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**From:** Melanoma Research Alliance <[REDACTED]>  
**Sent:** Thursday, March 21, 2019 11:08 AM  
**To:** Jeffrey Epstein  
**Subject:** A Better Biopsy, Jacqueline's Journey, Novel Imaging, & The Curious Similarities Between the Tobacco and Tanning Industries

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#### MRA NEWS

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This Engineer is Building a Better =iopsy

Biopsies are an important tool to =etermine if a mole or other lesion is cancerous. For most patients, the =ccasional biopsy is no big deal. However for patients facing multiple =bnormal or otherwise 'suspicious' spots in highly visible =laces the prospect can be daunting. Dr. Jesse Wilson, an MRA-funded =nvestigator, is an engineer on a mission to build a better biopsy.

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How Jacqueline's Persistence Paid =ff

Melanoma wasn't supposed to happen to =acqueline. Melanoma was supposed to be a disease that older, white women =ot, not 21-year-old African Americans. "People often think having more =elanin makes them from developing melanoma. But they're =rong," Jacqueline says.

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Is It Working? Imaging the Immune =esponse

Traditional imaging – such as =RIs or CAT scans – provide insight into the effectiveness of =mmunotherapy by measuring tumor size. While this works, some patients may =ake months to respond to immunotherapy and in other cases, tumors may =ppear to actually grow on these scans, falsely indicating =rogression.

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## Bronze Bodies and Black Lungs

Dr. Alan Blum has crusaded against the tobacco industry for 30 years and now, he's taking aim at the tanning industry. According to Blum, both the tobacco and tanning industries exploit people in similar ways, by targeting youth, downplaying their own corporate responsibility, infiltrating pop-culture, and indeed, by becoming prolific icons.

Read more

MRA researchers in the News:

FDA Approves Keytruda for Melanoma Patients After Tumor Resection:

<<https://aws.predictiveresponse.net/fwd.htm?redirect=https://immuno-oncologynews.com/2019/02/27/fda-approves-keytruda-for-melanoma-patients-after-tumor-resection/&org=1459&lvl=100&ite=227&lea=1952&ctr=0&par=1&trk=3Da1N2M00000KmTVoUAN>> Quotes Alain Algazi.

Neoadjuvant Anti-PD-1 Predicts Melanoma Outcomes:

<<https://aws.predictiveresponse.net/fwd.htm?redirect=https://www.medpagetoday.com/hematologyoncology/skin-cancer/78256&org=1459&lvl=100&ite=227&lea=1952&ctr=0&par=1&trk=a1N2M00000KmTVoUAN>> Quotes Michael Atkins

Parade Gene Controls Pigment Stem Cells in Zebrafish:

<<https://aws.predictiveresponse.net/fwd.htm?redirect=https://www.technologynetworks.com/cell-science/news/parade-gene-controls-pigment-stem-cells-in-zebrafish-316169&org=1459&lvl=100&ite=227&lea=1952&ctr=0&par=1&trk=a1N2M00000KmTVoUAN>> Mentions MRA grant funding

Immunotherapy Appears Better Than Chemotherapy at Treating Aggressive Form of Skin Cancer:

<<https://aws.predictiveresponse.net/fwd.htm?redirect=https://hub.jhu.edu/2019/03/05/immunotherapy-does-better-than-chemo/&org=1459&lvl=100&ite=227&lea=1952&ctr=0&par=1&trk=a1N2M00000KmTVoUAN>> Features work of Suzanne Topalian, William Harkman, and Janis Taube

NCI scientist to receive Szent-Györgyi Prize for Progress in Cancer Research:

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2Dresearch&d=3DDwMFAw&c=UtbViGLMoQq17uDUqpM\_9A&r=pr7wFB6BacN-OzQDmPUVUZ6uh7D\_wXHM6=f2Cwf-uTk&m=R9LWw75g7Mp5XPPDPsojED1fyFYM\_FT8Y2ww-\_jX9Ko&s=lzPMiwrFr3-ysqGu8y9VEMu7s\_fXXLabN\_cabkUqmc&e&org=1459&lvl=100&ite=227&=mp;lea=1952&ctr=0&par=1&trk=a1N2M00000KmTVoUAN> Features Steven Rosenberg

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The =elanoma Research Alliance is the largest non-profit funder of melanoma =esearch. Since its founding in 2007, MRA has committed more than \$100 =illion in funding to advance our understanding of this disease. MRA funds =rojects in the areas of prevention, diagnosis and treatment with the =ajority of funding allocated for melanoma treatment.

Melanoma Research Alliance

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