

Space Radiation Welcome and Kickoff

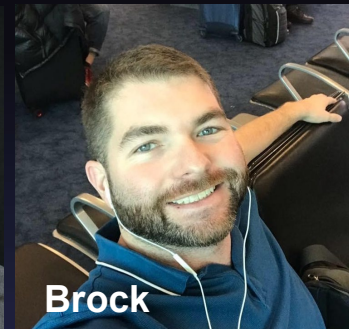
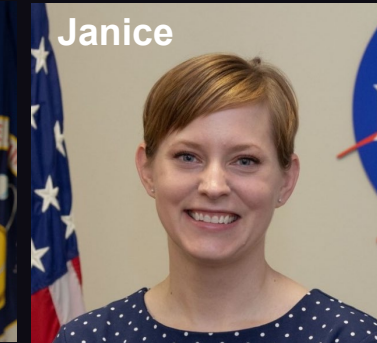
S. Robin Elgart, Ph.D.
Space Radiation Element Scientist
NASA Human Research Program

2022 NASA [Human](#) Research Program Investigators' Workshop



Welcome!

- 2021 was another strange year
- Thank you for sticking with us and preserving!



Element Inbox

jsc-hrp-space-radiation-element@mail.nasa.gov



Element Highlights

- Two very successful workshops
 - NERCI
 - Radiation Quality
- Initiated “Office Hours”
 - Third Wednesdays
 - Every other month starting in March
 - Contact us to get on the invite list
- 63 publications from SRE researchers!

<u>Primary Discipline</u>	<u>Publications</u>
Cancer	17
CNS Early	10
CNS Late	18
Degen/CVD	6
DEGEN/Other	9
Countermeasures	1
Physics	2

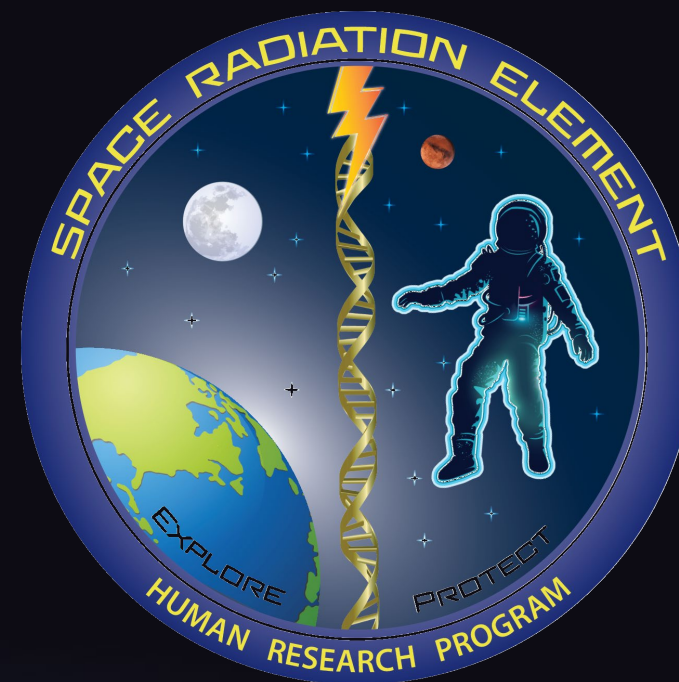
Element Inbox

jsc-hrp-space-radiation-element@mail.nasa.gov



Element News

- New Science Integrator! Jordan Rhone
- Revamp of THREE website
 - <https://three.jsc.nasa.gov/>
- Solicitations will RESTART this March
- Virtual HRP training program
 - Space Radiation is trailblazing
 - Focus on young investigators
 - Application to be released September 2022 via NSPIRES
 - If you are interested in participating, please reach out
 - Student OR Instructor
 - Stay tuned for more info



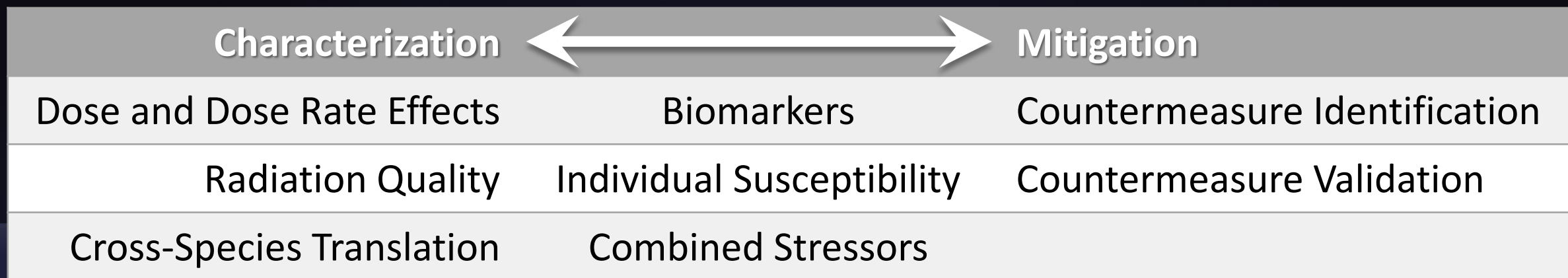
Element Inbox

jsc-hrp-space-radiation-element@mail.nasa.gov



Research Priorities

- Human health risks
 - Carcinogenesis
 - Cardiovascular and Immune
 - Central Nervous System



<https://humanresearchroadmap.nasa.gov/>



Space Radiation HRP IWS Kickoff!

Sessions look a little different this year...

Day	Time (Central)	Session Title
Monday 2/7/2022	12:30 pm 2:15 pm	Upping the ante on characterizing and mitigating cardiovascular disease risk from space radiation exposure – A Tiny TIM <ul style="list-style-type: none">• Session 1 – Current state of knowledge of CVD risk from NASA-funded studies• Session 2 – New Innovative and Advanced Approaches
Tuesday 2/8/2022	12:15 pm 2:00 pm	Low Dose Rate Effects for Space Radiation Carcinogenesis – A Tiny TIM <ul style="list-style-type: none">• Session 1 – Current Progress• Session 2 – Open Discussion
Wednesday 2/9/2022	1:00 pm 2:45 pm	Responses of the Central Nervous System to Simulated Cosmic Rays: Unique or Not? – A Tiny TIM <ul style="list-style-type: none">• Session 1 – Current Progress• Session 2 – Open Discussion
Thursday 2/10/2022	9:45 pm	Space Radiation Element Close-Outs



Tiny TIMs

- TIM = Technical Interchange Meeting
- Mini workshops focused on specific topics relevant to SRE
 - One for each discipline – CVD, Cancer, BMed/CNS
 - Presentations followed by open discussion
- Microsoft Teams breakout sessions for open discussion
 - Links provided via the conference platform



Other IWS Activities

- Office Hours
- Happy Hour
- The News
- Step Competition
- Photo, Meme, and Coloring Contests
- Scavenger Hunt



2022 SRE HRP IWS Honors

★ Lemonade Master – Bill Dynan



★ Redneck Enginooity – Corrine Barber



★ Best Cinematography – Mike Cornforth



★ No **Really** The Sky is Falling – Amy Kronenberg and Ellie Blakely

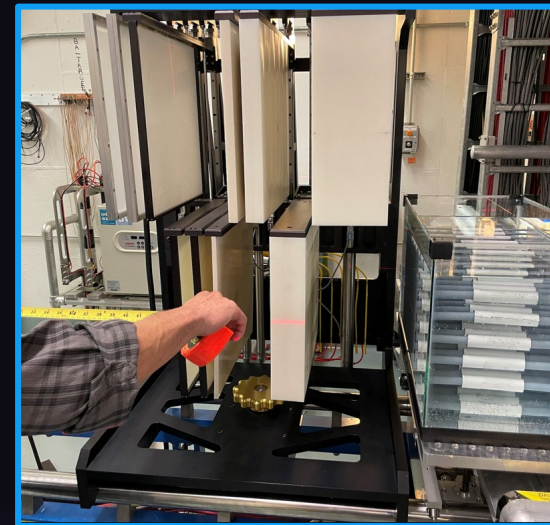


Photo provided with permission by Jeff Chancellor



Thank you for your attention!

Enjoy the rest of HRP IWS

