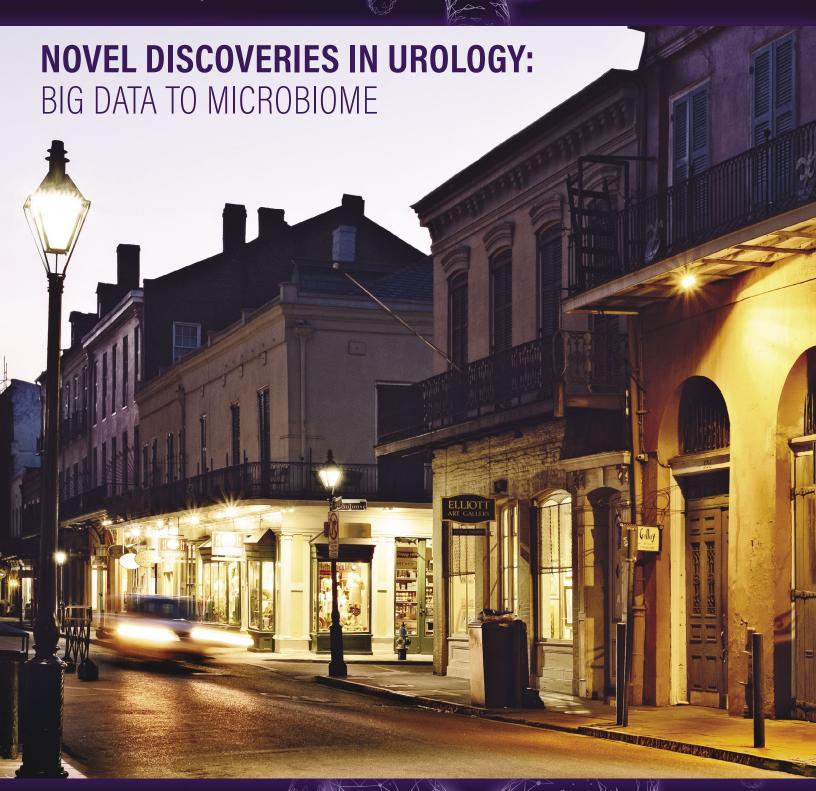
2019 SBUR ANNUAL MEETING

November 7-10, 2019



New Orleans Downtown Marriott at the Convention Center New Orleans, LA



The Society for Basic Urologic Research (SBUR) was formed in 1986 and is the pre-eminent US-based urologic research society. Our members include molecular and developmental biologists, oncologists, immunologists, epidemiologists, andrologists, biochemists, bioinformaticians, and clinical urologic surgeonscientists from academia, industry and government. SBUR scientists' expertise includes the study of urologic cancers (prostate, bladder, kidney, testis, penis), the biology of benign diseases of the prostate, bladder and kidney, developmental biology, kidney and bladder function, autoimmune urologic diseases, infectious diseases, neurourologic diseases, male reproductive biology, infertility and erectile dysfunction.

Our members are based around the globe, including in the United States, Europe and Asia. The active membership of SBUR includes 234 PhDs, 145 MDs, 39 MD/PhDs and 52 other Researchers.

The SBUR 2019 Annual Meeting entitled, "Novel Discoveries in Urology: Big Data to Microbiome" provides a unique environment to learn about the most recent advances in basic, translational and preclinical urologic research, in addition to providing a dynamic forum for discussing how these advances could be implemented for the prevention and treatment of urological diseases.

Much has been learned over the last decade regarding the molecular determinants and key pathways that regulate normal and disease processes, and a wide variety of novel therapeutic and diagnostic strategies have emerged as a result. Thus, this year's meeting will focus on a few areas that are emerging as the cutting-edge advances in urology, including:

- 1) Big data (genome, transcriptome, proteome, and metabolome) analysis that is driving the personalized and precision medicine initiative;
- 2) Endocrine and metabolic dysfunctions that have not been well studied in urologic diseases;
- Immunology and immunotherapy that urology is lagging behind other fields;
- 4) Benign urologic disease that is the focus of several NIDDK-funded O'Brien centers and P20 programs;
- 5) Innovative technologies that have emerged in urologic research; and,
- 6) Microbiome and inflammation that are pushing forward our knowledge to a new level.

Following completion of these educational programs, participants will know and be able to:

- Highlight recent findings in studying the basic mechanisms of urologic diseases in the areas of transcriptome, genome and epigenome, metabolism, immunology, microbiome, therapeutics, and diagnostic/prognostic markers.
- Identify critical knowledge gaps and stimulate approaches to address them.
- Disseminate and facilitate novel discoveries in urologic diseases.
- Highlight the cutting-edge advances in urological cancer therapeutics including mechanisms of resistance and novel approaches in overcoming resistance.
- Update the outcomes of recent clinical trials on potential new drugs.
- Compare and discuss emerging clinical biomarkers for prostate cancer detection.
- Showcase the new tools in analysis of big data generated from omics studies.
- Demonstrate the potential new targets in urological cancers.
- Learn the novel technologies in urologic research.
- Update cancer immunology and immunotherapy in urological cancer field.
- Understand the role of microbiome and inflammatory microenvironment in malignant urologic diseases.
- Describe leukocytic phenotypes in BPH and how they contribute to disease progression.
- Understand the importance of basic research in benign urologic disease.
- Understand how therapeutic intervention targeted to the epigentics might be useful for the treatment of urological cancer.
- Learn tools essential for the successful training of young investigators for careers in urologic diseases and cancer.



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SCIENTIFIC PROGRAM | NOVEL DISCOVERIES IN UROLOGY: BIG DATA TO MICROBIOME

November 7-10, 2019 | New Orleans Downtown Marriott at the Convention Center

THURSDAY, NOVEMBER 7, 2019

2:00 - 8:30 p.m. Registration

3:00 - 5:00 p.m. Trainee Affairs Career Symposium

Larisa Nonn, PhD

Trainee Affairs Committee Chair University of Illinois at Chicago Chicago, IL

Arun Sreekumar, PhD

Trainee Affairs Committee Co-Chair Baylor College of Medicine Houston, TX

6:00 - 6:10 p.m.

Welcome & Introductory Remarks

Allen Gao, MD, PhD SBUR President University of California at Davis Davis, CA



Keynote Session

Discussion Leaders

Zongbing You, MD, PhD *Tulane University*

Tulane University New Orleans, LA

6:10 - 7:10 p.m. Leland W.K. Chung Lecture

Functional Genomic, Proteomic and Bioinformatics Approaches to Understand Cancer Biology and Discover Clinical Biomarkers (temporary title)

Travis J. Jerde, PhD

Indiana University

Indianapolis, IN

6:10 - 8:00 p.m.

Arul M. Chinnaiyan, M.D., Ph.D. *Director, Michigan Center for Translational Pathology*

S.P. Hicks Endowed Professor of

Pathology and Urology

American Cancer Society Research Professor Investigator, Howard Hughes Medical Institute Comprehensive Cancer Center

University of Michigan

Ann Arbor, MI

7:10 - 7:25 p.m. Discussion

7:25 - 7:50 p.m. Prostate Cancer Update 2019: from Genetics to Clinical Trials

Oliver Sartor, MD

Tulane University New Orleans, LA

7:50 - 8:00 p.m. Discussion

8:00 - 10:00 p.m. Welcome Reception and Networking

FRIDAY, NOVEMBER 8, 2019

Plenary Session I: Big Data as Engines for Discovery

8:00 - 12:00 p.m.

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Natasha Kyprianou, PhD University of Kentucky Lexington, KY

Jindan Yu, PhD Northwestern University Chicago, IL

8:00 - 8:20 a.m.

UALCAN: an Integrated Data Mining Platform for Comprehensive Analysis of Cancer Transcriptome and Novel **Target Discovery**

Sooryanarayana Varambally, PhD University of Alabama-Birmingham Birmingham, AL

8:20 - 8:30 a.m.

Discussion

8:30 - 8:50 a.m.

Does Tumor Heterogeneity in Molecular Subtypes of Bladder Cancer Affect Clinical Outcome?

Vinata B. Lokeshwar, PhD

Augusta University Augusta, GA

8:50 - 9:00 a.m.

Discussion

9:00 - 9:20 a.m.

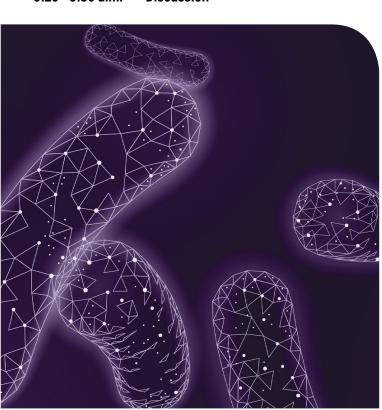
The Role of miR-21 in Prostate Cancer **Development and Progression**

Shawn E. Lupold, PhD Johns Hopkins Hospital

Baltimore, MD

9:20 - 9:30 a.m.

Discussion



9:30 - 9:40 a.m. Travel Award Presentation #1:

TBD

Discussion 9:40 - 9:45 a.m.

9:45 - 10:00 a.m.

Break

10:00 - 10:20 a.m.

Epigenetic Landscape Reveals Druggable Driver Genes for Tumorigenesis

Kaifu Chen, PhD Houston Methodist Houston, TX

10:20 - 10:30 a.m. Discussion

10:30 - 10:40 a.m. Travel Award Presentation #2:

TBD

10:40 - 10:45 a.m. Discussion

10:45 - 11:05 a.m.

Probing the Transcriptional Landscape of the Bladder Following Spinal Cord Injury

Rosalyn Adam, PhD SBUR Vice President Boston Children's Hospital and Harvard Medical School

Boston, MA

11:05 - 11:15 a.m.

Discussion

11:15 - 11:35 a.m.

Epigenomic Approaches to Discover Transcriptional Vulnerabilities of Prostate Cancer

Qianben Wang, PhD Duke University Durham, NC

11:35 - 11:45 a.m.

Discussion

11:45 - 11:55 a.m.

Travel Award Presentation #3:

TBD

11:55 - 12:00 p.m.

Discussion

12:00 - 1:30 p.m.

Lunch

3:50 - 4:00 p.m.	E2F in Prostate Cancer Therapeutic Resistance Yun Qiu, PhD University of Maryland Baltimore, MD Discussion	
3:30 - 3:50 p.m.	The Role of Crosstalk between AR and	
3:15 - 3:30 p.m.	Break	
3:10 - 3:15 p.m.	Discussion	
3:00 - 3:10 p.m.	Travel Award Presentation #4: TBD	
2:50 - 3:00 p.m.	Discussion	
2:30 - 2:50 p.m.	PDEF Alters the Enhancer Landscape to Promote Prostate Luminal Differentiation Hari K. Koul, MSC, PhD, FASN Louisiana State University Health Science Center-Shreveport Shreveport, LA	
2:20 - 2:30 p.m.	Discussion	
2:00 - 2:20 p.m.	Hormonal Therapy for Prostate Cancer: Metabolic Changes as the Molecular Basis of Treatment Response and Failure Jiaoti Huang, MD, PhD Duke University Durham, NC	
1:30 - 1:50 p.m. 1:50 - 2:00 p.m.	Targeting Metabolic Addiction of Prostate Cancer Hsing-Jien Kung, PhD Taipei Medical University Taiwan, ROC Discussion	
3 /	,	
Gail S. Prins, PhD University of Illinois at Chicago, IL	Chicago Benyi Li, MD, PhD University of Kansas Medical Center Kansas, KS	

Discussion Leaders

4:00 - 4:20 p.m.	The Role of Emerging Pathogens in Male Urethritis David E. Nelson, PhD Indiana University Indianapolis, IN
4:20 - 4:30 p.m.	Discussion
4:30- 4:40 p.m.	Travel Award Presentation #5:
	TBD
4:40 - 4:45 p.m.	Discussion
4:45- 4:55 p.m.	Travel Award Presentation #6:
	TBD
4:55 - 5:00 p.m.	Discussion
5:00 - 5:15 p.m.	AUA Office of Research: Update on Urologic Research Support Opportunities Carolyn Best, PhD American Urological Association Linthicum, MD



5:15 - 7:15 p.m. Poster Session #1: # P_ - P_

7:15 p.m. Evening on Own

7:15 p.m. Trainee Affairs Group Dinner

SATURDAY, NOVEMBER 9, 2019

Plenary Session III: Immunology and Immunotherapy

8:00 - 10:00 a.m.

Discussion Leaders

Ganesh V. Raj, MD, PhD Immediate Past SBUR President UT Southwestern Medical Center Dallas, TX Amina Zoubeidi, PhD University of Vancouver Vancouver, British Columbia, Canada

8:00 - 8:50 a.m. AUA Lecture

Prostate Cancer Revisited

Joel B. Nelson, MD University of Pittsburgh Pittsburgh, PA

8:50 - 9:00 a.m. Discussion

9:00 - 9:20 a.m. Defining Inflammation in BPH

Timothy L. Ratliff, PhD

Purdue University Center for Cancer Research

West Lafayette, IN

9:20 - 9:30 a.m. Discussion

9:30 - 9:50 a.m. Bladder Cancer, Inflammation and

PD-L1: Where Are We Now?

Michelle Downes MB BCh BAO,

MRCSI, MD, FRCPC

Sunnybrook Health Sciences Centre

Toronto, ON, Canada

9:50 - 10:00 a.m. Discussion

10:00 - 10:15 a.m. Break

Plenary Session IV: Targeting Benign Urologic Disease

10:15 - 12:30 p.m.

Discussion Leaders

Rosalyn Adam, PhD SBUR Vice President Boston Children's Hospital and Harvard Medical School Boston, MA **Yan Dong, PhD** *Tulane University New Orleans, LA*

Panelists

10:15 - 10:30 a.m. NIDDK Support of Basic Research for

Benign Urologic Conditions.

Tamara Bavendam, MD

NIDDK/NIH Bethesda, MD

10:30 - 10:45 a.m. William Ricke, PhD

Director, O'Brien Center for Benign Urologic Research University of Wisconsin School of Medicine and Public Health

Madison, WI

10:45 - 11:00 a.m. Cathy Mendelsohn, PhD

Director, Columbia University O'Brien Center

New York, NY

11:00 - 11:15 a.m. Zhou Wang, PhD

Director, O'Brien Urology Research Center

University of Pittsburgh Pittsburgh, PA

11:15 - 11:30 a.m. Discussion

11:30 -11:45 a.m. Mechanisms of Age-associated

Immune Dysfunction in the Post-menopausal Bladder

Indira U. Mysorekar, PhD Washington University St. Louis, MO

11:45 - 12:00 p.m. ReSKU: an Automated

Nephrolithiasis Registry as a Community Research Tool

Thomas Chi, MD

University of California at San Francisco

San Francisco, CA

12:00 - 12:15 p.m. Leukocytic Phenotypes Associated

with BPH Progression

Simon W. Hayward, PhD NorthShore University HealthSystem

Evanston, IL

12:15 - 12:30 p.m. Discussion

12:30 - 2:00 p.m. Lunch

Plenary Session V: Innovative Technologies in Urology

2:00 - 3:45 p.m.

Discussion Leaders

Marc B. Cox, MSPH, PhD University of Texas at El Paso El, Paso, TX **Paramita Mitra Ghosh, PhD** *University of California at Davis Davis, CA*

2:00 - 2:20 p.m. Combining Tissue Histomorphometry

and Biomarkers for Precise Prediction of Prostate Cancer Recurrence

necurrence

Sanjay Gupta, Ph.D.

Case Western Reserve University

Cleveland, OH

2:20 - 2:30 p.m. Discussion

2:30 - 3:50 p.m. Novel Models for Targeting Advanced

Prostate Cancer

Yuzhuo Wang, Ph.D, FCAHS University of British Columbia Vancouver, BC, Canada

2:50 - 3:00 p.m. Discussion

3:00 - 3:20 p.m. Repurposed Drugs Targeting

Exosomes as Adjuvant Therapies for

Prostate Cancer

Asim B. Abdel-Mageed, DVM, PhD

Tulane University New Orleans, LA

3:20 - 3:30 p.m. Discussion

3:30 - 3:40 p.m. Travel Award Presentation #7:

TBD

3:40 - 3:45 p.m. Discussion

3:45 - 4:00 p.m. Break



4:00 - 4:30 p.m. Awards Presentations

Distinguished Service Award
Meritorious Achievement Award
Young Investigator Awards
Coffey Research Award

Travel Awards

4:30 - 5:00 p.m. SBUR Annual Business Meeting -

MEMBERS ONLY

5:00 - 7:00 p.m. Poster Session #2: # P - P

7:00 p.m. Evening on Own

SUNDAY, NOVEMBER 10, 2019

Plenary Session VI: Microbiome and Inflammation

8:00 - 12:00 p.m.

Discussion Leaders

Karen S. Sfanos, Ph.D. Johns Hopkins Hospital Baltimore, MD **Praveen Thumbikat, PhD** *Northwestern University Chicago, IL*

8:00 - 8:20 a.m. International Speaker

The New Role of PrLZ in Prostate Cancer by Regulating Autophagy

Jin Zeng, MD, PhD
Department of Urology
The First Affiliated Hospital
Xi'an Jiaotong University, Xi'an, China

8:20 - 8:30 a.m. Discussion

8:30 - 8:50 a.m. The Inflammatory Microenvironment and Microbiome in Prostate Cancer

Angele M. De Merze, MD. DbD.

Angelo M. De Marzo, MD, PhD Johns Hopkins Hospital

Baltimore, MD

8:50 - 9:00 a.m. Discussion

9:00 - 9:20 a.m. Microbiome Interactions with

Localized Prostate Cancer

Michael A. Liss, MD

University of Texas Health Science Center

San Antonio, TX

9:20 - 9:30 a.m. Discussion

9:30 - 9:50 a.m. Prostate inflammation, Microbiome

and Koch's Postulates

Wade Bushman, M.D., Ph.D.

University of Wisconsin Medical School

Madison, WI

9:50 - 10:00 a.m. Discussion

10:00 - 10:10 a.m. Break

10:10 - 10:30 a.m. Inflammation and Lower Urinary Tract

Function: a Volatile Relationship

Jill A. Macoska, PhD

The University of Massachusetts Boston

Boston, MA

10:30 - 10:40 a.m. Discussion

10:40 - 11:00 a.m. Strategies to Inhibit Androgen

Receptor and STAT3 Signaling in

Prostate Cancer

Zoran Culig, MD

Innsbruck Medical University

Innsbruck, Austria

11:00 - 11:10 a.m. Discusssion

11:10 - 11:30 a.m. Navigating Immunotherapy Responses

in Bladder Cancer: From Mice to Men

Joshua J. Meeks, MD, PhD Northwestern University

Chicago, IL

11:30 - 11:40 a.m. Discussion

TBD

11:50 - 11:55 a.m. Discussion

11:55 - 12:00 p.m. Farewell



Society for Basic Urologic Research (SBUR)

2019 ACCREDITATION INFORMATION



Accreditation Statement: CME Credit Provided by AKH Inc., Advancing Knowledge

in Healthcare. This activity is jointly provided by AKH Inc., Advancing Knowledge in Healthcare and Society for Basic

Urologic Research, Inc.



Physicians: This activity has been planned and implemented in accordance

with the Essential Areas and policies of the Accreditation Council

for Continuing Medical Education (ACCME) through the joint providership of AKH Inc., Advancing Knowledge in Healthcare and Society for Basic Urologic Research, Inc. AKH Inc., Advancing Knowledge in Healthcare is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for Physicians.

AKH Inc., Advancing Knowledge in Healthcare designates this live activity for a

maximum of 17.75 AMA PRA Category 1 Credit(s)™. Physicians should claim only the credit

commensurate with the extent of their participation in the activity.

Physician Assistants: NCCPA accepts AMA PRA Category 1 Credit™ from organizations accredited by ACCME.

Credit Designation Statement: This activity is approved for 17.75 AMA PRA Category 1 Credit(s)™. See final CME

announcement for specific details.

Americans with Disabilities Act: Event Staff will be glad to assist you with any special needs (i.e. physical, dietary, etc.)

Please contact the SBUR prior to the live event.

Contact SBUR for privacy and confidentiality policy statement information at

sbur@affinity-strategies.com

Acknowledgment: This activity is supported by an educational grants from Astellas, AstraZeneca, Pfizer,

Bristol-Myers Squibb, and Merck & Co., Inc.

SBUR 2019 ANNUAL MEETING

November 7-10, 2019 | New Orleans, LA

FIRST

Meeting Registration

☐ Will attend ☐ Will not attend

*Cost of dinner will be at your own expense

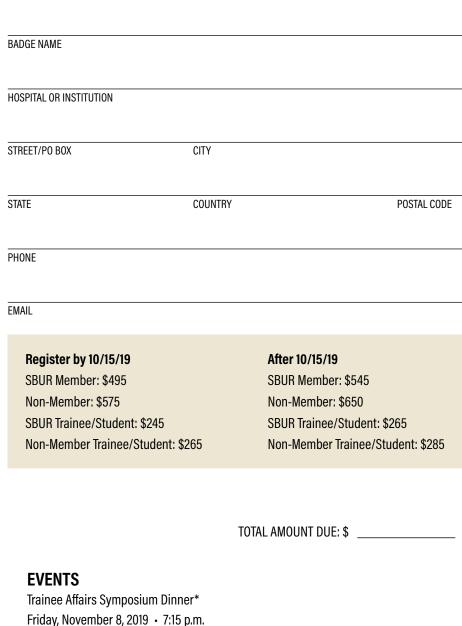
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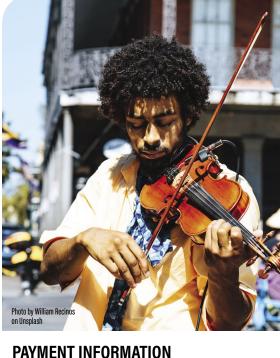


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Full payment must accompany registration form.

Registration forms received without full payment will be returned for completion.

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121 West State Street Geneva, Illinois 60134

For credit card payments visit www.sbur.org or call 630.463.9015 to register over the phone.

Cancellation Policy: All requests for cancellations must be received in writing (sbur@affinity-strategies.com). If a written cancellation is received at the SBUR office prior to November 2, 2019, the registration fee, less a \$100 administrative fee, will be refunded after the meeting. Refund requests after November 2, 2019 will not be honored.

HOTEL INFORMATION

859 Convention Center Boulevard New Orleans, LA, 70130-1754

Phone: 504-613-2888 Fax: 504-613-2890 Toll-free: +1 800-305-6342

www.marriott.com/hotels/travel/msymc-neworleans-downtown-marriott-at-the-conventioncenter/

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Check In: 4:00 PM Check Out: 11:00 AM

A discounted rate for the Society for Basic Urologic Research Annual Meeting has been secured for your convenience at the New Orleans Downtown Marriott at the Convention Center, New Orleans, Louisiana.

Please use the following hotel booking link to gain access to the negotiated SBUR rate of \$160.00 per night for the meeting: https://book.passkey.com/go/2019FallSBURAnnualMeeting

Important Note: Rooms are available on a first-come first-served basis. It is advised that you book reservations at your earliest convenience. The room block may sell out prior to the cut-off date for reservations. Should this occur, SBUR is unable to quarantee additional reservations at this rate or hotel.

Airport:

Louis Armstrong New Orleans International Airport (MSY)

Airport Phone: +1 504-303-7500

This hotel does not provide shuttle service.

Transportation Services:

- Alternate transportation: Airport Shuttle (504) 522-3500; fee: 24 USD (one way); reservation required
- Estimated taxi fare: 33 USD (one way)
- Bus service, fee: 2.5 USD (one way)

Driving directions:

Turn left onto US-61 S/Airline Dr. Take the I-10 E ramp to US-90 BUS/Westbank. Keep left at the fork and merge onto I-10 E. Continue onto US-90 BUS W. Take exit 11C toward Tchoupitoulas St/S Peters St. Merge onto Calliope St. Turn left onto Convention Center Blvd. Destination will be on the left.

New Orleans Downtown Marriott at the Convention Center, New Orleans, Louisiana

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TVs and views of the river or city. Featured amenities include a gym, an outdoor pool, 24-hour room service and Wolfe's, our popular restaurant featuring Creole and French favorites. Our hotel is a prime destination for business travelers, thanks to our flexible event venues and our proximity to the New Orleans Ernest Morial Convention Center, across the street. With so many New Orleans attractions and the Arts/ Warehouse District at your fingertips, you'll never be short of things to do while you're here. Make plans for a remarkable stay at New Orleans Downtown Marriott at the Convention Center.

Parking:

- · Off-site parking, fee: 10 USD hourly, 30 USD daily
- · Valet parking, fee: 39 USD daily
- Valet parking unavailable for oversized vehicles.
 Contact hotel valet for questions on alternate self parking options.

Internet:

- · Guest rooms: Wireless, Wired
- High Speed: Check email + browse the Web for 10.95 USD/day
- Enhanced High Speed: Video chat, download large files + stream video for 14.95 USD/day
- Lobby and public areas: Complimentary Wireless
- · Meeting rooms: Wireless, Wired

Restaurants:

- Local restaurant dinner delivery
- Room service, 24-hour Sundry/Convenience store
- · Breakfast Buffet, fee from 19.00 USD
- Continental breakfast, fee from 12.00 USD
- Full American breakfast, fee from 16.00 USD

Wolfe's (Creole) Get ready for a busy day in New Orleans with an energizing breakfast at our Warehouse District restaurant. Sample our contemporary Creole and French fare for lunch or dinner or enjoy evening cocktails at our elegant wine bar. Open for breakfast, lunch and dinner Dress code: Casual Phone: +1 504-613-2888

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Starbucks° Stop by for your favorite coffee drink and treats as you head out for sightseeing or to events at the convention center near our downtown hotel. Grab a pick-me-up in the afternoon to recharge for an evening of fun in New Orleans. Open for breakfast and lunch. Phone: +1 504-613-2888

Additional dining options available at www.marriott.com/hotels/hotel-information/restaurant/msymc-new-orleans-downtown-marriott-at-the-convention-center/

Fitness & Recreation

ACTIVITIES

Biking trail (1 mile)
Boating (8 miles)
Bowling (4.2 miles)
Fly-fishing (1 mile)
Horseback riding (7.6 miles)
Jet-skiing (8 miles)
Jogging/fitness trail (1 mile)

Miniature golf (12.5 miles)
Sailing (8 miles)
Squash (1.4 miles)

Outdoor Courts (3.2 miles) Volleyball (8 miles)

Water-skiing (8 miles)

GOLF

Bayou Oaks at City Park (8.4 miles) South Course North Course Audubon Park Golf Course (6 miles) Stonebridge Golf Club (8.5 miles)

Oak Harbor Country Club (30 miles) Chateau Golf & Country Club (14.8 miles) TPC of Louisiana (14.8 miles) English Turn Golf & Country Club (10.3 miles)

FITNESS

Fitness Center Swimming Outdoor Pool (3rd Floor)



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