WEDNESDAY, OCTOBER 2

7:45am  Shuttle pickup at Bar Harbor Regency Inn & Atlantic Oceanside Hotel
8:00am  Shuttle pickup at Harborside Hotel & Quality Inn

8:15am – 8:45am  Shuttle arrival at JAX
Light breakfast, 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
Dawn Watkins-Chow, National Human Genome Research Institute, NIH
A comparative analysis of pheomelanin-specific mouse mutants
Manickam Sugumaran, University of Massachusetts, Boston
Multifaceted melanin biosynthesis in insects is distinctly different from that of mammalian melanogenesis
Soumyadeep Sarkar, Washington State University
Circadian clock protein BMAL1 regulates melanin levels through MITF
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
Mayumi Fujita, University of Colorado
Downregulation of ALDH2 increases MAPK activation and enhances resistance to MAPK inhibitors in human melanoma cells
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
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 in )

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 (JAX)
4:30pm Shuttle to hotels for those not attending Mentorship Mixer, dinner on your own

6:00pm Shuttle to hotels for Mentorship Mixer attendees, dinner on your own

THURSDAY, OCTOBER 3
7:45am Shuttle pickup at Bar Harbor Regency Inn & Atlantic Oceanside Hotel
8:00am Shuttle pickup at Harborside Hotel & Quality Inn

8:15am – 9:00am Shuttle arrival at JAX
Light breakfast, coffee/tea

9:00am – 10:35am 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

11:00am – 12:35am PLENARY SESSION 4:
GENETICS AND GENOMICS OF MELANOCYTES AND MELANOMA

Invited Speaker: Mikhail Nikiforov, Wake Forest University
Stacie Loftus, National Human Genome Research Institute, NIH
Defining the Spectrum of Mutations for Oculocutaneous Albinism
Revati Darp, University of Massachusetts Medical School
Investigating the role of tetraploid intermediates in melanoma progression
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

1:00pm – 2:00pm PASPCR General Membership Meeting (lunch may be brought into the JAX Auditorium)
2:00pm – 4:00pm  Poster Session
4:00pm     Shuttle to hotels, time on your own
5:30pm     Shuttle pickup at Harborside Hotel
5:45pm     Shuttle pickup at Quality Inn
6:00pm     Shuttle pickup at Atlantic Oceanside Hotel
6:00pm – 7:00pm  Welcome Reception at the Stone House
7:00pm – 9:30pm  Gala Dinner / Banquet at the Stone House

FRIDAY, OCTOBER 4

7:45am     Shuttle pickup at Bar Harbor Regency Inn & Atlantic Oceanside Hotel
8:00am     Shuttle pickup at Harborside Hotel & Quality Inn
8:15am – 9:00am  Shuttle arrival at JAX
Light breakfast, 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
Jessica Shiu, University of California, Irvine
Imaging and single cell transcriptomics reveal keratinocyte metabolic changes that may drive disease persistence in vitiligo skin
Caroline Le Poole, Northwestern University
Adoptive transfer of antigen-specific Tregs controls depigmentation in vitiligo-prone mice
Michael Frisoli, University of Massachusetts Medical School
BatF3-dependent dendritic cells are required for depigmentation in a mouse model of vitiligo
10:50am – 11:15am  Break
11:15am – 1:05pm  PLENARY SESSION 6: MELANOMA PREVENTION AND THERAPEUTICS
Invited Speaker: Christin Burd, Ph.D., Ohio State University
Arup Indra, Oregon State University
A Mitochondrial Complex I Inhibitor drives metabolic reprogramming and sensitizes vemurafenib resistant BRAFV600E mutation bearing metastatic melanoma cells

Sandeep Joshi, University of Maryland School of Medicine
Hsp90 inhibition induces melanoma tumor antigens and enhances cellular immunotherapy against melanoma

Fabian Filipp, Helmholtz Zentrum München
Targeting glutamate signaling in melanoma

Dinesh Jaishankar, Northwestern University
HSP70iQ435A to subdue autoimmunity and support anti-tumor responses

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

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

1:05pm Closing remarks