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TRANSPORTATION RESEARCH BOARD

2021 Virtual Annual Meeting



Consider all slides stamped “Preliminary”
and Subject to Change



Methods for Conducting Sessions

- Live: Presentations are delivered in real time, full interactivity with attendees
- “Simulive”: Presentations are pre-recorded, live discussion/Q&A
- Individual Presenter Sessions: Presenter can post paper, poster, PDF, video presentation (still subject to investigation), links (e.g. You Tube)
 - Viewable 24/7 throughout the meeting, scheduled author availability
- All events will be recorded for viewing after they occur (probably with some lag)
- All recordings will be available to attendees after the meeting.



Exhibits, Career Fair, Networking Events

- Exhibits

- Virtual “Booths,” customizable, brandable, ability to post PDFs, links, videos, prospects can “leave a card.” Chat function when booth is staffed (text or 1:1 video)

- Career Fair

- Much like an exhibit, drop off a resume, one-on-one chat function

- Networking Events

- Networking Lounge(s), group chat, one to one chat (text, phone, or video)



What Will It Look Like?



LOBBY







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Exhibit Hall



Webcast Auditorium



Networking Lounge



Welcome to this HR.com Virtual Event! The lobby is your starting point where you can

The lobby is your starting point where you can see the sponsoring companies for the event and navigate to all even locations like the network lounge, exhibit hall, and of course the webcasts! We hope you spend some time virtually poking around and with your peers.



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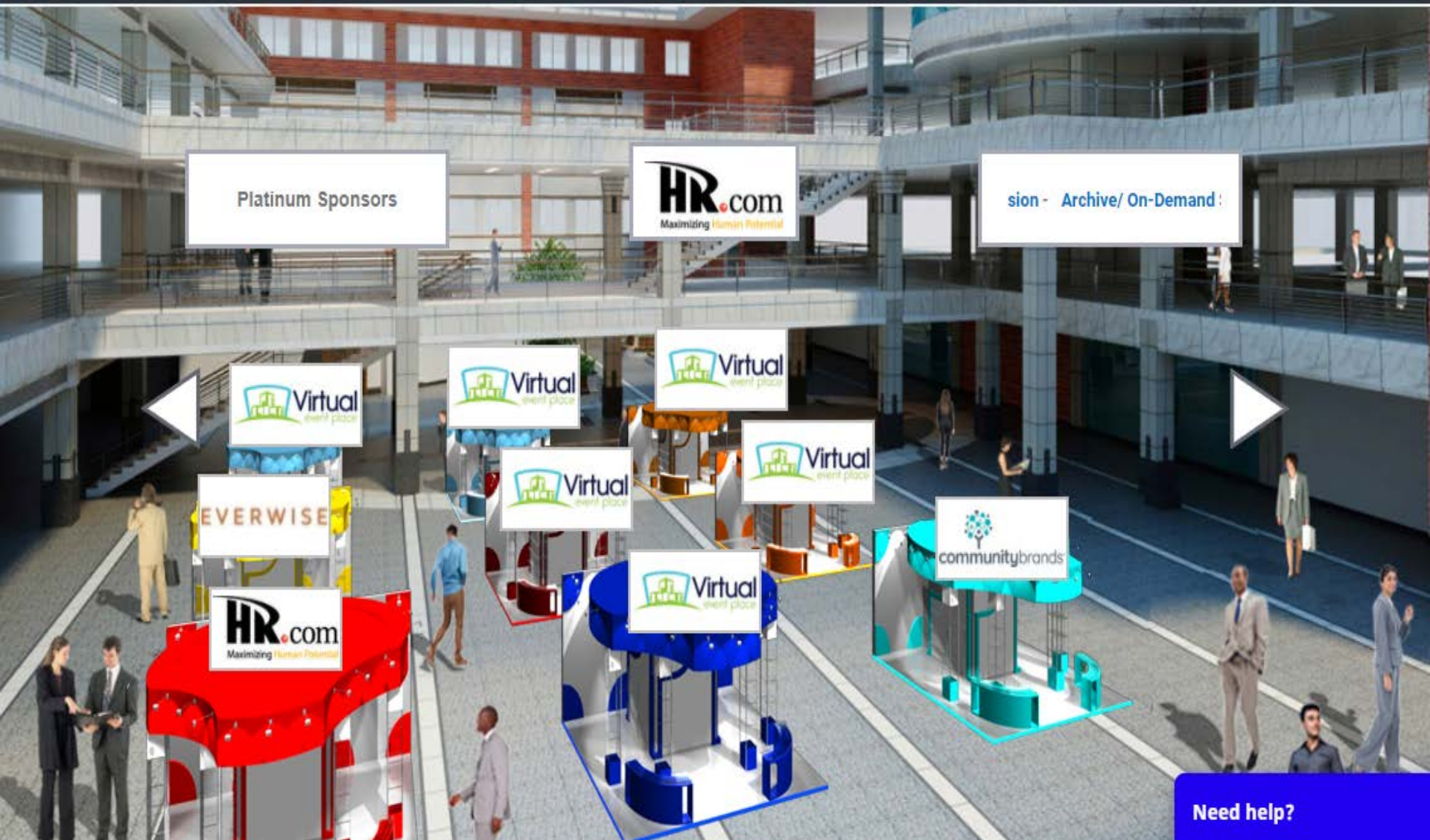
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EXHIBIT HALL

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Business card

Name Scott Babcock
Position Senior Program Officer
Company Transportation Research Board
Email sbabcock@nas.edu
Phone

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NETWORKING





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Desktop

11:06 AM
Monday
8/24/2020



- James Rochford (Community brands) >>
- Scott Babcock (Transportation Research Board) >>

Chat messages:

- Scott Babcock (Transportation Research Board): Scott Brotemarkle - can you see this message? 08-17 16:50
- Shelley Marsland (HRcom): testing 08-20 10:53
- Shelley Marsland (HRcom): 😊

Need help?





James Rochford
(Community brands) >>

Scott Babcock
(Transportation Research Board) >>

2 Speakers 0 Viewers

⬆ ⚙ ⏻

James Rochford (...)

Video call

James Rochford (Community brands) missed a call from you 11:11

Type here to chat privately with this person

... this message? 08-17 16:50

08-20 10:53

08-20 10:56

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CAREER FAIR

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2 - VIRTUAL EVENT DEMO Lobby Leaderboard Webcast Platinum Sponsors Exhibitor Hall

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11:24 AM
 Monday
 8/24/2020

SESSION AUDITORIUM

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Welcome to the Webcast Auditorium!

Jun 19, 2020

Jul 29, 2020

All

06-19-2020 5:50 pm - 7:00 pm ET (local time: 05:50 PM - 07:00 PM)

Archive/ On-Demand Session

[More info](#)

07-29-2020 4:21 pm - 5:21 pm ET (local time: 04:21 PM - 05:21 PM)

Youtube Session

[Watch the webcast](#)

[More info](#)

06-19-2020 5:50 pm - 7:00 pm ET (local time: 05:50 PM - 07:00 PM)

Archive/ On-Demand Session

[View Archive](#)

Presenters:
[Debbie McGrath](#) (HR.com)

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Presented by:

Pam Caffery
National Solutions
Sales Consultant

▶ 0:10 / 21:01



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Preview	Poster No	Title	Authors
	M002	Machine Learning Guided Neurofunctional Markers for High-Functioning Autism Spectrum Disorder	Sheeba Arnold Anteraper ^{1,2} , Kaustubh Pati ^{3,4} , Xavier Guell ^{2,5} , Gagan Joshi ^{2,6}
	M003	A mechanistic link between deficient synaptic pruning and functional hyper-connectivity in Pasqualetti ⁴ , Alessandro Gozzi ¹ autism	Marco Paganj ¹ , Alice Bertero ¹ , Alessia De Felice ¹ , Kaustubh Supekar ² , Stavros Trakoshis ³ , Alberto Galbusera ¹ , Michael Lombardo ¹ , Vinod Menon ² , Massimo Pasqualetti ⁴ , Alessandro Gozzi ¹

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8:52 PM Tuesday 8/18/2020

0:46:43



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Deep Brain Stimulation

Preview	Poster No	Title	Authors
	T204	Declarative memory improvement with perforant path integrity and proximity of deep brain stimulation	Tyler Wishard ¹ , Zahra M. Aghajan ¹ , Emily Mankin ¹ , Diane Villaroman ¹ , Taylor Kuhn ¹ , Itzhak Fried ¹ , Nanthia Suthana ¹
	T556	A Fully Convolutional Network-based Segmentation of the Deep Cerebellar Dentate Nucleus from 7T MRI	Jinyoung Kim ¹ , Rémi Patriat ¹ , Jordan Kaplan ¹ , Noam Harel ¹
	Th001	Modulating the human functional connectome by means of deep brain stimulation	Andreas Horn ¹ , Gregor Wenzel ¹ , Friederike Irmen ¹ , Julius Hübl ¹ , Wolf-Julian Neumann ¹ , Patricia Krause ¹ , Ningfei Li ¹ , Georg Bohner ¹ , Michael Scheel ¹ , Andrea Kühn ¹
	Th002	Structural networks predict clinical outcome to GPI-DBS for dystonia	Gabriel Gonzalez-Escamilla ¹ , Muthuraman Muthuraman ² , Martin Reich ³ , Nabin Koirala ¹ , Christian Riedel ⁴ , Martin Glaser ⁵ , Florian Lange ³ , Guenther Deuschl ⁴ , Jens Volkmann ³ , Sergio Groppe ¹

Preview A Fully Convolutional Network-based Segmentation of the Deep Cerebellar Dentate Nucleus from 7T MRI

javascript:previewAbstract(1844);

0:06:34

Skip back

10 || 30

8:45 PM Tuesday 8/18/2020

0:47:54







Neural correlates of deficient safety learning in individuals with low resting heart rate variability



Julia Wendt¹, Jörg König¹, Karla E. Peh¹, Martin Domin², Alfons O. Hamm¹, & Martin Lotze²

¹Department of Psychology, University of Greifswald, Germany

²Functional Imaging Unit, Center of Diagnostic Radiology and Neuroradiology, University of Greifswald, Germany

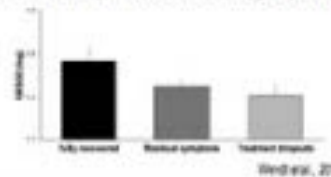
Introduction

Extinction of conditioned fear serves as a laboratory model for exposure treatment with patients suffering from anxiety disorders. Thus, an enhanced understanding of individual differences in extinction learning may help to improve exposure treatments.

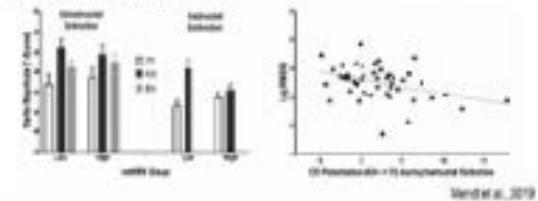
In previous studies, we observed that individuals with low resting heart rate variability (HRV) show a deficit in safety learning as indexed by fear-potentiated startle responses during fear conditioning experiments (Wendt et al., 2015; 2019) and that panic disorder patients with low resting HRV are more likely to drop out from or show residual symptoms after exposure treatment (Wendt et al., 2018).

Here, we used fMRI with a differential fear conditioning paradigm to investigate the neural correlates of the observed safety learning deficit in individuals with low resting HRV.

Pre-treatment HRV predicts dropout from and residual symptoms after exposure therapy in patients with panic disorder and agoraphobia



Safety learning deficit in individuals with low HRV: Evidence from fear-potentiated startle studies



Methods

Differential Fear Conditioning Paradigm: Stimulus Materials, Design and Procedure

Acquisition Training (ACQ1)



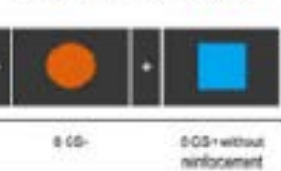
Instructed Acquisition Training (ACQ2)



Extinction Training (EXT1)



Instructed Extinction Training (EXT2)



Thank You

Questions?
Sbabcock@nas.edu

