



# 5<sup>th</sup> Patricia Levy Zusman International Workshop on Neuroregeneration



Houston Methodist Research Institute  
Department of Neurosurgery  
Center for Neuroregeneration



Organizing Committee: Phil Horner, PhD; Karim Fouad, PhD; Erica Dale, PhD; Gillian Hamilton, PhD; Julio Mejia; Debbie Vu; Catherin Martin, PT, NCS

## Tuesday March 4, 2025

*\*\* Please note: all timings provided are in CST (US Central Standard Time Zone)*

4:00pm-4:15pm	<b>Welcome Remarks</b> Philip Horner, PhD, Houston Methodist Research Institute (HMRI) Karim Fouad, PhD, University of Alberta	Marriott Hotel 3 <sup>rd</sup> Floor
4:15pm-4:40pm	<b>Ice Breaker</b> <i>A discussion on career by chance</i>	Marriott Hotel 3 <sup>rd</sup> Floor
4:40pm-5:00pm	<b>2023 Workshop Mini-Grant Winner</b> William Cafferty, PhD, Yale School of Medicine Matthew Hogan, PhD, HMRI	Marriott Hotel 3 <sup>rd</sup> Floor
5:00pm-5:50pm	<b>Poster Blitz Presentations for Trainees</b> <i>Moderator: Erica Dale, PhD, University of Florida</i>	Marriott Hotel 3 <sup>rd</sup> Floor
5:50pm-7:20pm	<b>Dinner</b> <i>limited seating, invited guests only</i>	Marriott Hotel 3 <sup>rd</sup> Floor
7:20pm-8:20pm	<b>Keynote Presentation: Different Treatments for Different Lesions</b> <i>Moderator: Karim Fouad, PhD, University of Alberta</i> <i>Speakers: Jan Schwab, MD, PhD, Ohio State University</i> <i>Kristine Cowley, PhD, University of Manitoba</i>	Marriott Hotel 3 <sup>rd</sup> Floor

## Wednesday March 5, 2025

*\*\*Please note: all timings provided are in CST (US Central Standard Time Zone)*

8:00am-8:30am	<b>Registration and Breakfast</b>	HMRI 2 <sup>nd</sup> Floor Auditorium
8:30am-8:40am	<b>Welcome Comments</b> Philip Horner, PhD, HMRI Karim Fouad, PhD, University of Alberta	HMRI 2 <sup>nd</sup> Floor Auditorium
8:40am-8:50am	<b>Introduction to Gallery Wall and Facilitation Techniques</b> Karina Branson, Conversketch	HMRI 2 <sup>nd</sup> Floor Auditorium
8:50am-10:50am	<b>Session 1: Combining Bridging with Cell Replacement</b> <i>Moderator: Philip Horner, PhD, HMRI</i> <i>Speakers: Stephanie Seidlits, PhD, University of Texas at Austin</i> <i>Aileen J Anderson, PhD, University of California, Irvine</i> <i>Michael Fehlings, MD, PhD, University of Toronto</i> <i>Sarah Christine Heilshorn, PhD, Stanford</i>	HMRI 2 <sup>nd</sup> Floor Auditorium
10:50am-11:00am	<b>Catalyst Award Introduction</b> Philip Horner, PhD, HMRI Karim Fouad, PhD, University of Alberta	HMRI 2 <sup>nd</sup> Floor Auditorium
11:00am-11:15am	<b>Coffee Break/Gallery Viewing</b>	HMRI 2 <sup>nd</sup> Floor Auditorium



11:15am-11:45am	<b>Brainstorming Session &amp; Team Building</b>	HMRI 2 <sup>nd</sup> Floor Auditorium
12:00pm-1:00pm	<b>Speed Topics Luncheon</b>	HMRI 2 <sup>nd</sup> Floor Boardroom
1:00pm-2:10pm	<b>Trainee Presentations</b> Moderator: Erica Dale, PhD	HMRI 2 <sup>nd</sup> Floor Auditorium
2:10pm-2:15pm	<b>Visual Summary Walkthrough</b> Karina Branson, Conversketch	HMRI 2 <sup>nd</sup> Floor Auditorium
2:15pm-2:30pm	<b>Gallery Viewing/Transition to Poster Session</b>	
2:30pm-3:45pm	<b>Poster Session</b>	Marriott Hotel 3 <sup>rd</sup> Floor
4:15pm-9:00pm	<b>Houston Rodeo</b> ( <i>invited guests only</i> )	Meet: 1 <sup>st</sup> Floor Marriott Hotel

### **Thursday March 6, 2025**

**\*\* Please note:** all timings provided are in CST (US Central Standard Time Zone)


8:00am-8:30am	<b>Registration and Breakfast</b>	HMRI 2 <sup>nd</sup> Floor Auditorium
8:30am-10:30am	<b>Session 2: Rehab and Exoskeletons</b> <i>Moderator:</i> David S. K. Magnuson, PhD, University of Louisville <i>Speakers:</i> Kristin Musselman, PhD, University of Toronto Edelle Field Fote, PhD, Shepherd Center Dimitri Sayenko, PhD, HMRI Sandra Hirche, PhD, Technical University of Munich	HMRI 2 <sup>nd</sup> Floor Auditorium
10:30am-10:45am	<b>Coffee Break/Gallery Viewing</b>	HMRI 2 <sup>nd</sup> Floor Auditorium
10:45am-11:30am	<b>Brainstorming Session &amp; Team Building</b>	HMRI 2 <sup>nd</sup> Floor Auditorium
11:30am-12:30pm	<b>Lunch and Networking</b>	HMRI 2 <sup>nd</sup> Floor Boardroom
12:30pm-2:00pm	<b>Session 3: Synergy of Neuromodulation and Long-tract Regeneration</b> <i>Moderator:</i> Aileen J Anderson, PhD, University of California, Irvine <i>Speakers:</i> Reggie Edgerton, PhD, Rancho Research Institute Brian R. Noga, PhD, The Miami Project Valentin Dragoi, PhD, HMRI Erica Dale, PhD, University of Florida Murray Blackmore, PhD, Marquette University Binhai Zheng, PhD, University of California, San Diego Brett Hilton, PhD, University of British Columbia Ilaria Palmisano, PhD, Ohio State University	HMRI 2 <sup>nd</sup> Floor Auditorium
2:00pm-2:15pm	<b>Coffee Break/Gallery Viewing</b>	HMRI 2 <sup>nd</sup> Floor Auditorium
2:15pm-3:45pm	<b>Session 3: Synergy of Neuromodulation and Long-tract Regeneration</b> <i>Moderator:</i> Aileen J Anderson, PhD, University of California, Irvine <i>Speakers:</i> Reggie Edgerton, PhD, Rancho Research Institute Brian R. Noga, PhD, The Miami Project Valentin Dragoi, PhD, HMRI	HMRI 2 <sup>nd</sup> Floor Auditorium



Erica Dale, PhD, University of Florida  
 Murray Blackmore, PhD, Marquette University  
 Binhai Zheng, PhD, University of California, San Diego  
 Brett Hilton, PhD, University of British Columbia  
 Ilaria Palmisano, PhD, Ohio State University

3:45pm-3:50pm	<b>Visual Summary Walkthrough</b> Karina Branson, Conversketch	HMRI 2 <sup>nd</sup> Floor Auditorium
3:50pm-4:20pm	<b>Coffee Break/Team Discussion &amp; Brainstorming Session</b>	HMRI 2 <sup>nd</sup> Floor Auditorium
4:20pm-4:30pm	<b>Transition to Marriott Hotel</b>	
4:30pm-5:00pm	<b>Mini-Grant Elevator Pitch Introduction</b> Moderator: Will Cafferty, PhD, Yale School of Medicine Matthew Hogan, PhD, HMRI	Marriott Hotel 3 <sup>rd</sup> Floor
5:00pm-7:00pm	<b>Dinner and Mini-Grant Elevator Pitches</b>	Marriott Hotel 3 <sup>rd</sup> Floor
7:00pm-7:30pm	<b>Awards and Closing Comments</b> Philip Horner, PhD, HMRI Karim Fouad, PhD, University of Alberta	Marriott Hotel 3 <sup>rd</sup> Floor

### Thank You to Our Sponsors:



**Patricia Levy Zusman** was a devoted wife, mother of four and loving grandmother to eight when she died of complications from Parkinson's disease. Patricia was no stranger to neurological diseases — her grandmother faced ALS and her granddaughter faces Rett Syndrome.

Despite her personal struggles, she dedicated herself to making the world a better place. She fought for equality for women through her work with the League of Women Voters and the National Council of Jewish Women. She volunteered at her children's schools, libraries and her local hospital. She would be so proud of the work that each of you are doing in neuro restoration. With each step and each breakthrough, you honor her memory.



Rusty and Paula Walter



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