### Reach for the Stars
**Wednesday, March 8**

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<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>7:30am-5:00pm</td>
<td>Grant Review Committee Meeting (by invitation)</td>
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<td>12:00-5:30pm</td>
<td><strong>Melanoma Patients, Advocates &amp; Foundations Forum</strong></td>
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<td><strong>Chair: Cody Barnett</strong> MRA Senior Director of Communications &amp; Patient Engagement</td>
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<tr>
<td>4:00-8:00pm</td>
<td>Retreat Registration open</td>
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<tr>
<td>5:30-6:00pm</td>
<td>Sponsor Toast/Reception</td>
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<td>6:00-7:30pm</td>
<td>Opening Reception</td>
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<td>7:00-9:30pm</td>
<td>Friends of MRA Dinner [GRC and invited guests only]</td>
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### Thursday, March 9

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<th>Time</th>
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<tr>
<td>6:30am-6:00pm</td>
<td>Registration</td>
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<tr>
<td>7:30-8:45am</td>
<td>General Breakfast</td>
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<td>7:30-8:45am</td>
<td>Young Investigators Breakfast (by invitation): Mentorship and Lab Personnel Management</td>
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<tr>
<td></td>
<td><strong>Andrew Aplin</strong> Thomas Jefferson University</td>
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<td><strong>Marcus Bosenberg</strong> Yale University</td>
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<td><strong>Elizabeth Patton</strong> University of Edinburgh</td>
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<td><strong>Ashi Weeraratna</strong> Johns Hopkins University</td>
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<td>9:00-9:15am</td>
<td><strong>Opening Remarks Day 1</strong></td>
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<td><strong>Marc Hurlbert</strong> MRA Chief Executive Officer</td>
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<td><strong>Jamie Goldfarb</strong> Patient Advocate</td>
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<td><strong>Ken Billett</strong> Patient Advocate</td>
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<td><strong>Joan Levy</strong> MRA Chief Science Officer</td>
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<td>9:15-9:45am</td>
<td><strong>Keynote Lecture 1: Georgina Long</strong> Melanoma Institute Australia</td>
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<td><em>Zero deaths from melanoma – Progress to date, prospects for the future, systemic therapy and beyond</em></td>
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<td>9:45-11:55am</td>
<td><strong>Scientific Session 1: Artificial Intelligence and Imaging in Melanoma Detection, Prediction and Prognosis</strong></td>
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<td><strong>Chair: Maria Wei</strong> University of California, San Francisco</td>
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9:45-10:10am  Albert Chiou  Stanford University  
*AI-Augmented melanoma triage and diagnosis: interim update on this prospective multi-site study*

10:10-10:30am  Jesse Wilson  Colorado State University  
*Image translation networks for noninvasive biopsy and dermoscopy screening*

10:30-11:00am  Break

11:00-11:25am  Maria Wei  University of California, San Francisco  
*Social determinants of melanoma outcomes and AI*

11:25-11:50am  Pratip Bhattacharya  University of Texas M.D. Anderson Cancer Center  
*Hyperpolarized MRI to interrogate pH in immunotherapy resistant and responding melanoma models in vivo*

11:50am-12:00pm  Transition to lunch

12:00pm-1:20pm  Networking Lunch and General Roundtables  
- Acral + Mucosal Melanoma Patient Registry  
- Biomarkers – ‘liquid biopsy’, ctDNA, tumor biomarkers  
- Brain metastasis and leptomeningeal disease  
- Clinical trials – patient recruitment and engagement, trial design  
- Dermatology fellows  
- Diversity – Women & Underrepresented groups in melanoma research and care  
- Early Detection & Diagnosis (AI, imaging, machine learning)  
- Genomics – Role of genetics, genomics & epigenetics  
- irAE – understanding immune-related adverse events  
- Mentoring/mentorship  
- Metastasis and tumor dormancy  
- Microbiome  
- Neoadjuvant and adjuvant therapy  
- Prevention (primary prevention)  
- Starting a company/venture philanthropy  
- Targets & drug discovery for new treatments  
- Tumor microenvironment  
- Uveal melanoma  
- Vaccines and cell-based therapies

1:30-3:00pm  Scientific Session 2: Novel Strategies to Understand Therapeutic Resistance  
Chair: Tanisha Jackson  MRA Scientific Program Director  

1:30-1:55pm  Michael Postow  Memorial Sloan Kettering Cancer Center  
*CD8+ cell imaging during Neoadjvant Immunotherapy (The C-IT Neo Trial)*
1:55-2:15pm  Lixin Wan  Moffitt Cancer Center and Research Institute  
*An atypical way to sustain wild-type BRAF signaling in melanoma*  

2:15-2:35pm  Gatien Moriceau  University of California, Los Angeles  
*PDXs to discover targets and to model therapeutics*  

2:35-2:55pm  Matthew Vesely  Yale University  
*Colocalization of VISTA and CD11b myeloid cells is associated with poor outcomes in melanoma*  

2:55-3:25pm  Break  

3:25-4:25pm  Scientific Session 3: Rare Melanomas  
Chair: Joan Levy  MRA Chief Science Officer  

3:25-3:45pm  C. Daniela Robles-Espinosa  National Autonomous University of Mexico  
*Genomic analysis of acral melanoma in Latin American patients*  

3:45-4:05pm  Rolando Perez-Lorenzo  Columbia University  
*CK2 inhibition in Acral Melanoma*  

4:05-4:25pm  J. Silvio Gutkind  University of California, San Diego  
*Targeting Signaling Vulnerabilities in Uveal and Cutaneous Melanoma: New Multimodal Precision Therapies*  

4:25-5:10pm  Scientific Session 4: Highlighting MRA Young Investigator Awardees  
Chair: Rachel Fischer  MRA Associate Director, Scientific Program & Registry  

4:25-4:35pm  Zachary Buchwald  Emory University  
*Immune niches containing stem-like T cell in brain metastases control disease and are modulated by SRS*  

4:35-4:45pm  Tobias Bald  University Hospital Bonn  
*Loss of CD226 in T cells drives resistance to melanoma immunotherapy*  

4:45-4:55pm  Jeremy Logue  Albany Medical College  
*Piezo1 conspires with INF2 to promote confined migration in invasive melanoma cells*  

4:55-5:05pm  Haizhen (Jen) Wang  Medical University of South Carolina  
*Targeting PTPs for CDK6 induced immunotherapy resistance in melanoma*  

5:05-5:10pm  Closing Remarks Day 1: Tanisha Jackson  MRA Scientific Program Director
MRA 2023 Scientific Retreat Agenda
March 8 – March 11, 2023, Washington, DC

Friday, March 10

6:30-10:00am Registration open

7:00-8:50am Breakfast and Poster Session II: Young Investigator and Pilot Awardees

7:30-9:00am Industry Roundtable Breakfast (by invitation only)

9:00-9:05am Opening Remarks Day 2: Rachel Fischer MRA Associate Director, Scientific Program & Registry

9:05-9:35am Keynote Lecture 2: Sohail Tavazoie The Rockefeller University
A hereditary basis for melanoma metastasis and its experimental and clinical therapeutic implications

9:35-11:30am Scientific Session 5: Discovery Research to Identify New Melanoma Therapies
Chair: Genevieve Boland Massachusetts General Hospital

9:35-9:55am Neta Erez Tel Aviv University
Systemic instigation of neuroinflammation by LCN2 facilitates brain metastasis

9:55-10:15am Alfonso Bellacosa The Research Institute of Fox Chase Cancer Center
Enhancing immunotherapy with novel epigenetic modulators that induce a proinflammatory response

10:15-10:40am Break

10:40-11:05am Jamie Spangler Johns Hopkins University
Tumor-targeted cytokine/antibody fusion proteins to treat melanoma

11:05-11:30am Sarah Slavoff Yale University
Getting a handle on undruggable proteins in melanoma with bicycles
MRA 2023 Scientific Retreat
March 8 – March 11, 2023, Washington, DC

11:30am-12:30pm  Panel Discussion: Translation of New Therapeutics and Diagnostics from the Lab to the Clinic
Moderator: Louise Perkins MRA CSO Emerita

Panelists: Elizabeth Ottinger National Center for Advancing Translational Sciences
Antoni Ribas University of California, Los Angeles
Caroline Robert Institute Gustave Roussy
Kai Wucherpfennig Dana Farber Cancer Institute

12:30-12:45pm  Closing Remarks: Stephanie Kauffman MRA President and Chief Operating Officer

12:45-1:45pm  Lunch and Departures

12:45-6:30pm  Lunch and MRA & Seerave Foundation Melanoma & the Microbiome Workshop (by invitation only)

6:30-9:30pm  MRA & Seerave Foundation Melanoma & the Microbiome Workshop - Dinner

Saturday, March 11

8:30am-1:30pm  MRA & Seerave Foundation Melanoma & the Microbiome Workshop (by invitation only)