PASPCR 2019 AGENDA

WEDNESDAY, OCTOBER 2

8:00am  Shuttle from hotels to JAX

8:15am – 8:45am  Coffee/tea

8:45am – 9:00am  Remarks from PASPCR President Tom Hornyak

9:00am – 10:35am  PLENARY SESSION 1: MELANIN PHOTOBIOLOGY AND PHOTOCHEMISTRY

Invited Speaker: Yu-Ying He, University of Chicago
Zalfa Abdel-Malek, University of Cincinnati
From bench to bedside: Unique MC1R selective small peptide analogs of a-MSH for skin cancer prevention and treatment of vitiligo and photosensitivity disorders
Soumyadeep Sarkar, Washington State University
Circadian clock protein BMAL1 regulates melanin levels through MITF
Manickam Sugumaran, University of Massachusetts, Boston
Multifaceted melanin biosynthesis in insects is distinctly different from that of mammalian melanogenesis
Dawn Watkins-Chow, National Human Genome Research Institute, NIH
A comparative analysis of pheomelanin-specific mouse mutants
Jonathan Zippin, Weill Cornell Medical College
Investigation of the interplay between melanosome pH and pigmentation in MC1R-deficient melanocytes.

10:35am – 11:00am  Break

11:00am – 12:35am  PLENARY SESSION 2: MELANOMA SIGNALING

Invited Speaker: Richard White, Memorial Sloan Kettering Cancer Center
Miriam Doepner, University of Pennsylvania
Influence of melanocyte differentiation state on melanoma susceptibility
John D’Orazio, University of Kentucky
Exploitation of the cAMP-enhanced DNA repair pathway as a potential melanoma-targeted strategy
Mayumi Fujita, University of Colorado
Downregulation of ALDH2 increases MAPK activation and enhances resistance to MAPK inhibitors in human melanoma cells
Jason Lui, Boston University School of Medicine
Transcriptional co-activator YAP1, but not TAZ, enhances melanoma
metastatic potential through regulation of ARP2/3 complex subunit ARPC5

Ranjan Perera, Johns Hopkins All Children’s Hospital
MicroRNA-211 promotes aggressive melanoma tumor growth in vivo and contributes to BRAFV600E inhibitor resistance via the DUSP6-ERK5 axis

12:35pm – 2:00pm
Buffet Lunch (concurrent PASPCR Council meeting)

2:00pm – 3:10pm
SPOTLIGHT SESSION
Rachel Belote, Huntsman Cancer Institute
Anatomic specific epidermal melanocyte subpopulations are defined early in human skin development

Lee Huang, Boston University School of Medicine
Inhibition of PAX3-ETS transcription factor interaction reduces MET expression in melanoma

Rolando Ruiz, University of California, Irvine
Does “Oncogene Induced Senescence” explain nevus growth control?

Raj Shah, Rutgers University
Concurrent targeting of glutaminolysis and metabotropic glutamate receptor 1 (GRM1) reduces glutamate bioavailability in GRM1+ melanoma

Michele Waters, New York University School of Medicine
Melanoma chemoresistance to vemurafenib is mediated by adaptive integrated stress response

Takeshi Yamauchi, University of Colorado
The role of ethanol and ALDH2 in activating melanocytes

Dalee Zhou, Weill Cornell Medical College
Melanin synthesis is influenced by microenvironmental and metabolic changes in bicarbonate/CO2

3:10pm – 3:30pm
Break

3:30pm – 4:30pm
KEYNOTE ADDRESS:
Ian Jackson, University of Edinburgh

4:30pm – 6:00pm
Mentorship Mixer (location TDB)

6:00pm
Shuttle to hotels, dinner on your own

THURSDAY, OCTOBER 3

8:00am
Shuttle from hotels to JAX

8:15am – 9:00am
Coffee/tea
PLENARY SESSION 3:
PIGMENT CELL DEVELOPMENT, DIFFERENTIATION & FUNCTION

*Invited Speaker:* Mayumi Ito, New York University School of Medicine

Pamela Cassidy, Oregon Health and Science University
The selenoprotein thioredoxin reductase 1 controls melanin synthesis via redox modification(s) to Mitf

Ivana de la Serna, University of Toledo
Bromodomain and extraterminal proteins in melanocyte differentiation

William Frantz, University of Massachusetts Medical School
Cell-cell signaling in zebrafish melanocyte regeneration

Melissa Harris, University of Alabama, Birmingham
Restoring melanocyte stem cells: A model of drug-mediated regeneration

Lionel Larue, Institut Curie
The loss of dicer affects migration and homing of melanocytes and induces hair greying

10:35am – 11:00am
Break

PLENARY SESSION 4:
GENETICS AND GENOMICS OF MELANOCYTES AND MELANOMA

*Invited Speaker:* Mikhail Nikiforov, Wake Forest University

Revati Darp, University of Massachusetts Medical School
Investigating the role of tetraploid intermediates in melanoma progression

Stacie Loftus, National Human Genome Research Institute, NIH
Defining the Spectrum of Mutations for Oculocutaneous Albinism

Helen Michael, National Cancer Institute, NIH
Event sequence of BRAF mutation and UV exposure is not a substantial factor in melanomagenesis in a mouse model of cutaneous melanoma

Eirikur Steingrimsson, University of Iceland
MITF regulates the expression of extracellular matrix and focal adhesion genes

Catherine Van Raamsdonk, University of British Columbia
Evolution of Endothelin independence in GNAQ driven melanoma

12:35pm – 2:00pm
Buffet Lunch
PASPCR General Membership Meeting (in parallel)

2:00pm – 4:00pm
Poster Session

4:00pm
Shuttle to hotels, time on your own

5:30pm
Shuttle from hotels to Gala Dinner

6:00pm – 7:00pm
Welcome Reception at the Stone House
FRIDAY, OCTOBER 4

8:00am
Shuttle from hotels to JAX

8:15am – 9:00am
Coffee/tea

9:00am – 10:50am
PLENARY SESSION 5:
VITILIGO AND PIGMENTARY DISORDERS

*Invited Speaker:* John Harris, University of Massachusetts Medical School
Stanca Birlea, University of Colorado
Characterizing the Dysregulated Cellular and Molecular Pathways in Vitiligo Lesions that Do Not Respond to Phototherapy

Gisela Erf, University of Arkansas
Melanocyte-specific Th1-like initiating- and recall-responses in growing feathers of Smyth chickens with autoimmune vitiligo

Michael Frisoli, University of Massachusetts Medical School
BatF3-dependent dendritic cells are required for depigmentation in a mouse model of vitiligo

Caroline Le Poole, Northwestern University
Adoptive transfer of antigen-specific Tregs controls depigmentation in vitiligo-prone mice

Jessica Shiu, University of California, Irvine
Imaging and single cell transcriptomics reveal keratinocyte metabolic changes that may drive disease persistence in vitiligo skin

10:50am – 11:15am
Break

11:15am – 1:05pm
PLENARY SESSION 6:
MELANOMA THERAPEUTICS

*Invited Speaker:* Christin Burd, Ph.D., Ohio State University

Jessica Flesher, University of California, Irvine
Structure-based design of CDC42/RHOJ effector inhibitors for the treatment of cancer

Fabian Filipp, Helmholtz Zentrum München
Targeting glutamate signaling in melanoma

Arup Indra, Oregon State University
A Mitochondrial Complex I Inhibitor drives metabolic reprogramming and sensitizes vemurafenib resistant BRAFV600E mutation bearing metastatic melanoma cells

Dinesh Jaishankar, Northwestern University
HSP70iQ435A to subdue autoimmunity and support anti-tumor responses
Sandeep Joshi, University of Maryland School of Medicine
Hsp90 inhibition induces melanoma tumor antigens and enhances cellular immunotherapy against melanoma

Di Qu, Amway Research and Development
Improving consistency of MED detection using objective method as the first step to improving the accuracy of SPF determination: A quantitative study

1:05pm Closing remarks