Network: **Convention Wireless** Password: **RCHXL**

SBUR 2025

November 13 - 16, 2025

Rosen Centre Hotel, Orlando Florida

SBUR
SOCIETY FOR BASIC UROLOGIC RESEARCH, INC.

sbur.org UrologySBUR **#SBUR2025**

Welcome

SBUR
SOCIETY FOR BASIC UROLOGIC RESEARCH, INC.

Welcome everyone to the 2025 Society for Basic Urologic Research (SBUR) Annual Symposium in magical Orlando, Florida!

We are excited to present this year's 2025 program, which is centered around Frontiers in Urological Research: Innovation, Regulation, and Therapeutic Advances. The Plenary Sessions are a showcase of speakers presenting their innovative ideas and research advances covering a wide breadth of crucial topics in basic urologic research in six plenary sessions from Thursday to Sunday, Nov 13th to 16th, 2025. We are thrilled to have you here for what will be a wonderful four days to learn new science, meet new colleagues, catch up with old friends, and strengthen bonds in our unique SBUR community. After the Trainee Symposium on Thursday Nov 13th at 3:00pm, the 2025 SBUR Annual Meeting officially starts at 6:00pm followed by a Welcome reception at 7:30pm.

Special Highlights of the program are:

1. Trainee Affairs Symposium. ALL are welcome to attend the Trainee Affairs Symposium led this year by Ayesha Shafi and Simpa Salami on Thurs Nov 13th , 3:00pm. This will be a great "pre-game" event with a focus this year on the power of team science. We are looking forward to talks by Gail Prins and Simpa Salami, and a career panel discussion on navigating the challenges of team science today and in the future. We will also have Trainee Networking Tables at lunch for fruitful discussions with experts in different career paths.

2. Special Lectures. This year, the SBUR is honored to have the following luminaries presenting their work:
   - The American Urologic Association (AUA) Lectureship: Dr. Jiaoti Huang, Thursday Nov 13th at 6:10pm
   - The Leland KW Chung Lecture: Dr. Myles Brown, Sat Nov 15th, 9:00 am
   - The Dr. Leland W.K. Chung Mentorship Award: Dr. John T. Issacs, Sun Nov 16th , 9:00 am.

3. Trainee awards. To give special recognition and support to our next generation scientists we present special trainee awards.
   - Eula and Donald S. Coffey Innovation Award: short talks will be given by the presenting authors of the three top ranked abstracts on Thurs Nov 13th 7:10 pm and the winner will be presented with the award during the awards ceremony on Sat Nov 15th , 3:35pm.
   - Travel Award Oral Presentations: Six Travel Award winners with top-ranked abstracts were selected to give talks across the six plenary sessions.

4. AUA Updates and Special Lecture Dr. Stephen Kaplan will discuss the AUA Innovation Nexus, a new mechanism to help scientists take their ideas from the bench to the boardroom. The AUA Office of Research Update will present their new funding opportunities and new programs to promote research at the AUA annual conference.

5. Poster Sessions. The Poster sessions are the heart and soul of the SBUR Annual Meeting! They are held immediately following the last Plenary Sessions on Friday and Saturday. Poster Session I is on Friday Nov 14th, 4:50pm and Poster Session II is on Sat. Nov. 15th , 4:35pm following the SBUR All Members Business Meeting.

6. Awards Ceremony: On Saturday afternoon , 3:35pm, we will have the Awards ceremony to present our SBUR awards to honor and support the accomplishments and contributions of our members to science and to the SBUR community. This year's awards are being presented to:
   - Meritorious Research Award – Dr. Qianben Wang
   - Distinguished Service Award – Dr. Hari K. Koul
   - Young Investigator Awards
   - Coffey Innovation Award Winner
   - Travel Award recipients

7. SBUR Business Meeting is for ALL SBUR MEMBERS! Following the Awards you are all invited to the SBUR Business meeting at 4:05pm during which you will hear about the events, progress and future planning for the SBUR from your 2025 SBUR President, Christina Jamieson, Vice President, Travis Jerde, Secretary, Petra Popovics and Treasurer, Zongbing You. They will summarize the work that the SBUR committees have been carrying out to support basic urologic research. This is your chance to find out what is going on in your SBUR community. Find out how things work and what your SBUR is doing for you!

Every year, the SBUR Annual Meeting is the result of the hard work and financial support of many people. We sincerely thank all the members of the 2025 Program Committee, and our Co-Chair, Dr. Jonathan Zhao, for their time in coordinating the meeting topics and speakers. We are grateful to Drs. Ayesha Shafi and Simpa Salami for their planning of the energizing and inspiring Trainee Affairs Symposium. We thank the Abstract Review Committee chaired by Dr. Dan Frigo who all thoroughly reviewed the abstracts and thoughtfully selected the travel award winners.

The SBUR community is deeply and infinitely grateful to Dr. Leland Chung's family, trainees and friends for their generosity and enduring support of the Leland W.K. Chung Endowed Lecture given this year by Dr. Myles Brown and the Leland W.K. Chung Mentorship Award given to Dr. John T. Isaacs to honor Leland's memory and his foundational and profound commitment and contributions to the basic urologic research endeavor.

We are very grateful to the AUA for their funding support for both our SBUR conferences each year: first, for the SBUR spring symposia at the AUA annual conference in spring, and second, the SBUR Annual Meeting in the fall. We are extremely grateful to our Industry Sponsor, IDSE for this year's SBUR annual meeting.

Finally, we would especially like to thank Marty Roth of the Veritas Association Management for his outstanding work and creative, tireless efforts to support the SBUR throughout the year as well as Sue O'Sullivan, President and CEO, and the rest of the Veritas team for helping to make this meeting a reality.

Thank you again for joining us in Orlando, Florida, where we hope you will enjoy the many magical and out-of-this-world places. We hope that the presentations and discussions of our scientific program will give you and your science the blast off and escape velocity needed to reach new heights of success and inspiration!

Christina Jamieson, PhD
SBUR 2025 President

Qianben Wang, PhD
2025 Program Chair

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MD Anderson Cancer Center

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Cindy Miranti, PhD
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Advocacy Committee
Mission Uroscience Committee
Diversity Committee
Endowment Fund Committee
Past Presidents Committee

2025 Award Winners

LELAND W.K. CHUNG MENTORSHIP AWARD

John Isaacs, PhD

John Hopkins University

DISTINGUISHED SERVICE AWARD

Hari K. Koul, MSC, PhD

Louisiana State University

MERITORIOUS ACHIEVEMENT AWARD

Qianben Wang, PhD

Duke University School of Medicine

Young Investigator Awards

Meng Zhang, PhD
Yang Yi, PhD
Ka-wing (Will) Fong, PhD
Alex Papachirstodoulou, PhD

TRAVEL AWARDS

Livia Bogdan
Varshiny Gopinath
Justine Jacobi
Lucy Kisova
Xingbo Long
Umar Mehraj
Md Niaz Morshed
Jagpreet Nanda
John Phoenix
Huan Qu
Jaceline Sanches
Hongshun Shi
Nikhila T. Suresh
Jordan Vellky
Ru Wen
Yaru Xu
Chuan Yu

Congratulations!

Photography and video recordings may be taken during the meeting for SBUR archival and promotional purposes.
Attendance constitutes consent to being photographed.
If you prefer not to be photographed, please contact the registration desk.

SBUR 2025 Agenda

2025 Program Committee

Program Committee Chair: ***Qianben Wang, PhD***
Scientific Program Co-Chair: ***Jonathan Zhao, MD, MA***
Head of Abstract Committee: ***Dan Frigo, PhD (2027 Chair)***
Fundraising Subcommittee: ***Douglas Strand, PhD (2026 Chair)***
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Member: ***Ping Mu, PhD***
Member: ***Rosalyn Adam, PhD***
Member: ***Ashley Jackson, PhD***
Member: ***Moray Campbell, PhD, MS***
Member: ***Cynthia Miranti, PhD***

Lecture Highlights

Leland W.K. Chung Lecturer
Myles Brown, MD
Dana-Farber Cancer Institute

AUA Lecturer
Jiaoti Huang, MD, PhD
Duke University

Dr. Leland W.K. Chung Mentorship Award Lecture
John T. Issacs, PhD
John Hopkins University

Thursday, November 13, 2025

3:00 pm - 5:30 pm	Trainee Affairs Symposium–The Power of Team Science: Leading and Thriving in Collaborative Research *Co-Chairs: Ayesha Shafi, PhD (Center for Prostate Disease Research) Simpa Salami (University of Michigan)*
3:00 pm - 3:30 pm	Team Building - A Basic Science Perspective: Managing Techs, Postdocs, and Students *Gail Prins, PhD*
3:30 pm - 3:45 pm	Q&A *Moderator: Ayesha Shafi, PhD*
3:45 pm - 4:15 pm	Team Building – A Translational/Clinical Perspective: Partnering with Scientists and Balancing Clinical Duties *Simpa Salami, PhD*
4:15 pm - 4:30 pm	Q&A *Moderator: Simpa Salami, MD*
4:30 pm - 5:30 pm	Career Panel Discussion – Challenges and Strategies for Team Development *Panelists: Leah Cook, MD (NIH – government faculty perspective), Aria Olumi, MD (clinician scientist perspective), Steven Kregel, MD (assistant faculty perspective), TBD (trainee panelist), and TBD (industry panelist)* *Moderators: Ayesha Shafi, PhD and Simpa Salami, MD*
6:00 pm - 6:10 pm	Welcome and Introductory Remarks *Christina Jamieson, PhD(UCSD), SBUR President*
6:10 pm - 7:10 pm	AUA Lectureship: Castration Resistance of Prostate Cancer: Cellular Mechanisms and Novel Therapy Strategies *Jiaoti Huang, MD, PhD, Duke University*
7:10 pm - 7:30 pm 7:10 pm - 7:15 pm 7:15 pm - 7:20 pm 7:20 pm - 7:30 pm	Eula and Donald S. Coffey Innovative Research Award Short Talks *Hongshun Shi* *Nikhila T. Suresh* *Chuan Yu*
7:30 pm - 8:30 pm	**Networking and Welcome Reception**

SBUR 2025 Agenda

Friday, November 14, 2025

9:00 am - 11:20 am	**PLENARY SESSION I: Innovative Models and Technologies in Urological Research** *Discussion Leaders: Romulo Hurtado, PhD (Weill Cornell Medical College), Everardo Marcias, PhD (Duke University)*
9:00 am - 9:25 am	Get Up and Stretch: Compliance, Remodeling and the Sensation of Bladder Fullness *Nathan R. Tykocki, PhD (Michigan State University)*
9:25 am - 9:50 am	Human Urogenital Organ Chips: Innovative In Vitro Models for Urological Research *Zohreh Izadifar, PhD (Boston Children's Hospital)*
9:50 am - 10:15 am	Spatial Mapping of Accessible Chromatin Landscapes in Prostate Cancer *Leigh Ellis, PhD (Uniformed Service University)*
10:15 am - 10:30 am	**TRAVEL AWARD PRESENTATION #1** *Jordan Vellky*
10:30 am - 10:55 am	Cross Species Functionalization of the Cancer Genome *Giannicola Genovese, MD, PhD (MD Anderson)*
10:55 am - 11:05 am	**COFFEE BREAK**
11:05 am - 11:50 am	**AUA - Advancing Urology Through Research and Innovation** *Stephen A. Kaplan MD, FACS* *(Innovation Nexus Physician Director | Professor of Urology, Icahn School of Medicine at Mount Sinai | Director, The Men's Health Program, Mount Sinai Health System)*
11:05 am - 11:50 am	**AUA Office of Research Update**
11:50 am - 12:50 pm	**LUNCH**
12:50 pm - 2:45 pm	**PLENARY SESSION II: Transcriptional, Post-Transcriptional, and Epigenetic Regulation in Urological Diseases** *Discussion Leaders: Anna Woloszynska, PhD (Roswell Park) and Meng Zhang, PhD (UCSF)*
12:50 pm - 1:15 pm	Epigenetic Regulation of Immune Evasion in Advanced Prostate Cancer *Ling Cai, PhD (Duke University)*
1:15 pm - 1:40 pm	MYC-driven Vulnerabilities in Prostate Cancer *David P. Labbé, PhD (McGill University)*
1:40 pm - 1:55 pm	**TRAVEL AWARD PRESENTATION #2** *Justine Jacobi*
1:55 pm - 2:20 pm	Genome-Wide Association Study Across Biobanks Identifies New Susceptibility Loci for Urinary Tract Infections *Katherine Xu, PhD (Columbia University)*
2:20 pm - 2:45 pm	MAPK4, an Emerging Oncogenic Driver to Promote Prostate Cancer *Feng Yang, PhD (Baylor College of Medicine)*
2:45 pm - 2:55 pm	**COFFEE BREAK**
2:55 pm - 4:45 pm	**PLENARY SESSION III: Microbiome, Immunity, and Immune Therapeutics in Urological Diseases** *Discussion Leaders: Michael Liss, MD, PhD (UCSD), Jennifer Walker, PhD (UT Health Houston)*
2:55 pm - 3:20 pm	Decipher Actionable Genetic Alterations for Personalized Immunotherapy in Advanced Prostate Cancer *Di Zhao, PhD (MD Anderson Cancer Center)*
3:20 pm - 3:45 pm	Microbiome After Menopause: Impact on Urinary Microbiome, Metabolome and Recurrent UTI Susceptibility *Nicole J. De Nisco, PhD (The University of Texas at Dallas)*
3:45 pm - 4:00 pm	**TRAVEL AWARD PRESENTATION #3** *Jaceline Sanches*
4:00 pm - 4:25 pm	The Crosstalk Between Gut and Cancer-Induced Bone Pain *Yusuke Shiozawa, MD, PhD (Wake Forest University)*
4:25 pm - 4:50 pm	Driving γδ CAR-T cells into the Bone Metastatic Prostate Microenvironment *Conor C. Lynch, PhD (Moffitt Cancer Center)*
4:50 pm - 6:45 pm	**POSTER SESSION #1**

SBUR 2025 Agenda

Saturday, November 15, 2025

9:00 am - 10:00 am	**Leland W.K. Chung Lecture: Elucidating the Role of MYC Family Members in Prostate Cancer** *Myles Brown, MD (Harvard Medical School, Dana-Farber Cancer Institute)*
10:00 am - 12:05 pm	**PLENARY SESSION IV: Big Data and Artificial Intelligence in Urology** *Discussion Leaders: Jonathan Zhao, MD, MA (Emory University), Lixing Yang, PhD (University of Chicago)*
10:00 am - 10:25 am	Harnessing Artificial Intelligence for Prostate Cancer Care *Liang Cheng, MD, MS (Brown University)*
10:25 am - 10:40 am	**TRAVEL AWARD PRESENTATION #4** *Livia M. Bogdan*
10:40 am - 10:50 am	**COFFEE BREAK**
10:50 am - 11:15 am	Transcriptional and Functional Landscape of Circular RNA in Prostate Cancer *Housheng Hansen He, PhD (University of Toronto)*
11:15 am - 11:40 am	Learning Multi-Omics-Seq Data to Predict Pioneer Factors-Mediated Nucleosome Repositioning in Lethal Prostate Cancer *Victor Jin, PhD (Medical College of Wisconsin)*
11:40 am - 12:05 pm	Single-Cell Transcriptome Atlas to Reveal Heterogeneity and Cellular Ecosystem Dynamics During Prostate Cancer Progression *Zheng Xia, PhD (Oregon Health & Science University)*
12:05 pm - 1:05 pm	**LUNCH**
1:05 pm - 3:45 pm	**PLENARY SESSION V: Cellular Heterogeneity and Plasticity in Urological Biology** *Discussion Leaders: Dolores DiVizio, MD, PhD (Cedars-Sinai Medical Center), Ming Chen, PhD (Duke University)*
1:05 pm - 1:30 pm	Molecular Determinants of Prostate Cancer Lineage Plasticity *David Goodrich, PhD (Roswell Park Comprehensive Cancer Center)*
1:30 pm - 1:55 pm	Epigenetic Basis & Therapeutic Targeting of Prostate Cancer Heterogeneity and Plasticity *Dean Tang, PhD (Roswell Park Comprehensive Cancer Center)*
1:55 pm - 2:10 pm	**TRAVEL AWARD PRESENTATION #5** *Xingbo Long*
2:10 pm - 2:35 pm	Multi-Functional Neuronal Protein Drives the Growth, Differentiation, and Metastasis of Advanced Prostate Cancer *Jung Wook Park, PhD (Duke University)*
2:35 pm - 3:00 pm	Dissecting the Heterogeneity within Aggressive Variant Prostate Cancers *Ana Aparicio, MD (MD Anderson Cancer Center)*
3:00 pm - 3:15 pm	**COFFEE BREAK**
3:15 pm - 3:55 pm	Awards Ceremony
3:55 pm - 4:35 pm	SBUR Business Meeting
4:35 pm - 6:35 pm	**POSTER SESSION #2**

SBUR 2025 Agenda

Sunday, November 16, 2025

9:00 am - 10:00 am	Dr. Leland W.K. Chung Mentorship Award: Mentoring and the "et al" Phenomenon *John T. Issacs, PhD (John Hopkins University)*
10:00 am - 12:45 pm	**PLENARY SESSION VI: Novel and Emerging Therapeutic Approaches in Urological Research** *Discussion Leaders: Kymora Scotland, MD, PhD (UCLA), Su Deng, PhD (Yale University)*
10:00 am - 10:25 am	Leveraging the Surgical Trial in Metastatic Prostate Cancer Research: Cytoreductive Radical Prostatectomy in Men with De Novo Metastatic Prostate Cancer *Isaac Kim, MD, PhD (Yale University)*
10:25 am - 10:50 am	Targeting RNA Methylation for Castration-Resistant Prostate Cancer *Kexin Xu, PhD (University of Virginia)*
10:50 am - 11:05 am	**TRAVEL AWARD PRESENTATION #6** *Varshiny Gopinath*
11:05 am - 11:15 am	**COFFEE BREAK**
11:15 am - 11:40 am	From Prostate Cancer Disparities Research to Precision Medicine *Adam Murphy, MD (Northwestern University)*
11:40 am - 12:05 pm	Integrating Dietary Interventions with the Treatment of Urological Malignancies *Roberto Pili, MD (University at Buffalo)*
12:05 pm	Closing Remarks *Christina Jamieson, PhD, SBUR President*

Save the Date!

Poster Session #1

FRIDAY, NOVEMBER 14 • 4:50 PM - 6:45 PM SALONS 9 & 10

2

Cooperativity between DNA methylation and EZH2 activity drives neuroendocrine phenotype in advanced prostate cancer

Richa Singh, PhD

Weill Cornell Medicine, New York, NY, USA

3

Ureaplasma Cystitis: A Covert Commensal Capable of Chaos

David Buchinsky, BA

Wright State University Boonshoft School of Medicine, Dayton, OH, USA

4

Physical And Functional Cooperation of SOX2 And FOXA1 In Therapy-Resistant Prostate Cancer

John T. Phoenix BS[1], Audris Budreika MS1, Devin A. Schmeck BS[2], Raymond J. Kostlan MS[1], Marina G. Ferrari MS1, Kristen S. Young BS[1], Charles S. Rogers BS1, Carleen D. Deegan MS[1], Hannah E. Bergom BS[2], Ella Boytim BS[2], Ryan M. Brown BS[3], Leigh Ellis PhD[4], Emmanuel S. Antonarakis MD[2], Justin M. Drake PhD[5], Pushpinder Bawa PhD[6], Jordan E. Vellky PhD[3], Anthony Williiams PhD[7], Natalie M. Reizine MD[3], Jonathan P. Rennhack PhD[1], Sean W. Fanning PhD[1], Justin H. Hwang PhD[2], Russell Z. Szmulewitz MD[7], Donald J. Vander Griend PhD[3], Steven Kregel PhD[1]

[1]Department Of Cancer Biology, Loyola University Chicago, Maywood, IL, USA. [2]Department Of Medicine, University of Minnesota, Minneapolis, MN, USA. [3]Department Of Pathology, University of Illinois at Chicago, Chicago, IL, USA. [4]Center For Prostate Disease Research, Uniformed Services University of The Health Sciences, Bethesda, MD, USA. [5]Department Of Pharmacology, University of Minnesota, Minneapolis, MN, USA. [6]Center For Regenerative Medicine of Boston University and Boston Medical Cente, Boston, MA, USA. [7]Department Of Medicine, University of Chicago, Chicago, IL, USA

5

Therapeutic Targeting of Hippo-YAP/TAZ Pathway with Small Molecule YAP/TAZ–TEAD Inhibitors in Prostate Cancer

Vandana Mohan PhD[1,2], Sweaty Koul Msc[1,2], Hari K Koul PhD[1,3,2]

[1]LSUHSC, New Orleans, LA, USA. [2]LSU-LCMC Cancer Center, New Orleans, LA, USA. [3]VAMC-SLVHCH, New Orleans, LA, USA

6

Targeting Eif4g1, The Crucial Scaffold of The Translation Initiation Complex Eif4f, Enhances the Sensitivity of Prostate Cancer Cells to Androgen Receptor Signaling Inhibitors

Pramod Bahadur KC PhD[1,2], Sweaty Koul Msc1[2], Hari K Koul PhD[1,3,2]

[1]LSUHSC, New Orleans, LA, USA. [2]LSU-LCMC Cancer Center, New Orleans, LA, USA. [3]VAMC-SLVHCS, New Orleans, LA, USA

7

Interplay Of Circadian Cryptochrome 1 (CRY1) And DNA Repair in Prostate Cancer (Pca)

Arwa Fallatah PhD[1,2,3], Stefan Difazio Msc[1,2,3], Lakshmi Ravindranath Bsc[1,2,3], Orly Richter Bsc[1,2,3], Christopher Mcnair PhD[4,5], Ayesha Shafi PhD[1,2,3]

[1]Center For Prostate Disease Research, Bethesda, Maryland, USA. [2]Murtha Cancer Center Research Program, Bethesda, Maryland, USA. [3]The Henry M. Jackson Foundation for The Advancement of Military Medicine, Bethesda, Maryland, USA. [4]Sidney Kimmel Comprehensive Cancer Center, Philadelphia, Pennsylvania, USA. [5]Thomas Jefferson University, Philadelphia, Pennsylvania, USA

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Cytokine Secretion of Infiltrating B Cells Promotes Prostate Cancer Metastasis

Crystal Byrd PhD, Geou-Yarh Liou PhD

Clark Atlanta University, Atlanta, GA, USA

Department Of Biological Sciences, And Center for Cancer Research & Therapeutic Development, Clark Atlanta University, Atlanta, GA 30314, USA

9

Characterization Of a Senescence Phenotype Induced by Advanced Glycation End Products in Prostate Cancer

Luisa Bacca PhD Student[1,2], Tarek Hallal Msc[3], Carole Luthold PhD4, Nadia Boufaied PhD, François Bordeleau PhD[4], David P. Labbé PhD[1,2,3,5]

[1]Division Of Clinical and Translational Research, Department of Medicine, Mcgill University, Montreal, Quebec, Canada. [2]Cancer Research Program, Research Institute of The Mcgill University Health Centre, Montreal, Quebec, Canada. [3]Department Of Anatomy and Cell Biology, Mcgill University, Montreal, Quebec, Canada. [4]Département De Biologie Moléculaire, De Biochimie Médicale Et De Pathologie, Université Laval, Quebec City, Quebec, Canada. [5]Division Of Urology, Department of Surgery, Mcgill University, Montreal, Quebec, Canada

10

Characterization Of FAM120A As a Novel Effector in The Progranulin/Epha2 Oncogenic Axis in Bladder Cancer

Vrunda Satasiya BS[1,2], Canio Martinelli MD[1,3], Gabriel Pascal BS[4], Elisa Ventura PhD[1,5], Stephen J. Williams PhD[1], Giacomo Ducci PhD[6], Elena Sacco PhD[6], Marco Vanoni PhD[6], Antonino Belfiore MD[7], Renato V. Iozzo MD, PhD[4], Antonio Giordano MD,PhD[1,2], Andrea Morrione PhD[1]

[1]Sbarro Institute for Cancer Research and Molecular Medicine Center for Biotechnology, Department of Biology, College of Science and Technology, Temple University, Philadelphia, PA, USA. [2]Department Of Medical Biotechnologies, University of Siena, Siena, N/A, Italy. [3]Unit Of Gynecology and Obstetrics, Department of Human Pathology of Adults and Developmental Age, G, Martino University Hospital, Messina, N/A, Italy. [4]Department Of Pathology and Genomic Medicine, And the Translational Cellular Oncology Program, Sidney Kimmel Comprehensive Cancer Center, Sidney Kimmel Medical College at Thomas Jefferson University, Philadelphia, PA, USA. [5]Università Vita-Salute San Raffaele, Milan, N/A, Italy. [6]Department Of Biotechnology and Biosciences, University of Milano-Bicocca, Milan, N/A, Italy. [7]Department Of Clinical and Experimental Medicine, Endocrinology Unit, University of Catania, Garibaldi-Nesima Hospital, Catania, N/A, Italy

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Intrinsic Higher Potency of Basal Urothelial Cells to Intermediate and Umbrella Cells as The Cell of Origin for Bladder Cancer

Chuan Yu PhD[1], Nicholas Chu BS[1], Alexandra Aguirre BS[1], Jonathan Green BS[1], Qing Xie PhD[1], Beatrice Knudsen MD, PhD[2], Zhu Wang PhD[1]

[1]University Of California Santa Cruz, Santa Cruz, CA, USA. [2]University Of Utah, Salt Lake City, UT, USA

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Inhibition Of Connexin 26 Reduces Tumor Growth and Regulates Proliferation, Migration, And ATP Release in Renal Cancer Models

Amr Al-Haidari PhD[1], Fengshen Kuo PhD[2], Ari Hakimi MD, PhD[3,2], Fabio Mammano PhD[4], Phillip M. Rappold MD, PhD[1]

[1]Department Of Urology, University of Rochester Medical Center, Rochester, NY, USA. [2]Immunogenomics And Precision Oncology Platform, MSKCC, NYC, NY, USA. [3]Department Of Surgery, Urology Service, Memorial Sloan Kettering Cancer Center, NYC, NY, USA. [4]Department Of Physics "G. Galilei," University of Padua, Padua, Padua, Italy

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Modifications To Prostate Organoid Assay for Improved Growth

Christina Dann PhD, Brianna Mcswain BS

Cook Medical, Bloomington, IN, USA

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Immune Response Pathways Rewiring in The Transition to Enzalutamide Resistance and Neural Lineage Plasticity in Prostate Cancer

Pengfei Xu MD, PhD[1], Huan Qu PhD[1], Joy C. Yang PhD[1], Fan Wei PhD1, Junwei Zhao PhD[2], Menghuan Tang PhD[2], Leyi Wang PhD[1,3], Christopher Nip BS, Allen C. Gao MD, PhD[1,4], Kit Lam PhD[2,4], Marc Dall'Era MD[1,4], Yuanpei Li PhD[2,4], Chengfei Liu MD, PhD[1,3,4]

[1]Department Of Urologic Surgery, University of California, Davis, Sacramento, CA, USA. [2]Department Of Biochemistry and Molecular Medicine, School of Medicine, University of California, Davis, Sacramento, CA, USA. 3Graduate Group in Integrative Pathobiology, University of California, Davis, Sacramento, CA, USA. 4University Of California, Davis Comprehensive Cancer Center, Sacramento, CA, USA

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Stem-Like Prostate Remodeling in Obesity Mediates Resistance To 5α-Reductase Inhibition Therapy In BPH

Xingbo Long MD[1], Christina Sharkey PhD[1], Shuoshuo Wang PhD[2], Yao Tang MS[1], Aaron Fleishman MD[1], Ruslan Korets MD[1], Boris Gershman MD[1], Heidi Rayala MD[1], Douglas Strand MD[3], Zongwei Wang PhD[1], Aria Olumi MD[1]

[1]Department Of Surgery, Division of Urology, Beth Israel Deaconess Medical Center, Harvard Medical School, Boston, MA, USA. [2]Spatial Technologies Unit, Department of Pathology, Beth Israel Deaconess Medical Center, Harvard Medical School, Boston, MA, USA. [3]Department Of Urology, The University of Texas Southwestern Medical Center, Dallas, Texas, USA

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TLK1-Nek1 Axis Promotes Prostate Cancer Immune Evasion Through YAP1-Y407-Driven PD-L1 Expression

Damilola Olatunde MS, Arrigo De Benedetti PhD

Louisiana State University Health Science Center, Shreveport, LA, USA

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Muscle Invasive Bladder Cancer

Nicole Jerome BS, Yin Wang PhD., Grace Lee Undergraduate, Alan Kelleher BA, Marian Henderson BS, Luke Broses BS, Kathleen Day BS, Mark Day PhD., Matthew Soellner PhD., Phillip Palmbos MD, PhD

University Of Michigan, Ann Arbor, Michigan, USA

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Targeting PLXND1 Using RNA Bioengineering Technologies and Customized Lipid Nanoparticles in Advanced Prostate Cancer

Huan Qu PhD[1], Menghuan Tang PhD[2], Qiufang Zong PhD[2], Sohaib Mahri PhD[2], Pengfei Xu MD PhD[1], Joy C. Yang PhD[1], Fan Wei PhD[1], Junwei Zhao PhD[2], Meijuan Tu PhD[2], Neelu Batra PhD[2], Leyi Wang PhD[1,3], Allen C. Gao MD PhD[1,4], Kit Lam PhD[2,4], Marc Dall'Era MD PhD[1,4], Aiming Yu PhD[2,4], Yuanpei Li PhD[2,4], Chengfei Liu MD PhD[1,3,4]

[1]Department Of Urologic Surgery, University of California, Davis, Sacramento, California, USA. [2]Department of Biochemistry and Molecular Medicine, School of Medicine, University of California, Davis, Sacramento, California, USA. [3]Graduate Group in Integrative Pathobiology, University of California, Davis, Sacramento, California, USA. [4]University of California, Davis Comprehensive Cancer Center, Sacramento, California, USA

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Studies On the Functionality of the TC-NER ERCC6-M1097V Protein Variant Frequently Found in Louisiana PCA Patients Upon UV Damage

Ogundepo Oluwatobi Bsc, Arrigo De Benedetti PhD

LSUHS, Shreveport, LA, USA

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EZH2 Suppression Diversifies Prostate Cancer Lineage Variant Evolution but Does Not Inhibit Disease Progression

Justine Jacobi PhD[1], Kristine Wadosky PhD[1], Neha Jaiswal PhD[1], Xiaojing Zhang BS[1], Yanqing Wang BS[1], Prashant Singh PhD[1], Shweta Kukreja PhD[2], Paloma Cejas PhD[2], Henry Long PhD[2], David Goodrich PhD[1]

[1]Roswell Park Comprehensive Cancer Center, Buffalo, NY, USA. [2]Dana Farber Cancer Institute, Boston, MA, USA

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CCT As a Driver of Prostate Cancer Invasion and Resistance: A New Therapeutic Target

Carolyn Dang MS[1], James Velazquez BS[1], Colten Frank MS[1], Matthew Counts BS[1], Lorraine Leon PhD[1], Priya K Gopalan MD, PhD[2], Sally Litherland PhD[1], Annette Khaled PhD[1]

[1]University Of Central Florida, Orlando, FL, USA. [2]Orlando VA Healthcare Systems, Orlando, FL, USA

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Urinary Proteomics in Patients with Cisplatin Treated Muscle Invasive Bladder Cancer

Paul Reynolds BS, Jared Rack MS, Thomas Gremminger PhD, Michaella Rekowski PhD, Michael Washburn PhD, John Taylor III MD, MS, Ben Woolbright PhD

University Of Kansas Medical Center, Kansas City, KS, USA

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Impact Of Aging on Bladder Cancer Differentiation in Mice

Jared Rack MS, Erika Abbott BS, Harsh Pathak PhD, Amrita Mitra PhD, Andrew Godwin PhD, Katie Dennis MD, John Taylor MD, MS, Benjamin Woolbright PhD

University Of Kansas Medical Center, Kansas City, KS, USA

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L-MYC Is Upregulated in Neuroendocrine Prostate Cancer and Maintains Neuroendocrine Identity

Jeyaluxmy Sivalingam[1], Kyung Hyun Cho[1], Yingli Shi[2], Preston Barron[3], Michael Lan[4], Xiuping Yu1,[5#]

[1]Department Of Biochemistry & Molecular Biology, LSU Health-Shreveport, LA. [2]Department Of Microbiology & Immunology, LSU Health-Shreveport, LA. [3]School Of Medicine, LSU Health-Shreveport, LA. [4]Department Of Genetics, LSU Health-New Orleans, LA. [5]Department Of Urology, LSU Health-Shreveport, LA. [#]Correspondence Xiuping.Yu@Lsuhs.Edu.

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ERCC6 Activity and Structure/Function Relation Involves Regulation by NEK1 Via the SYSY Hydroxyl Patch

Oluwatobi Ogundepo Bsc, Arrigo Debenedetti PhD

LSU Health Sciences Shreveport, Shreveport, LA, USA

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CRISPR Screen Reveals FXYD5 As Siglec-7 Ligand for Prostate Cancer

Ru M Wen PhD[1], Assistant Prof. G. Edward W Marti PhD[1,2], Mr Eric E Peterson Master[1], Dr Zenghua Fan PhD[3], Dr Aram Lyu PhD[4], Dr Hongjuan Zhao PhD[1], Prof Lawrence Fong MD[4,3], Prof. Donna Peehl PhD[3], Prof Sharon Pitteri PhD[1], Prof James Brooks MD[1]

[1]Stanford University, Stanford, CA, USA. [2]Washington University in St Louis, St Louis, MO, USA. [3]UCSF, San Francisco, CA, USA. [4]Fred Hutchingson Cancer Center, Seattle, WA, USA

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Semaphorin4D Promotes Prostate Tumor Growth Via Angiogenesis and Immune Suppression

Kavin Velur Ganesan MS[1,2], Aerken Maolake MD, PhD[3], Renyuan Zhang PhD[3], Kent Nastiuk PhD[3,4]

[1]Roswell Park, Buffalo, NY, USA. [2]University At Buffalo, Buffalo, NY, USA. [3]Roswell Park, Buffalo, NY, USA. [4]University At Buffalo, Buffalo, Ny, USA

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CEACAM1-Dependent Suppression of CD8⁺ T Cells by Inflamed Basal Prostate Stem Cells in Benign Prostatic Hyperplasia

Saeed Alqahtanin PhD[1, 2]

[1]Purdue University, West Lafayette, IN, USA.

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RNA-Binding Protein NF90 Interacts with EZH2 To Induce AR Transcription and Prostate Cancer Progression

YUAN WANG PhD, Liu Peng PhD, Jonathan Zhao PhD, Jindan Yu PhD

Emory University, Atlanta, Georgia, USA

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Epigenetic Regulation of Neuroendocrine Prostate Cancer Cell State by CHD7

Lucia Kisova BA[1], Caden Mcquillen MS[1], Kate Dunmore M.Sci.[2], Richard Garner MS[2], Richa Singh PhD[3], David Rickman PhD[3], Nicholas Brady PhD[3]

[1]Master's Program in Computational Biology, Weill Cornell Graduate School of Medical Sciences, New York, NY, USA. [2]BCMB PhD Program, Weill Cornell Graduate School of Medical Sciences, New York, NY, USA. [3]Department Of Pathology and Laboratory Medicine, Weill Cornell Medicine, New York, NY, USA

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Targeting LSD1 Induces FGFR Signaling for Survival in Neuroendocrine Prostate Cancer

Sumer Jasmine BS, Susan Dalrymple BS, Sung Kim MS, Rajendra Kumar PhD, Samuel Denmeade MD, Srinivasan Yegnasubramanian MD, PhD, Sushant Kachhap PhD,Laura Sena MD,PhD, W. Nathaniel Brennen PhD

Johns Hopkins School of Medicine, Baltimore, MD, USA

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Chemo-Sensitizing Effect of Manzamine a In Prostate Cancer to Prevent Drug Resistance

Ademilola Tejuoso MD, Uzoma Anele MD, Murali Ankem MD, Dev Karan PhD

Department Of Urology, University of Louisville, Louisville, KY, USA

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Notch-Ing Toward A UTUC Model Through A Re-Defined Understanding Of Upper Urinary Tract Urothelium

Benjamin L. Woolbright PhD[1], Felipe Rodriguez-Tirado PhD[2], Livia M. Bogdan BS[2], Rishil Patel BS[2], Kelly M. Grounds BS[2], Ashley R. Jackson PhD[2,3,4]

[1]University Of Kansas Medical Center, Department of Cancer Biology, Kansas City, KS, USA. [2]Kidney And Urinary Tract Center, Abigail Wexner Research Institute at Nationwide Children's Hospital, Columbus, OH, USA. [3]Division Of Nephrology and Hypertension, Nationwide Children's Hospital, Columbus, OH, USA. [4]Department Of Pediatrics, The Ohio State University College of Medicine, Columbus, OH, USA

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RIPK2 And CDK2 Form a Targetable Positive Feedback Loop in Prostate Cancer Cells

Ahmed Elgehama PhD, Jaceline Sanches PhD, Lili Guerra B. Sc, Leslie Chiu, Wei Yang PhD

Stony Brook University, Stony Brook, NY, USA

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Targeting Metabolic Dependencies of Neuroendocrine Prostate Cancer (NEPC) Transdifferentation

Aaron Novickis MS[1], Aryn Rowsam PhD[2], Mohammed Alqarni MS[1], Justine Jacobi PhD[1], Spencer Rosario PhD[1], Andrei Gudkov PhD[1], Dominic Smiraglia PhD[1]

[1]Roswell Park Comprehensive Cancer Center, Buffalo, NY, USA. [2]Hartwick College, Oneonta, NY, USA

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PHF8 Is a Major Upstream Regulator of RIPK2 In Prostate Cancer Cells

Jaceline Sanches PHD, Ahmed M. Elgehama PhD, MD, Lili M Guerra MS, Wei Yang PHD

Department Of Pathology and Cancer Center, Renaissance School of Medicine, Stony Brook University, Stony Brook, New York, USA

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Atypical Chemokine Receptor CXCR7 Induces Prostate Cancer Progression by Modulating the Tumor Immune Microenvironment

Hongshun Shi PhD[1], Ziqi Zhang MS[2], Lourdes Brea PhD[1], Zhuoyuan Lin PhD[1], Sambhavi Senthil BS[1], Baohan Thi PhD[1], Viriya Keo PhD[1], Galina Gritsina PhD[1], Jonathan Zhao PhD[1], Haydn Thomas Kissick PhD[1], Xiuwei Zhang PhD[2], Jindan Yu PhD[1]

[1]Emory University, Atlanta, GA, USA. [2]Georgia Institute of Technology, Atlanta, GA, USA

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Targeting DNMT To Inhibit Neuroendocrine Prostate Cancer Transdifferentiation Driven by NCOR2 Loss

Mohammed Alqarni MS1Justine Jacobi PhD[1], Aaron Novickis MS[1], Andreas Henkel PhD[2], Dr. Anna Bianchi-Smiraglia PhD[1], David Goodrich PhD[1], Moray Campbell PhD[3], Dominic Smiraglia PhD[1]

[1]Roswell Park Comprehensive Cancer Center, Buffalo, NY, USA. [2]Synosoft Software-Development, Wetzlar, Hesse, Germany. [3]Cedars-Sinai Medical Center, Los Angeles, CA, USA

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CDK2 Controls RIPK2 Ubiquitination and Stability in Prostate Cancer Cells

Lili Guerra MS, Ahmed Elgehama PhD, Jaceline Gislaine Pires Sanches PhD, Leslie Chiu BS, Dr. Wei Yang PhD.

Department Of Pathology and Cancer Center, Stony Brook University, Stony Brook, NY, USA

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A Multiomic Cellular Reference Atlas of Healthy Human Male and Female Lower Urinary Tract

Emily Paterson Bachelor, Kaitlin Forsythe Bachelor, Nik Malev BS, Jashkaran Gadhvi PhD, Samuel Cornelius BS, Alicia Malewska MS, Alicia Simmons BS, John Lafin PhD, Douglas Strand PhD

University Of Texas Southwestern, Dallas, TX, USA

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FOXA1 Loss Induces Aggressive Prostate Cancer Through Lineage Plasticity and Immune Remodeling

Yinghua Xie PhD[1], Lourdes Brea PhD[1], Hongshun Shi PhD[1], Jonathan C. Zhao MD, MA[2], Jindan Yu MD, PhD[1,2]

[1]Department Of Urology, Emory University, Atlanta, GA, USA. [2]Department of Human Genetics, Emory University, Atlanta, GA, USA

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BUB1B Kinase Activity Drives Castration-Resistant and Androgen Receptor Antagonist-Resistant Prostate Cancer

Maria Martinez PhD

University Of Miami, Miami, Fl, USA

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GLP1R Expression Is Prevalent in Prostate Cancer Patients and GLP1R Agonism Has Inhibitory Effects on Prostate Cancer Cells

Jordan Vellky PhD, Soumen Bera PhD, Lisa Gutgesell PhDRobert Sargis MD, Mark Maienschein-Cline PhD, Natalie Reizine MD, Donald Vander Griend PhD

University Of Illinois at Chicago, Chicago, IL, USA

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Single Cell Insights on Inflammation-Induced Transitional States in Benign Prostate Hyperplasia

Nikhila T. Suresh PhD[1,2], Krinio Giannikou PhD[3], Jiang Yang PhD[1,2], Meaghan M. Broman PhD[1,2], Nadia A. Lanman PhD[1,2], Saeed Alqahtani PhD[1,2], Aditya Bagrodia MD[3], Christina Jamieson PhD[3], Timothy L Ratliff PhD[1,2]

[1]Purdue University, West Lafayette, IN, USA. [2]Purdue Institute for Cancer Research, West Lafayette, IN, USA. [3]Moores Cancer Center, UC San Diego Health, San Diego, CA, USA

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KDM5D Promotes CHK1 Inhibitor Sensitivity Through P38-Mediated COX-2 Expression in Castration-Resistant Prostate Cancer Cells

Wenxiao Zheng MS, MD, Shichen Li BS, Raymond West PhD, Thomas Nolin Pharmd, PhD, FCCP, FCP, FASN, Song Li PhD, MD, Qiming Jane Wang PhD

University Of Pittsburgh, Pittsburgh, PA, USA

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Assessing HER3 Expression as A Biomarker for Disease Progression and Drug Sensitivity in Prostate Cancer

Hannah Maluvac BS[1], Jordan Vellky PhD[2,3], Karine Tawagi MD[4,3], Natalie Reizine MD[4,3], Donald Vander Griend PhD[2,3]

[1]University Of Illinois at Chicago College of Medicine, Chicago, IL, USA. [2]University Of Illinois at Chicago Department of Pathology, Chicago, IL, USA. [3]The University of Illinois Cancer Center, Chicago, IL, USA. [4]UI Health Division of Hematology/Oncology, Chicago, IL, USA

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Loss Of PTH1R In Mesenchymal Cells Inhibits Prostate Cancer Metastasis and Decreases IL33 Expression in Osteoblasts

Shubhra Kanti Dey BS[1], Yawei Zhao PhD[1], Shang Su PhD[2,1], Xiaohong Li PhD[1]

[1]Department Of Cell and Cancer Biology, College of Medicine and Life Sciences, The University of Toledo, Toledo, OH, USA. [2]Department Of Comparative Biomedical Sciences, School of Veterinary Medicine, Louisiana State University, Baton Rouge, LA, USA

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Notch Signaling Drives Renal Urothelium Differentiation and Barrier Maturation in Urinary Tract Obstruction (UTO)

Livia M. Bogdan BS[1], Felipe Rodriguez-Tirado PhD[1], Rishil Patel BS[1], Andrew J. Hardman BS[1], Kelly M. Grounds BS[1], Birong Li MS1, Brian Becknell MD,PhD[1,2,3], Ashley R. Jackson PhD[1,2,3]

[1]Kidney And Urinary Tract Center, Abigail Wexner Research Institute at Nationwide Children's Hospital, Columbus, OH, USA. [2]Division Of Nephrology and Hypertension, Nationwide Children's Hospital. Columbus, OH, USA. [3]Department Of Pediatrics, The Ohio State University College of Medicine, Columbus, OH, USA

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Piezo1 Promotes a Ppary-Directed Program of Renal Urothelium Differentiation

Felipe Rodriguez PhD[1], Glenis Tocaj BS[1], Livia M. Bogdan BS[1], Mohammad Alharakeh PhD[1], Andrew J. Hardman BS[1], Kelly M. Grounds BS[1], Gamaliel Sanchez-Orellana PhD[1], Juan De Dios Ruiz-Rosado PhD[1,2,3], Birong Li MS[1], Brian Becknell MD PhD[1,2,3], Ashley Jackson PhD[1,2,3]

[1]Kidney And Urinary Tract Center, Abigail Wexner Research Institute at Nationwide Children's Hospital, Columbus, Ohio, USA. [2]Division Of Nephrology and Hypertension, Nationwide Children's Hospital, Columbus, Ohio, USA. [3]Department Of Pediatrics, The Ohio State University College of Medicine, Columbus, Ohio, USA

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The Lipid-Inflammation Link in Benign Prostatic Hyperplasia – A Correlation Analysis of Concurrent Pathologies in Enucleated Prostate Tissues

Dita Julianingsih MS[1,2], Thaissa Horne MS[1,2], Kasun Gunawardena BS[1,2], Priya Singh BS[1,2], Savannah Ward BS[1,2], Ilya Sobol M[D3,4], Petra Popovics PhD[1,2]

[1]Department Of Biomedical and Translational Sciences, Macon & Joan Brock Virginia Health Sciences at Old Dominion University, Norfolk, VA, USA. [2]Leroy T. Canoles Jr. Cancer Research Center, Macon & Joan Brock Virginia Health Sciences at Old Dominion University, Norfolk, VA, USA. [3]Department Of Urology, Macon & Joan Brock Virginia Health Sciences at Old Dominion University, Norfolk, VA, USA. 4Urology Of Virginia, Suffolk, VA, USA

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Epithelial Cxcl17 Does Not Affect Prostatic Foam Cell Inflammation but Promotes Immune Infiltration and May Suppress Basal Cell Proliferation

Samantha Mcguire MS[1,2,] Thaissa Horne MS[1,2], Julianingsih Julianingsih MS[1,2], Mariah Jensen-Wachspress BS[1,2], Didem Ozcan-Tezgin PhD[1,2], Petra Popovics PhD[1,2]

[1]Department Of Biomedical and Translational Sciences, Macon & Joan Brock Virginia Health Sciences at Old Dominion University, Norfolk, VA, USA. [2]Leroy T. Canoles Jr. Cancer Research Center, Macon & Joan Brock Virginia Health Sciences at Old Dominion University, Norfolk, VA, USA

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Lipid Droplet Biogenesis by DGAT1 Fuels CAF Activation and CXCL12-Dependent Tumor-Stroma Crosstalk in Prostate Cancer

Md. Niaz Morshed PhD Student, Xinggui Shen PhD, Shourya Majumder M. Tech, Maksudul Alam PhD, Omar E. Franco MD, PhD

Louisiana State University Health Shreveport, Shreveport, Louisiana, USA

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POU2F3 And OCA-T1 Drive Lineage Plasticity Towards a Stem-Like Identity Through Chromatin Remodeling and Epigenetic Reprogramming in Advanced Prostate Cancer

Caden Mcquillen MS[1,2], Cara Mcquillen BS[3], Kate Dunmore M.Sci.[4], Richard Garner MS[4], Lucia Kisova BA[1], David Rickman PhD[3], Nicholas Brady PhD[3]

[1]MS-Computational Biology Graduate Program, Weill Cornell Graduate School of Medical Sciences, New York, NY, USA. [2]Louis V. Gerstner Jr. Graduate School of Biomedical Sciences, Memorial Sloan Kettering Cancer Center, New York, NY, USA. [3]Department Of Pathology and Laboratory Medicine, Weill Cornell Medicine, New York, NY, USA. [4]BCMB PhD Program, Weill Cornell Graduate School of Medical Sciences, New York, NY, USA

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Targeting P300/CBP Abolishes HOXB13 Loss-Induced Lipogenesis and Tumor Metastasis

Xiaodong Lu PhD, Liu Peng PhD, Qi Chu Master, Jonathan Zhao MD, Jindan Yu MD, PhD

Emory University, Atlanta, Georgia, USA

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Evaluating The Role of MEIS1 In Prostate Cancer Progression and AR Signaling

Paige Malmrose BS, Mathias Morales BS, Ryan Brown BS, Donald Vander Griend PhD

University Of Illinois at Chicago, Chicago, IL, USA

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A Translational Patient-Derived 3D-Bioprinted Tumoroid Platform for Modeling Tumor–Immune Interactions and Therapeutic Response in Bladder and Prostate Cancer

Christopher Lucchesi PhD

UC Davis, Sacramento, CA, USA. Department Of Veterans Affairs, Mather, CA, USA

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Cross-Species Data Integration as A Framework for Pre-Clinical Disease Model Validation

Tara M. Spencer BS[1], Meaghan M. Broman DVM, PhD, DACVP[1], Harish Kothandaraman MS[1], Petra Popovics PhD[2], Renee E. Vickman PhD[3,4], Simon W. Hayward PhD[3,4], Timothy L. Ratliff PhD[1], Nadia A. Lanman PhD[1]

[1]Purdue University, West Lafayette, Indiana, USA. [2]Old Dominion University, Norfolk, Virginia, USA. [3]University Of Chicago, Chicago, Illinois, USA. [4]Endeavor Health Research Institute, Evanston, Illinois, USA

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Characterization Of Novel Extra-Terminal BRD4 Inhibitor in Therapeutically Resistant Prostate Cancer

S Hu Ning PhD[1], Zachary Schaaf MS[1], Amy Leslie PhD[1], Masuda Sharifi MS[1], James Maine BS[1], Wei Lou MD[1], Pui-Kai Li PhD[2], Allen Gao MD. PhD[1]

[1]University Of California Davis Medical Center, Sacramento, CA, USA. [2]The Ohio State University, Columbus, OH, USA

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STAG2 Reprograms Chromatin Architecture to Promote Oncogenic Signaling Pathways In MIBC

Sarah Athans BS[1,2], Tao Liu PhD[1], Aimee Stablewski PhD[1], Anna Woloszynska PhD[1]

[1]Roswell Park Comprehensive Cancer Center, Buffalo, New York, USA. [2]University At Buffalo, Buffalo, New York, USA

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Targeting ARHGEF2-Mediated Gtpase Activation Inhibits Neuroendocrine Differentiation and Treatment Resistance in Advanced Prostate Cancer

Shu Ning PhD, Wei Lou MD, Zachary Schaaf MS, Amy Leslie PhD, Masuda Sharifi MS, Allen Gao MD, PhD

University Of California Davis, Sacramento, CA, USA

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Palmitoyl Acytransferase ZDHHC7 Promotes Ar Degradation To Suppress Prostate Cancer

Que Thanh Thanh Nguyen PhD[1], Zhuoyuan Lin PhD[2], Shivani Agarwal PhD[2], Jonathan C. Zhao MD,MA[3,4], Jindan Yu MD, PhD[3,4]

[1]Department Of Urology, Emory University School of Medicine, Atlanta, GA, USA. [2]Division Of Hematology/Oncology, Department of Medicine, Northwestern University, Chicago, IL, USA. [3]Department Of Human Genetics, Emory University School of Medicine, Atlanta, GA, USA. [4]Winship Cancer Institute, Emory University School of Medicine, Atlanta, GA, USA

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Microgravity Bioreactor Uncovers Heterogeneity in Prostate Cancer Stem-Like Cell Clusters

Kezhan Khazaw BS, Sebnem Unlu PhD, Bekir Cinar PhD

Clark Atlanta University, Atlanta, GA, USA

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Vitamin D Deficiency Leads to A Proinflammatory Microenvironment in The Prostate That Supports Carcinogenesis

Adriana Duraki BS, Larisa Nonn PhD, Kirsten Krieger PhD, Brenna Kirkpatrick PhD, Robert Sargis MD, Judy Wang BS, Sasha Celada BS

University Of Illinois Chicago, Chicago, Illinois, USA

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Investigating Zika Virus Infection in The Prostate: Cell-Specific Tropism and Effects

Reyalyn Villegas BS, Frances Chu BS, Jordan Vellky PhD, Donald Vander Griend PhD

University Of Illinois at Chicago, Chicago, IL, USA

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Targeting Canine Bladder Cancer with Nimbolide, A Neem (Azadirachta Indica) Limonoid

Neelu Batra PhD[1], Kenneth Iczkowski MD[1], Robert Rebhun DVM[2], Christopher Lucchesi PhD[1], Paramita Ghosh PhD[1]

[1]University Of California Davis, Sacramento, CA, USA. [2]University Of California Davis, Davis, CA, USA

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FOXA1 Represses TRIM25 Induced Prostate Cancer Progression

Hongwei Gao PhD, Su H. Park PhD, Qi Chu Mbiotech, Jonathan C. Zhao MD, Jindan Yu MD, PhD

Emory University, Atlanta, GA, USA

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Characterizing Response to PARP Inhibitor Treatment Combinations in Advanced Prostate Cancer

Bryan Correa Gonzalez BS[1], Akshaya Karthikeyan BS[1], Marc Dall'Era MD[1], Allen Gao MD, PhD[1], Alan Lombard PhD[1,2,3]

[1]UC Davis Urologic Surgery, Sacramento, CA, USA. [2]UC Davis Biochemistry and Molecular Medicine, Sacramento, CA, USA. [3]UC Davis Comprehensive Cancer Center, Sacramento, CA, USA

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Targeting Parpi Drug Tolerant Persistence and Progression on Treatment with Clinical Stage ATM Inhibitors in Advanced Prostate Cancer

Akshaya Karthikeyan BS[1], Bryan Correa-Gonzalez BS[1], Marc Dall'Era MD[1], Allen Gao MD, PhD[1], Alan Lombard PhD[1,2,3]

[1]UC Davis Urologic Surgery, Sacramento, California, USA. [2]UC Davis Biochemistry and Molecular Medicine, Sacramento, California, USA. [3]UC Davis Comprehensive Cancer Center, Sacramento, California, USA

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The Repurpose of Dabigatran Etexilate for Improving Prostate Cancer Treatment Through Inhibiting AR Signaling and Inducing Lipid and Cholesterol Metabolism, ER Stress, And Autophagic Apoptosis

Guanxing Zhai PhD

University Of California, Irvine, Irvine, CA, USA

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Rb1 Loss Accelerates Progression and Liver Metastasis in A Novel Mouse Model of Bladder Cancer

Billy Lu BS[1], Stephen Staklinski BS[2], Ryan Serio PhD[3], Domenic Gargiulo PhD[1], Lise Brault PhD[3], Steven Persaud BA[4], Hikmat Al-Ahmadie MD[5], David Solit MD[6], Adam Siepel PhD[2], Dawid Nowak PhD[1,3,7]

[1]Department Of Pharmacology, Weill Cornell Medicine, New York, NY, USA. [2]Simons Center for Quantitative Biology, Cold Spring Harbor Laboratory, Cold Spring Harbor, NY, USA. [3]Meyer Cancer Center, Weill Cornell Medicine, New York, NY, USA. [4]Weill Cornell Medical College, New York, NY, USA. [5]Department Of Pathology and Laboratory Medicine, Memorial Sloan Kettering, New York, NY, USA. [6]Marie-Josée and Henry R. Kravis Center for Molecular Oncology, Memorial Sloan Kettering Cancer Center, New York, NY, USA. [7]Division Of Hematology and Medical Oncology, Department of Medicine, Weill Cornell Medicine, New York, NY, USA

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A Syngeneic Murine Model for Dynamic Transition into Neuroendocrine Prostate Cancer

Gada Awdalkreem MBBS, Msc, Nikhila Suresh PhD, Meaghan Broman PhD,DVM, Nadia Lanman PhD, Jiang Yang PhD, Timothy Ratliff PhD

Purdue University, West Lafayette, IN, USA

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SELTA Restores Immune Homeostasis and Attenuates Inflammation in Murine Models of Chronic Pelvic Pain Syndrome and Psoriasis

Zhiqiang Liu MD, PhD., Stephen F. Murphy PhD., Catherine Osborn BA, Anthony J. Schaeffer MD, Praveen Thumbikat PhD.

Northwestern University, Chicago, IL, USA

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ONECUT2 Is a Driver of Metabolic Plasticity in Lineage Plastic Prostate Cancer

Jagpreet Singh Nanda PhD[1], Qian Yang PhD[2], Lillian M. Perez PhD1, Aleksander B. Stotland PhD[3], Andrew S. Goldstein PhD[4], Michael R. Freeman PhD[1]

[1]Departments Of Urology and Biomedical Sciences, Samuel Oschin Comprehensive Cancer Institute, Cedars-Sinai Medical Center, Los Angeles, CA, USA. [2]Departments Of Urology and Computational Biomedicine, Samuel Oschin Comprehensive Cancer Institute, Cedars-Sinai Medical Center, Los Angeles, CA, USA. [3]Molecular Cardiobiology, Smidt Heart Institute, Cedars-Sinai Medical Center, Los Angeles, CA, United States of America, Los Angeles, CA, USA. [4]Department Of Molecular, Cell, And Developmental Biology, University of California, Los Angeles, CA, USA

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Analysis Of the Chromatin Accessibility Landscape in Patients with Localized Prostate Cancer

Beatriz German PhD[1,2,3], Kun-Lin Ho PhD[1,2], Tri Truong Bsc[1], Jennifer Garbarino PhD[4], Ali Amina MT[5,1,2], Azadze William PhD[5], Sally Elsamanoudi MS[1,2], Colin Ng MS[4], Chesnut Gregory MD[5,1], Leigh Ellis PhD[1,2,3]

[1]Center For Prostate Disease Research, Bethesda, MD, USA. [2]The Henry M. Jackson Foundation for The Advancement of Military Medicine Inc, Bethesda, MD, USA. [3]Genitourinary Malignancies Branch, Center for Cancer Research, Bethesda, MD, USA. [4]Atlasxomics, INC., New Haven, CT, USA. [5]Urology Service, Walter Reed National Military Medical Center, Bethesda, MD, USA

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Restoration Of Epigenetically Silenced RNA-Binding Protein, CPEB1, By A Novel Small Molecule Inhibits Muscle-Invasive Bladder Cancer

Ashish Tyagi PhD[1], Balaji Chandrasekaran PhD[1], Arun Sharma PhD[2], Chendil Damodaran PhD[1]

[1]Texas A&M University, College Station, Texas, USA. [2]Penn State University, Hershey, PA, USA

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Establishment Of Patient-Derived Organoid (PDO) Models for The Discovery of New Biomarker of High-Risk Prostate Cancer

Theresa Dansu PhD[1], Jared Benjamin MD[1], Radhika Patel MD[1], Pratibha Shukla MD[1], Evan Kovac MD[1,2], Alex Papachristodoulou PhD[1,2]

[1]Rutgers New Jersey Medical School, Newark, NJ, USA. [2]Rutgers Cancer Institute, Newark, NJ, USA

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Genome-Wide Crispri Screening Identifies the Lncrna CRNDE as A Regulator of Lineage Plasticity and Metabolic Rewiring in Prostate Cancer

Yaru Xu PhD[1], Francesca Demichelis PhD[2], Matteo Benelli PhD[3], Joshua Mendell MD, PhD[4], Ping Mu PhD[1]

[1]Yale University, New Haven, CT, USA. [2]University of Trento, Trento, Trentino-Alto Adige / Südtirol, Italy. [3]University of Florence, Firenze, Toscana, Italy. [4]UT Southwestern Medical Center, Dallas, TX, USA

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Overcoming Drug Resistance in Ccrcc Through Inhibition of Protein Phosphatase 5 (PP5)

Sarah Backe PhD[1], Rebecca Sager MD, PhD[1], Jessica Dobler MD[1], Jennifer Heritz Bsc[1], Michael Daneshvar MD[2], John Chisholm PhD[3], Mark Woodford PhD[1], Dimitra Dimitra PhD[1], Gennady Bratslavsky MD[1], Mehdi Mollapour PhD[1]

[1]SUNY Upstate Medical University, Syracuse, NY, USA. [2]University Of California, Irvine, Irvine, CA, USA. [3]Syracuse University, Syracuse, NY, USA

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Therapeutic Targeting of The Spindle Checkpoint Kinase TTK In Neuroendocrine Prostate Cancer

Umar Mehraj PhD, Shaista Manzoor Msc, Everardo Macias PhD

Department Of Pathology, Duke University School of Medicine, Durham, NC, USA

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Increased VAV3 On Lipid Droplets In African American- Derived Prostate Cancer-Associatedfibroblasts Is Suppressed By DGAT1 & FABP4 Inhibitors

Philip Fitchev MD, Simon Hayward PHD, Renee Vickman PhD, Yana Filipovich MS, Susan Crawford MD

Endeavor Health, Evanston, IL, USA

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Novel Small Molecule Inhibitor of HIF2α Leads to Its Degradation and Triggers Apoptosis in Kidney Cancer

Sarah Backe PhD[1], Jennifer Heritz Bsc[1], Sara Cayaban Bsc[1], Rebecca Sager MD, PhD[1], Angela Pacherille PhD[2], Michael Basin MD[1], Michael Daneshvar MD[3], Dawn Post PhD[1], Mark Woodford PhD[1], Dimitra Bourboulia PhD[1], John Chisholm PhD[2], Mehdi Mollapour PhD[1], Gennady Bratslavsky MD[1]

[1]SUNY Upstate Medical University, Syracuse, NY, USA. [2]Syracuse University, Syracuse, NY, USA. [3]University Of California, Irvine, Irvine, CA, USA

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Prenatal Exposure to Estrogenic Endocrine Disruptors Leads to Transgenerational Alterations in Estrogen Receptor Expression and Signaling

Ana Lucila Bautista-Ruiz BA[1], Han Zhang MS[2], Valorie Tello BS[1], Teresa Liu PhD[3,4], William Ricke PhD[3]

[1]University Of Wisconsin School of Medicine and Public Health, Madison, WI, USA. [2]University Of Wisconsin-Madison School of Pharmacy, Madison, WI, USA. [3]University Of Wisconsin School of Medicine and Public Health, Department of Urology, Madison, WI, USA. [4]John Fisher University, Wegmans School Of Pharmacy, Rochester, NY, USA

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Semaphorin 5B (Sema5B) Is A Novel Oncogenic Factor in Renal Cancer Pathogenesis

Sagnik Giri PhD[1], Chinaza Nnam PhD[2], Lucas A. Salas PhD[2], Anirban Kundu PhD[1]

[1]University Of Arizona, Tucson, AZ, USA. [2]Dartmouth Geisel School of Medicine, Hanover, NH, USA

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Epithelial–Mesenchymal Transition-Induced Urothelial Fibrosis Recurrence Modeled Using Spheroids and Patient-Derived Organoids with Hydrogel-Based Antifibrotic Delivery

Varshiny Gopinath MS[1,2], Christina Jamieson PhD[1], Mahadevan Rajasekaran PhD[1], Vignesh Muthuvijayan PhD[2]

[1]University Of California Sandiego, La Jolla, California, USA. [2]Indian Institute of Technology Madras, Chennai, Tamil Nadu, India

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A Cell Type-Specific Characterization of The Androgen Receptor Cistrome in Human Lower Urinary Tract

Nikita Malev BS, Douglas Strand PhD., John Lafin PhD

UT Southwestern Medical Center, Dallas, TX, USA

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Sex-Specific DNA Methylation and Gene Expression Reveal Distinct Pathways in Muscle-Invasive Bladder Cancer

Bhavisha Doshi MS[1], Eduardo Cortes MS1, Bryan Gillard MS[2], Ellen Karasik MS[2], Norbert Sule MD, PhD[2], Spencer Rosario PhD[1], Barbara Foster PhD1, Jianmin Wang PhD[1], Wendy Huss PhD[1], Anna Woloszynska PhD[1]

[1]Roswell Park Comprehensive Cancer Center, University at Buffalo, Buffalo, New York, USA. [2]Roswell Park Comprehensive Cancer Center, Buffalo, New York, USA

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Therapeutic Development of ULK1/2 Inhibitors as Adjuvant Therapy in Bone Metastatic Prostate Cancer

Niloofar Etemadfard BS[1], Allison Limpert PhD[2], Sameena Wani PhD[2], Krinio Giannikou PhD[1], Jamillah Murtadha MS[1], Evodie Koutouan MS[1], Jenna Garcia BS[1], Michelle Muldong BS[1], Patrick Hagan BS[2], Sanghee Lee PhD[1], Young Eun Yoon MD, PhD[3], Douglas Sheffler PhD[2], Nicholas Cacalano PhD[4], Aditya Bagrodia MD, FACS[1], Christopher Kane MD[1], Catriona HM Jamieson MD, PhD[5], Terry Gaasterland PhD[6], Anna Kulidjian Khachatrian MD[7], Nicholas Cosford PhD[2], Christina AM Jamieson PhD[1]

[1]Dept Of Urology, Moores Cancer Center, University of California, San Diego, La Jolla, California, USA. [2]Sanford Burnham Prebys Research Institute, La Jolla, CA, USA. [3]Department Of Urology, Hanyang University College of Medicine, Seoul, Seongdong-Gu, Korea, Republic Of. [4]Dept Of Radiation Oncology, University of California, Los Angeles, Los Angeles, CA, USA. [5]Division Of Regenerative Medicine, Sanford Consortium Regenerative Medicine, Sanford Stem Cell Clinic, University of California, San Diego, La Jolla, CA, USA. [6]Scripps Institute of Oceanography, University of California, San Diego, La Jolla, CA, USA. [7]Scripps Health MD Anderson, La Jolla, CA, USA

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RSK-Driven TRIM28 Activation of E2F Pathway in RB1-Loss Castration Resistant Prostate Cancer

Ka-Wing Fong PhD, Miyeong Kim PhD, Jinpeng Liu PhD

University Of Kentucky, Lexington, KY, USA

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Mechanism Of Oncogenicity Induced by Overexpression of The PRL Phosphatases

Jingmei Yu PhD

Purdue University, West Lafayette, Indiana, USA

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ONECUT2 Reprograms the AR Network and Activates Non-Canonical EZH2 In Aggressive Prostate Cancer

Lillian M. Perez PhD[1], Qian Yang PhD[1]. Chen Qian PhD[1], Beatrice S. Knudsen PhD[2], Clayton C. Yates PhD[3], Moray J. Campbell PhD[1], Stephen J. Freedland PhD[1], Sungyong You PhD[1], Michael R. Freeman PhD[1]

[1]Cedars-Sinai Medical Center, Los Angeles, CA, USA. [2]University Of Utah, Salt Lake City, UT, USA. [3]Johns Hopkins University, Baltimore, MD, USA

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Poster Sessions
Salons 9 & 10

Networking & Welcome Reception
Pool Deck

General Sessions
Ballroom D

Registration Desk
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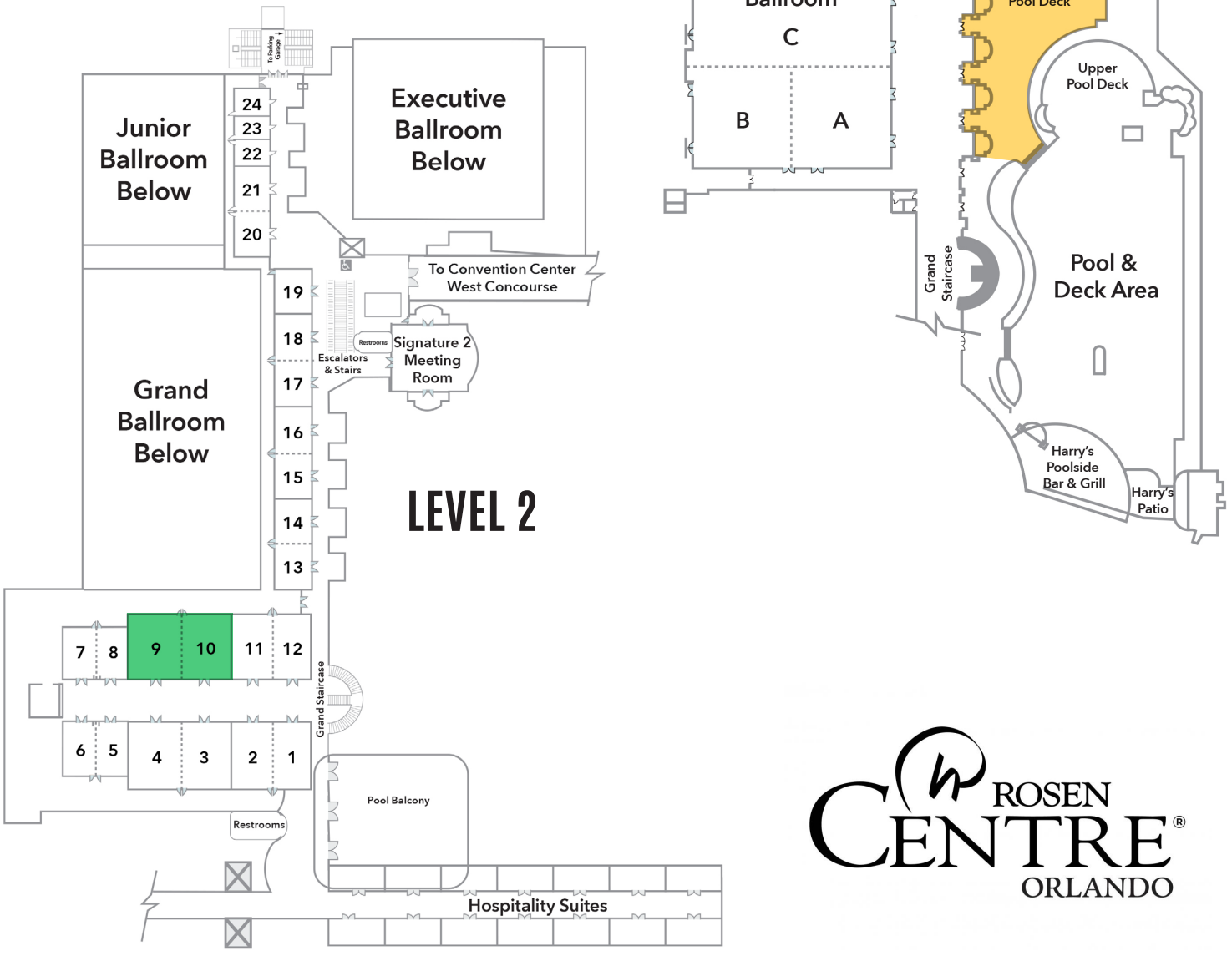

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