May 20, 2015

7:00 A.M. - 8:00 A.M.  Breakfast and Registration (Student Lounge)

7:00 A.M. - 8:00 A.M.  All posters set up (Great Hall)

8:00 A.M. - 10:00 A.M.  Focus Session A – Cancer Metabolism and Growth & Genome Instability and Cancer Genetics  (Main Lecture Hall)

8:00 A.M. - 10:00 A.M.  Focus Session B – Cancer Pharmacology Research & Clinical Investigations and Precision Therapeutics  (East Lecture Hall)

8:00 A.M. - 10:00 A.M.  Focus Session C – Cancer Prevention and Control  (West Lecture Hall)

10:00 A.M. - 11:30 A.M.  Poster Session (All Authors Present) & Coffee Break

10:00 A.M. - 11:30 A.M.  Public Forum - Immunotherapy for Cancer  (Room 010, Center for Advanced Biotechnology & Medicine)

11:30 A.M. - 11:35 A.M.  Welcome (Main Lecture Hall)

Robert S. DiPaola, MD  Director  Rutgers Cancer Institute of New Jersey  Rutgers Robert Wood Johnson Medical School

11:35 A.M. - 12:30 P.M.  Keynote Address:  (Main Lecture Hall)

Myc, Metabolism and the Pathway to Cancer  
Chi Van Dang, MD, PhD  
John H. Glick, M.D. Abramson Cancer Center Director’s Professor  
Director, Abramson Cancer Center, University of Pennsylvania
**Program Schedule**

The 2015 Annual Retreat on Cancer Research in New Jersey
Rutgers Robert Wood Johnson Medical School, 675 Hoes Lane, Piscataway, NJ

**May 20, 2015**

12:30 p.m. - 1:00 p.m.  
Lunch (Student Lounge)

1:00 p.m. - 4:15 p.m.  
Poster Session Continues

1:00 p.m. - 4:15 p.m.  
Focus Session D - Cancer Biology Discovery & Translation Symposium  
(Main Lecture Hall)

1:00 p.m. - 2:30 p.m.  
Focus Session E – Cancer Prevention & Control Symposium  
(East Lecture Hall)

1:00 p.m. - 4:15 p.m.  
Focus Session F - Cancer Therapeutics Symposium  
(West Lecture Hall)

2:30 p.m. - 2:45 p.m.  
Coffee Break

4:15 p.m.  
End of Program
Co-Chairs:  
Wenwei Hu, PhD, Assistant Professor of Radiation Oncology, Division of Radiation Cancer Biology, Rutgers Robert Wood Johnson Medical School, Rutgers Cancer Institute of New Jersey, New Brunswick, NJ  
Lisa Denzin, PhD, Associate Professor of Pediatrics, Child Health Institute of New Jersey, Rutgers Robert Wood Johnson Medical School, New Brunswick, NJ

(A1) INTERCELLULAR SIGNALING THAT MODULATES THE UBIQUITIN PROTEASOME SYSTEM: A DECISIVE STEP IN CANCER PROGRESSION  
Kishore K. Joshi, Tarmie Matlack, Christopher Rongo  
The Waksman Institute, Department of Genetics, Rutgers, The State University of New Jersey, Piscataway, NJ

(A2) RECIPROCAL REGULATION OF ABL KINASE BY CRKII Y251 AND ABI1 CONTROLS CELL MOTILITY AND INVASION IN GLIOBLASTOMA  
Sushil Kumar1, Leszek Kotula2, Raymond B. Birge1  
1Department of Biochemistry and Molecular Biology, Graduate School of Biomedical Sciences, Rutgers, The State University of New Jersey, Newark, NJ; 2Department of Biochemistry and Molecular Biology, SUNY Upstate Medical University, New York, NY

(A3) SPECIFIC DELETION OF TRAF3 IN MYELOID CELLS LEADS TO SPONTANEOUS INFLAMMATION AND TUMOR DEVELOPMENT IN MICE  
Almin I. Lalani1,2, Chang Luo1, Herbert C. Morse III3, Ping Xie1,4  
1Department of Cell Biology and Neuroscience and 2Graduate Program in Molecular Biosciences, Rutgers, The State University of New Jersey, Piscataway, NJ; 3Laboratory of Immunopathology, National Institute of Allergy and Infectious Diseases, National Institutes of Health, Rockville, MD; 4Member, Rutgers Cancer Institute of New Jersey, New Brunswick, NJ

(A4) Glutamine Metabolism/deprivation Regulates Transcription-coupled Alternative Splicing of a Subset of Cancer-Associated Genes  
Jia Shi, Michael Seiler, Gyan Bhanot, Kirk Pabon, Barton Kamen, Kathleen W. Scotto  
Rutgers Cancer Institute of New Jersey and Department of Pharmacology, Rutgers Robert Wood Johnson Medical School, New Brunswick, NJ

(A5) NOVEL, ALTERNATIVELY SPLICED ISOFORMS OF THE NOTCH SIGNALING EFFECTOR, RBP-JK/CSL, REGULATE KAPOSI'S SARCOMA-ASSOCIATED HERPESVIRUS REACTIVATION  
Olga D. Gonzalez-Lopez, Eliezer Rovira, Nicolle A. Rosa, Diana Palmeri, David M. Lukac  
Department of Microbiology, Biochemistry and Molecular Genetics, and Graduate School of Biomedical Sciences, Rutgers Biomedical and Health Sciences, Rutgers, The State University of New Jersey, Newark NJ

(A6) ACCELERATING THE EMERGENCE OF CHEMOTHERAPY RESISTANCE AND THE ROLE OF ANCIENT MUTATION COLD SPOTS  
Amy Wu1, Quicen Zhang2, Guillaume Lambert1, Zayar Khin1, Robert A. Gatenby1, Hyungsung Kim1, Nader Pourmand3, Kimberly Bussey4, Paul Davies1, James C. Sturm1, Robert H. Austin7  
1Princeton Institute for the Science and Technology of Materials, Department of Electrical Engineering, Princeton University, Princeton, NJ; 2Department of Physics, University of Illinois at Urbana-Champaign, Urbana, IL; 3Department of Molecular Genetics and Cell Biology, University of Chicago, Chicago, IL; 4Moffitt Cancer Center, Tampa, FL; 5Department of Bioengineering, University of California at Santa Cruz, Santa Cruz, CA; 6Beyond Center for Fundamental Concepts in Science, Arizona State University, Tempe, AZ; 7Department of Physics, Princeton University, Princeton, NJ

(A7) E3 UBIQUITIN LIGASE TRIM32 NEGATIVELY REGULATES TUMOR SUPPRESSOR P53 TO PROMOTE TUMORIGENESIS  
Cen Zhang, Juan Liu, Xiaolong Wang, Phoung Ly, Zhaohui Feng  
Rutgers Cancer Institute of New Jersey, New Brunswick, NJ

(A8) SUPEROXIDE DISMUTASE 1 ACTS AS A NUCLEAR TRANSCRIPTION FACTOR TO REGULATE OXIDATIVE STRESS RESISTANCE  
Chi Kwan Tsang, Yuan Liu, Janice Thomas, Yanjie Zhang, X.F.S. Zheng  
Rutgers Cancer Institute of New Jersey, New Brunswick, NJ
Co-Chairs: Suzie Chen, PhD, Professor, Department of Chemical Biology, Susan Lehman Cullman Laboratory for Cancer Research, Ernest Mario College of Pharmacy, Rutgers, The State University of New Jersey, Piscataway, NJ
Kim M. Hirshfield, MD, PhD, Assistant Professor of Medicine, Division of Medical Oncology, Rutgers Robert Wood Johnson Medical School, Rutgers Cancer Institute of New Jersey, New Brunswick, NJ

(B1) SYNERGISTIC ANTI-TUMOR ACTIVITY OF THE NOTCH GAMMA SECRETASE INHIBITOR BMS-906024 AND PACLITAXEL IN THE TREATMENT OF LUNG ADENOCARCINOMA
Katherine M. Morgan¹, Francis Lee¹, Erin Michaud², Joseph R. Bertino¹, Bruce S. Fischer², Sharon R. Pine¹
¹Rutgers Cancer Institute of New Jersey, New Brunswick, NJ; ²Bristol-Myers Squibb, Princeton, NJ

(B2) IDENTIFICATION OF A NON-GATEKEEPER HOTSPOT FOR DRUG-RESISTANT MUTATIONS IN MTOR KINASE
Xiaowen Wang¹,², Tzung-Ju Wu¹,², Yanjie Zhang¹, Linghua Meng¹, John E. Kerrigan¹, Stephen K. Burley³, X. F. Steven Zheng¹
¹Rutgers Cancer Institute of New Jersey, New Brunswick, NJ; ²The Graduate Program in Molecular and Cellular Pharmacology, Rutgers, The State University of New Jersey, Piscataway, NJ; ³Rutgers Center for Integrated Proteomic Research, Rutgers, The State University of New Jersey, Piscataway, NJ

(B3) RILUZOLE EFFECTIVELY MODULATES CELL CYCLE AND CELL DEATH IN A MOLECULARLY DIVERSE SET OF BREAST CANCER CELL LINES
Sonia C. Dolfi, Daniel J. Medina, Shridar Ganesan, Alexei Vazquez, Kim M. Hirshfield
Rutgers Cancer Institute of New Jersey, New Brunswick, NJ

(B4) REGULATION OF AUTOPHAGY BY THE DRUG RESISTANCE TRANSPORTER ABCG2
Rui Ding, Shengkan Jin, Kathleen W. Scotto
Rutgers Cancer Institute of New Jersey and Rutgers Robert Wood Johnson Medical School, New Brunswick, NJ

(B5) MULTIPLEX QUANTIFICATION OF NOVEL URINARY BIOMARKERS FOR SUBCLINICAL NEPHROTOXICITY IN ONCOLOGY PATIENTS TREATED WITH CISPLATIN
Blessy George¹,², Xia Wen², Lucas Ellison¹, Nickie Johnston¹, Melanie S. Joy³, Lauren M. Aleksunes²
¹Joint Graduate Program in Toxicology and ²Department of Pharmacology & Toxicology, Ernest Mario School of Pharmacy, Rutgers, The State University of New Jersey, Piscataway NJ; ³Department of Pharmaceutical Sciences, University of Colorado, Aurora, CO

(B6) ENHANCEMENT OF CYTARABINE THERAPY OF AML BY A DIFFERENTIATION AGENT COMBINATION
X Wang, M Fang, V Patel, G P Studzinski
Department of Pathology & Laboratory Medicine, Rutgers New Jersey Medical School, Newark, NJ

(B7) INHALATION TREATMENT OF LUNG CANCER: THE INFLUENCE OF COMPOSITION, SIZE AND SHAPE OF NANOCARRIERS ON THEIR LUNG ACCUMULATION AND RETENTION.
O Garbuzenko², G Mainelis³, O Taratula¹, T Minko³,⁴
¹Departments of Pharmaceutics and ³Environmental Sciences, and ⁴Environmental and Occupational Health Sciences Institute, Rutgers, The State University of New Jersey, Piscataway, NJ; ²Rutgers Cancer Institute of New Jersey, New Brunswick, NJ

(B8) RESPONSE OF CANCER CELLS TO GENOMICALLY-GUIDED THERAPY TARGETING RET OR MYC
Martine van Voorthuysen, Bhavna Paratala, Sonia C. Dolfi, Kim M. Hirshfield
Rutgers Cancer Institute of New Jersey, New Brunswick, NJ
Focus Session C - West Lecture Hall

Cancer Prevention and Control
8:00 A.M. – 10:00 A.M.

Co-Chairs: Katie Devine, PhD, MPH, Assistant Professor of Medicine, Division of Medical Oncology, Section of Population Sciences, Rutgers Robert Wood Johnson Medical School, Bob Woodruff Family Department of Veterans Affairs Medical Center, Rutgers Cancer Institute of New Jersey, New Brunswick, NJ  
Nanjoo Suh, PhD, Professor of Chemical Biology, Susan Lehman Cullman Laboratory for Cancer Research, Ernest Mario School of Pharmacy, Rutgers, The State University of New Jersey, Piscataway, NJ

(C1) FACTORS ASSOCIATED WITH CHEMOTHERAPY-RELATED UNPLANNED HOSPITALIZATION AMONG PATIENTS RECEIVING OUTPATIENT THERAPY FOR LUNG AND COLORECTAL CANCER
Kristen Fesselle1,2, Matthew J Hayat1,2, Robert Atkins3
1University of Utah, Salt Lake City, UT; 2Georgia State University, Atlanta, GA; 3Rutgers, The State University of New Jersey, Newark, NJ

(C2) OBESITY, WEIGHT GAIN AND OVARIAN CANCER RISK IN AFRICAN AMERICAN WOMEN
EV Bandera1, B Qin1, A Alberg2, J Barnholtz-Sloan3, M Bondy4, ML Cote5, E Funkhouser6, E Peters7, AG Schwartz8, P Terry9, PG Moorman10, JMSchildkraut10,11
1Rutgers Cancer Institute of New Jersey, New Brunswick, NJ; 2Medical University of South Carolina, Charleston, SC; 3Case Western Reserve University School of Medicine, Cleveland, OH; 4Baylor College of Medicine, Houston, TX; 5Karmanos Cancer Institute, Wayne State University, Detroit, MI; 6University of Alabama at Birmingham, Birmingham, AL; 7School of Public Health, Louisiana State University, New Orleans, LA; 8University of Tennessee-Knoxville, Knoxville, TN; 9Duke Cancer Institute, Durham, NC; 10University of Virginia, Charlottesville, VA

(C3) RACIAL/ETHNIC DIFFERENCES IN RISK OF SUBSEQUENT INVASIVE BREAST CANCER AMONG WOMEN DIAGNOSED WITH INVASIVE BREAST CANCER AND DUCTAL AND LOBULAR BREAST CARCINOMA IN SITU IN NEW JERSEY, 1992-2012
Karen S. Pawlish1, Xiaoling Niu1, Antoinette M. Stroup2
1New Jersey Department of Health, Trenton, NJ; 2Rutgers School of Public Health, Piscataway, NJ and Rutgers Cancer Institute of New Jersey, New Brunswick, NJ

(C4) GASTRIC ADENOCARCINOMA: CLINICOPATHOLOGIC DIFFERENCES AMONG HISPANICS AND NON-HISPANIC WHITES
Narjast Duma, Larysa Jessica Sanchez, Andrew Jennis, Zubin M. Bamboat, Donald A. McCain, Martin Gutierrez
Rutgers New Jersey Medical School, Newark, NJ; John Theurer Cancer Center, and Department of Surgery, Hackensack University Medical Center, Hackensack, NJ

(C5) IDENTIFICATION OF SLUG-TARGETING DEUBIQUITINASES IN BREAST CANCER
Wenyang Li, Hanqiu Zheng, Minhong Shen, Chase Hulderman, Christina Su, Yong Wei, Yibin Kang
Department of Molecular Biology, Princeton University, Princeton, NJ

(C6) MESENCHYMYAL STEM CELLS PRIMED WITH BREAST CANCER CELLS RELEASE EXOSOMES THAT CONFER A DORMANT PHENOTYPE: COMBINED RNA THERAPUTICS AND CHEMOTHERAPY
Sarah A. Blisi1,2, Garima Sinha1,2, Oleta A. Sandford1, Lisa Williams1,2, Daniel J. Engelberth1,2, Khadidiatou Guiro1, Lauren Sherman1,2, Leidy L. Isenalmuhe1, Steven J. Greco1, Margarette Bryan1, Nicholas M. Ponzio1, Pranela Rameshwar1,2,3
1Hematology/Oncology, Department of Medicine, Rutgers New Jersey Medical School and 2Graduate School of Biomedical Sciences, Rutgers School of Biomedical Health Sciences, Newark, NJ; 3Children's Hospital of Los Angeles, Los Angeles, CA; 4Department of Laboratory Medicine and Pathology, Rutgers New Jersey Medical School, Newark, NJ

(C7) PHIP/DSS-INDUCED COLON CARCINOGENESIS IN CYP1A-HUMANIZED MICE AND THE ROLE OF LGR5 STEM CELLS
Jayson X. Chen1,2, Hong Wang3, Anna Liu4, Lanjing Zhang1, Ken Reuhl5, Chung S. Yang1,2
1Department of Chemical Biology, Ernest Mario School of Pharmacy and 2Joint Graduate Program in Toxicology, Rutgers, The State University of New Jersey, Piscataway, NJ; 3Department of Gastrointestinal and Liver Pathology, University Medical Center of Princeton, Plainsboro, NJ

(C8) TRANSCRIPTOMIC PROFILE ANALYSIS OF PANC-1 CELLS IN RESPONSE TO METFORMIN AND ASPIRIN: AN IMPLICATION OF SYNERGY
Wen Yue1, Tao Wang2, Emmanuel Zachariah3, Yong Lin4, 1, Chung S. Yang1,4, Qing Xu1, Robert S. DiPaola1, Xiang-Lin Tan1,2,6
1Rutgers Cancer Institute of New Jersey, New Brunswick, NJ; 2Department of Epidemiology & Population Health, Albert Einstein College of Medicine, Bronx, NY; 3Department of Biostatistics, Rutgers School of Public Health, Piscataway, NJ; 4Department of Chemical Biology, Ernest Mario School of Pharmacy, Rutgers, The State University of New Jersey, Piscataway, NJ; 5Department of Oncology, Shanghai Tenth People's Hospital, School of Medicine, Shanghai, Tongji University, China; 6Department of Epidemiology, Rutgers School of Public Health, Piscataway, NJ
# Immunotherapy for Cancer

**10:00 A.M. – 11:30 A.M.**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Presenter(s)</th>
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<tbody>
<tr>
<td>10:00 A.M. – 10:15 A.M.</td>
<td>Welcome &amp; Introduction</td>
<td>Edmund C. Lattime, PhD</td>
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<td>10:15 A.M. – 11:00 A.M.</td>
<td>Expert Perspectives</td>
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<td>Taking Advantage of the Immune System to Fight Cancer</td>
<td>Janice Mehnert, MD</td>
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<td>Understanding Side-Effects of Immunotherapy</td>
<td>Doris Pindilli, APN</td>
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<td></td>
<td>Identifying Patients for Immunotherapy: Challenges and Considerations</td>
<td>Eric Singer, MD, MA</td>
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<td>11:00 A.M. – 11:30 A.M.</td>
<td>Question and Answer Session</td>
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**Program Sponsor:**

*Rutgers Cancer Institute of New Jersey*
Focus Session D - Main Lecture Hall

Cancer Biology Discovery & Translation Symposium
1:00 p.m. – 4:15 p.m.

Genome Instability and Cancer Genetics

Co-Chairs: Zhiyuan Shen, MD, PhD, Professor of Radiation Oncology, Pharmacology, Chief, Division of Radiation Biology, Division of Radiation Oncology, Rutgers Robert Wood Johnson Medical School, Co-Leader, Program of Genomic Instability and Tumor Progression, Rutgers Cancer Institute of New Jersey, New Brunswick, NJ

Bing Xia, PhD, Associate Professor of Radiation Oncology, Rutgers Cancer Institute of New Jersey, New Brunswick, NJ

1:00 p.m. – 2:00 p.m.  Plenary Presentations

LIF, Friend or Foe
Wenwei Hu, PhD
Assistant Professor of Radiation Oncology
Division of Radiation Cancer Biology
Rutgers Robert Wood Johnson Medical School
Rutgers Cancer Institute of New Jersey

Spontaneously Activated Telomerase Reverses the Tumor Suppressing Functions of Oncogene-Induced Senescence
Utz Herbig, PhD
Assistant Professor of Microbiology and Molecular Genetics
Rutgers New Jersey Medical School

2:00 p.m. – 2:30 p.m.

(D1) BLM AND EXO1 ACT TOGETHER TO PROMOTE NORMAL DNA DOUBLE-STRAND BREAK REPAIR AND CELL CYCLE CHECKPOINTS
Sarah M. Misenko, Dharm S. Patel, Samuel E. Bunting
Department of Molecular Biology and Biochemistry, Rutgers, The State University of New Jersey, Piscataway, NJ

(D2) NEGATIVE REGULATION OF SOX9 BY GLYCOGEN SYNTHASE KINASE 3 BETA PHOSPHORYLATION AND SCFFBW7-DEPENDENT UBQUITINATION IN CANCER
Wenyu Liu1*, Xuehui Hong1,2, Ruipeng Song1,2, Hiroyuki Inuzuka1, LianXin Liu2, Sharaor R. Pine3,4
1Rutgers Cancer Institute of New Jersey; New Brunswick, NJ; 2Department of Surgery. The First Affiliated Hospital of Harbin Medical University, Harbin, China; 3Department of Pathology, Beth Israel Deaconess Medical Center, Harvard University, Boston, MA; 4Department of Medicine, Rutgers Robert Wood Johnson Medical School, New Brunswick, NJ; *co-first author

2:30 p.m. – 2:45 p.m.  Break

Cancer Metabolism and Growth

Chair: Eileen White, PhD, Professor, Molecular Biology and Biochemistry, Rutgers Robert Wood Johnson Medical School, Associate Director for Basic Science, Rutgers Cancer Institute of New Jersey, New Brunswick, NJ

2:45 p.m. – 3:45 p.m.  Plenary Presentations

Cell Stress Response in Oncogenesis and Chemotherapy
Wei-Xing Zong
Professor of Chemical Biology
Ernest Mario School of Pharmacy
Rutgers, The State University of New Jersey

Coordinating Cell Polarity and Mitosis in a Regenerative Epithelium
Danelle Davenport, PhD
Assistant Professor of Molecular Biology
Princeton University

3:45 p.m. – 4:15 p.m.

(D3) MYC INDUCES EXPRESSION OF GLUTAMINE SYNTHETASE THROUGH THYMINE DNA GLYCOSYLASE-MEDIATED PROMOTER DEMETHYLATION
Alex J. Bott1,2, J-Chen Peng1, Yongjun Fan1, Brandon Faubert1, Lu Zhao1, JinYu Li1, Sarah Neidler1, Yu Sun1,2, Nadia Jabeh1, Dawid Krokowski1, Wenyun Lu1, Joshua Rabinowitz1, Maria Hatzoglou1, Scott Powers1,2, Daniel J. Murphy1, Russell Jones1, Song Wu1, Geoffroy Girrulin1, Wei-Xing Zong1,2,3
1Departments of Molecular Genetics and Microbiology; 2Applied Mathematics; and 3Pathology, Stony Brook University, Stony Brook, NY; 4Department of Physiology, McGill University, Montreal, Quebec, Canada; 5Institute of Cancer Sciences, University of Glasgow, and the CRUK Beatson Institute, Glasgow, UK; 6Department of Nutrition, Case Western Reserve University, Cleveland, OH; 7Chemistry and Integrative Genomics, Rutgers Cancer Institute of New Jersey, New Brunswick, NJ and Princeton University, Princeton, NJ

(D4) GLUTAMINE METABOLISM AND NUCLEOTIDE SALVAGE
Jessie Yanxiang Guo1,2, Xin Teng1, Sinan Khor1, Gizem Karali-Uzunbas1, Yang Yang1, Ling Liu1, Joshua D. Rabinowitz1,2,3, Eileen White1,2
1Rutgers Cancer Institute of New Jersey; New Brunswick, NJ; 2Department of Molecular Biology and Biochemistry, Rutgers, The State University of New Jersey, Piscataway, NJ; 3Department of Chemistry, Princeton University, Princeton, NJ
Co-Chairs: Sharon Manne, PhD, Chief, Section of Population Studies, Professor, Department of Medicine, Rutgers Robert Wood Johnson Medical School, Rutgers Cancer Institute of New Jersey, New Brunswick, NJ
Cristine Delnevo, PhD, MPH, Co-Leader, Cancer Prevention and Control Research Program; Director of Center for Tobacco Surveillance & Evaluation Research, Professor and Chair of Health Education and Behavioral Science, Rutgers School of Public Health, Piscataway, NJ

1:00 p.m. – 2:00 p.m.  Plenary Presentations

**Obesity and Breast Cancer Subtypes in African American Women**
Elisa Bandera, PhD, MPH
Associate Professor of Epidemiology
Rutgers School of Public Health
Rutgers Cancer Institute of New Jersey

**Patient Factors Contribute to Racial Disparities in Breast Cancer Treatment**
Kitaw Demissie, MD, PhD
Professor and Chair, Department of Epidemiology
Rutgers School of Public Health
Director, Institute for the Elimination of Health Disparities
Rutgers, The State University of New Jersey

**Associations Between Sociodemographic and Clinicopathological Factors, and Breast Cancer Subtypes in a Population-based Study**
Adana Llanos, PhD, MPH
Assistant Professor
Rutgers School of Public Health

2:00 p.m. – 2:30 p.m.

(E1) PROJECT SOL: SUN-SAFETY FOR OUTDOOR LABORERS
Elliot J. Coups1,2, Carolina Lozada1, Jerod Stapleton1,3, Michele Ochsner1, Daniel Giovenco4, Louis Kimmel5, Germania Hernandez5, Shawna V. Hudson2, Denalee O’Malley2
1Rutgers Cancer Institute of New Jersey, New Brunswick, NJ; 2Rutgers Robert Wood Johnson Medical School, Piscataway, NJ; 3Rutgers School of Management and Labor Relations, New Brunswick, NJ; 4Rutgers School of Public Health, Piscataway, NJ; 5New Labor, New Brunswick, NJ

(E2) DEVELOPMENT OF A MOBILE APPLICATION (APP) TO PROMOTE PHYSICAL ACTIVITY AMONG ADOLESCENT AND YOUNG ADULT CANCER SURVIVORS
Amber L. Turner1, Sharon L. Manne1, Shawn M. Arent2, Olle Jane Z. Sahler3, Margaret Masterson1, Susan Stephens1, Dawn M. Carey1, Sherry Pagoto4, Katie A. Devine1
1Rutgers Cancer Institute of New Jersey, New Brunswick, NJ; 2Rutgers, The State University of New Jersey, Piscataway, NJ; 3University of Rochester Medical Center, Rochester, NY; 4University of Massachusetts Medical School, Worcester, MA
**Program Schedule**

**Focus Session F - West Lecture Hall**

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**Cancer Therapeutics Symposium**

1:00 P.M. – 4:15 P.M.

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**Cancer Pharmacology and Preclinical Therapeutics**

**Co-Chairs:**
- Shridar Ganesan, MD, Associate Professor of Medicine and Pharmacology, Rutgers Robert Wood Johnson Medical School, Associate Director for Translational Science, Rutgers Cancer Institute of New Jersey, New Brunswick, NJ
- Howard Kaufman, MD, FACS, Professor and Chief, Division of Surgical Oncology Rutgers Robert Wood Johnson Medical School, Associate Director for Clinical Sciences Rutgers Cancer Institute of New Jersey, New Brunswick, NJ

1:00 P.M. – 2:00 P.M.  \[\text{Plenary Presentations}\]

**Acquired Resistance and Exceptional Responders: Insights into Tumor Biology from Targeted Genomic Sequencing**

Shridar Ganesan, MD
Associate Professor of Medicine and Pharmacology
Rutgers Robert Wood Johnson Medical School
Rutgers Cancer Institute of New Jersey

**Precision Medicine: Bridging the Gap Between Clinical Genomics and Targeted Therapy**

Kim M. Hirshfield, MD, PhD
Assistant Professor of Medicine
Rutgers Robert Wood Johnson Medical School
Rutgers Cancer Institute of New Jersey

2:00 P.M. – 2:30 P.M.

(F1) **ARSENIC TRIOXIDE AS TARGETED THERAPY FOR CANCERS HARBORING TRIM33 - FUSION PROTEINS**

Atul Kulkarni, Jermy Tang, Shridar Ganesan
Rutgers Cancer Institute of New Jersey, New Brunswick, NJ

(F2) **RANDOMIZED PROBIOTIC ENTERIC REGIMEN FOR EASING THE COMPLICATIONS OF TRANSPLANT**

Elan Gorshein, Catherine Wei, Asit K. De, Angelika Shenkerman, Roger Strair
Rutgers Cancer Institute of New Jersey, New Brunswick, NJ

2:30 P.M. – 2:45 P.M.  \[\text{Break}\]

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**Cancer Pharmacology Research**

**Co-Chairs:**
- Joseph R. Bertino, MD, Professor of Medicine & Pharmacology, Rutgers Robert Wood Johnson Medical School, Chief Scientific Officer, Rutgers Cancer Institute of New Jersey, New Brunswick, NJ
- X. F. Steven Zheng, PhD, Professor of Pharmacology, Rutgers Robert Wood Johnson Medical School, Division Chief of Cancer Pharmacology, Rutgers Cancer Institute of New Jersey, New Brunswick, NJ

2:45 P.M. – 3:45 P.M.  \[\text{Plenary Presentations}\]

**Glutamatergic Signaling and Human Cancers**

Suzie Chen, PhD
Professor of Chemical Biology
Ernest Mario School of Pharmacy
Rutgers, The State University of New Jersey

**Development of New Drugs That Sensitize Cancer Cells and Protect Normal Tissues In Chemotherapy**

Alexey G. Ryazanov, PhD
Professor of Pharmacology
Rutgers Robert Wood Johnson Medical School

3:45 P.M. – 4:15 P.M.

(F3) **RILUZOLE PRODRUGS FOR MELANOMA: IN VITRO AND IN VIVO METABOLIC PROFILING**

Raj Shah1, Jeff Pelletier1, Allen Reitz2, Jed Wrobel1, Suzie Chen1,2
1Susan Lehman Callman Laboratory for Cancer Research, Department of Chemical Biology, Ernest Mario School of Pharmacy, Rutgers, The State University of New Jersey, Piscataway, NJ; 2Rutgers Cancer Institute of New Jersey, New Brunswick, NJ; Fox Chase Chemical Diversity Center, Inc., Doylestown, PA

(F4) **ONCOGENIC MICRORNA-9 REGULATION OF GLIOBLASTOMA CHEMORESISTANCE: A TARGET FOR EXOSOMAL RNA TARGETED THERAPY**

Jessel L. Munoz1,2, Steven J Greco2, Shakti H Ramkissoon3,4, Keith L Ligon3,4, Pranela Rameshwar2
1Rutgers Graduate School of Biomedical Science, Newark, NJ; 2Rutgers New Jersey Medical School, Newark, NJ; 3Department of Pathology, Brigham and Women’s Hospital, Boston Children’s Hospital, Boston, MA; 4Harvard Medical School, Department of Medical Oncology, Dana-Farber Cancer Institute, Boston, MA