



## American Society of Pain and Neuroscience (ASPAN) Presents PAIN, 2022 “The Science Meeting: Pioneering the World”

**Loews Miami Beach Hotel, Miami Beach, Florida  
July 14–July 17, 2022**

**Planning Committee: Timothy R. Deer, MD, Dawood Sayed, MD, Jason E. Pope, MD, Erika A. Petersen, MD, Harry P. Sukumaran, MD, Mark N. Malinowski, DO, FIPP, and Kasra Amirdelfan, MD**

Wednesday, July 13, 2022			
Time (EDT)	Location	Topic	Faculty
4:30-6:00P	Rotunda	Registration and check in for Hands-on Training Lab	
6:00-8:00P	Poinciana	<b>Young Innovators Dinner Sponsored by Platinum Sponsor Abbott</b> <i>Sponsored symposia will NOT be part of the CME program, nor eligible for CME credit</i>	Timothy R. Lubenow, MD, Jacqueline Weisbein, DO, Kiran V. Patel, MD, and Johnathan Goree, MD

Thursday, July 14, 2022			
Time (EDT)	Location	Topic	Faculty
		<b>HANDS-ON TRAINING LAB</b>	
7:00A	Rotunda	Registration and check in for Hands-on Training Lab	
7:15-8:00A	Poinciana	<b>Breakfast Symposium Sponsored by Platinum Sponsor Abbott</b>  <b><i>DORSAL ROOT GANGLION (DRG)</i></b>  <i>Sponsored symposia will NOT be part of the CME program, nor eligible for CME credit</i>	Timothy R. Deer, MD, Steven M. Falowski, MD, Ajay Antony, MD, and Youssef Josephson, DO
8:00A-5:00P	Americana 1,2	Hands-on Training Lab  <b><i>See lab agenda for rotation and session details</i></b>	Course Directors: Steven M. Falowski, MD and Jason E. Pope, MD
12:00-1:00P	Poinciana	<b>Luncheon Symposium Sponsored by SPR Therapeutics</b>  <b><i>Do More with Less with SPRINT PNS</i></b>	Amit Gulati, MD, Christopher A. Gilmore, MD, and Ali Valimahomed, MD, FAAPMR

		<i>Sponsored symposia will NOT be part of the CME program, nor eligible for CME credit</i>	
1:00-5:00P	Americana 1,2	Hands-on Training Lab Final lab rotations See lab agenda for rotation and session details	
12:00-5:00P	Americana 3&4	<b>Conference Exhibit Set up</b>	
5:00-6:00P	<b>Preston's Terrace</b>	<b>Young Innovators Reception Sponsored by Diamond Sponsor Medtronic</b>  <i>*Not part of the CME program</i>	<b>Welcome:</b> <b>Timothy R. Deer, MD, Dawood Sayed, MD, Jason E. Pope, MD, and Erika A. Petersen, MD</b>

### Friday, July 15, 2022

Time (EDT)	Location	Topic	Speakers
6:00-7:00A	Americana Lawn	ESSETRICS® Exercise Class	Alane B. Costanzo, MD
7:00-7:45A	Rotunda	Registration Open	
7:45A		Welcome to ASPAN PAIN 2022 "The Science Meeting: Pioneering the World"	Timothy R. Deer, MD and Dawood Sayed, MD

### Main Session:

7:45-8:30A	Poinciana	<b>Breakfast Symposium Sponsored by Gold Sponsor Nalu Medical</b>  <i>Redefining PNS and SCS Applications with a Micro-IPG</i>  <i>Sponsored symposia will NOT be part of the CME program, nor eligible for CME credit</i>	Presenters: Paul Lynch, MD, Mark N. Malinowski, DO, FIPP, Camilla Binks, MSN, FNP-C, and Christopher A. Gilmore, MD
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### MIS and Biomechanics

#### Block 1: Topics in Neuroscience

8:30-9:20A	Americana 2	Topics in Neuroscience: The Science Hour	Moderators: Kathleen W. Meacham, MD, PhD and Rick M. Paicius, MD Guest Speakers: Fernando Aleman, PhD, Michael G. Kaplitt, MD, PhD, and Gracesenia Verina Chahyadinata
9:20-9:25A	Americana 2	Introduction of the Best Research and Abstracts of ASPAN 2022	Kasra Amirdelfan, MD

#### Block 2: Regenerative Science

<b>Abstract Presenters Introduced by Dawn A. Sparks, DO, and Derron K. Wilson, MD, FIPP</b>			
9:25-9:32A	Americana 2	Abstract Presentation: Posterior Fixation of the Sacroiliac Joint Removes Less Bone and Increases Surface Area: A Computer Model Analysis	Steven M. Falowski, MD
9:32-9:39A	Americana 2	Abstract Presentation: Disc Progenitor Cell Therapy Produces Clinically Meaningful Improvements in Pain, Disability, and Quality of Life for Patients with Lumbar Disc Degeneration with Durability of Results at 78 Weeks	Timothy T. Davis, MD
9:39-9:46A	Americana 2	Abstract Presentation: Viable Disc Allograft Supplementation in Patients With Chronic Low Back Pain (VAST Trial): Interim 36-month Results of an Open-label Extension Study	Douglas P. Beall, MD
9:46-10:00A	Americana 2	Panel: Breaking Down the Current Data for Intradiscal Cell Therapies	Moderators: Annu Navani, MD, and Timothy T. Davis, MD Panlists: Corey W. Hunter, MD, FIPP, George C. Chang Chien, DO, Jonathan Carlson, MD, Kasra Amirdelfan, MD, Dawn A. Sparks, DO, Dan Bates (BSc.(HONS), B.Med, FACSEP)
10:00-10:30 A	Americana 3&4	Break with Exhibits and Abstract Poster Viewing <b>Sponsored by Silver Sponsor: Mainstay Medical</b> <i>*Not part of the CME program</i>	
<b>Block 3: Spine: Diagnostics and Biomechanics</b>			
<b>Abstract Presenters Introduced by Priyanka Ghosh, MD and John S. Michels, MD</b>			
10:30-10:37A	Americana 2	Abstract Presentation: RAPID: An International, Prospective, Multicenter Study of Radiofrequency Ablation Outcomes in Chronic Pain Patients	Louis J. Raso, MD, PA
10:37-10:44A	Americana 2	Abstract Presentation: Quantifying the Long-Term Impact of a Motion-Sparing Interspinous Spacer on Sagittal Alignment in Patients with Lumbar Spinal Stenosis	Peter Whang, MD
10:44-10:51	Americana 2	Abstract Presentation: Observational study of the effect of differential target multiplexed SCS on intractable upper extremity pain	Ricardo Vallejo, MD, PhD
10:51-11:10A	Americana 2	Panel: The Imaging of Pain: What Is Abnormal?	Moderators: Sayed Emal Wahezi, MD and Timothy R. Lubenow, MD Panelists: John S. Michels, MD, Douglas P. Beall, MD, Ajay Antony, MD,

			Denis G. Patterson, DO, Whitney James, MD, MHS, and Peter G. Pryzbylkowski, MD
11:10-11:30A	Americana 2	Panel: The Mechanics of Pain in the Facet and Sacroiliac Joints	Moderators: Dawood Sayed, MD and Pankaj Mehta, MD Panelists: George E. Girardi, MD, Maged Guirguis, MD, Christopher K. Kim, MD, Peter G. Pryzbylkowski, MD, Jennifer Marie Lee, MD, and Dan Bates (BSc.(HONS), B.Med, FACSEP)
11:30-11:50A	Americana 2	Panel: Mechanisms of Spinal Disease: Spinal Stenosis, Spondylolisthesis, Degenerative Disc Disease	Moderators: Michael J. Dorsi, MD and Jason E. Pope, MD Panelists: Steven M. Falowski, MD, Jacqueline Weisbein, DO, Mark Coleman, MD, Harold Cordner, MD, Denis G. Patterson, DO, Ahmed Raslan, MD, and Louis J. Raso, MD, PA
11:50-12:00P	Americana 2	Q&A	All Faculty
12:00-1:00P	Poinciana 1&2	<b>Lunch Symposium Sponsored by Platinum Sponsor: Relievant</b>  <i><b>New! Review of the Best Practice Guidelines on the Diagnosis and Treatment of Vertebrogenic Pain with Basivertebral Nerve Ablation from the American Society of Pain and Neuroscience</b></i>  <i>Sponsored symposia will NOT be part of the CME program, nor eligible for CME credit</i>	Moderated by Dawood Sayed, MD Panel: Douglas Beall, MD, Brian Durkin, DO, Anthony Giuffrida, MD, Pankaj Mehta, MD, Kiran V. Patel, MD, and Ramana Naidu, MD
12:00-1:00P	Poinciana 3&4	<b>Lunch Symposium Sponsored by Diamond Sponsor: Medtronic</b>  <i><b>Advancing SCS: Learn about new advancements in DTMTM SCS therapy options, diabetic peripheral neuropathy, and ECAPs research</b></i>  <i>Sponsored symposia will NOT be part of the CME program, nor eligible for CME credit</i>	Krishnan Chakravarthy, MD, PhD, Tammy Dann, DO, Michael A. Fishman, MD, MBA, and Ricardo Vallejo, MD, PhD

## Block 4: Minimally Invasive Spine Treatments

Abstract Presenters Introduced by Rehan Waheed, DO, JD, and Karina Gritsenko, MD

1:00-1:07P	Americana 2	Abstract Presentation: Assessing Benefit of Spinal Cord Stimulation Utilizing Sensor-based Motion Analytics	Gladstone C. McDowell II, MD
1:07-1:14P	Americana 2	Abstract Presentation: Applying Dermatomal Somatosensory Evoked Potential as a Safety Measure during Procedure of Dorsal Root Ganglion Stimulator Placement	Lei Lu, MD, PhD
1:14-1:21P	Americana 2	Late Breaking Abstract: Disrupting the chronic pain cycle using Ecap-controlled closed-loop stimulation: 24-month EVOKE study results	Steven M Falowski, MD
1:21-1:40P	Americana 2	Panel: Interventional Approaches to Degenerative Axial Back Pain	Moderated by: Dawood Sayed, MD and Jordan Lee Tate, MD, MPH Panelists: Ramana Naidu, MD, Kasra Amirdelfan, MD, Kiran V. Patel, MD, Timothy T. Davis, MD, Michael F. Esposito, MD, Christopher K. Kim, MD, and Eric T. Lee, MD
1:40-2:00P	Americana 2	Interventional Approaches to Spinal Stenosis: MIST 2.0	Moderated By: Timothy R. Deer, MD and Jay S. Grider, DO, PhD, MBA Panelists: Jason E. Pope, MD, Michael J. Dorsi, MD, Nomen Azeem, MD, FAAPMR, Ajay Antony, MD, Robert Levy, MD, PhD, Karina Gritsenko, MD, Michael Verdolin, MD, and Neel Mehta, MD
2:00-2:20P	Americana 2	Panel: Treatment of Spondylolisthesis and Instability: Percutaneous and Open Approaches	Moderators: Erika A. Petersen, MD and Krishnan Chakravarthy, MD, PhD Panelists: Ankur Khosla, MD, Steven M. Falowski, MD, John R. Orphanos, MD, FAANS, Jeffrey S. Henn, MD, Douglas P. Beall, MD, Ashley Bailey-Classen, DO, Michael F. Esposito, MD, and Michael J. Dorsi, MD
2:20-2:40P	Americana 2	Panel: Minimally Invasive Options for Sacroiliac Disorders	Moderated By: Kasra Amirdelfan, MD and Steven M. Falowski, MD Panelists: Jeffrey S. Henn, MD, John R. Orphanos, MD, FAANS, Pankaj Mehta, MD, Chau M. Vu, MD, Patrick Buchanan, MD, James S. Harman, DO,

			Alexander Escobar, MD, and Annu Navani, MD
<b>Block 5: Special Topics in Pain and Neuroscience</b>			
<b>Abstract Presenters Introduced by Helen M. Blake, MD, MBA, and Nagy Mekhail, MD, PhD</b>			
2:40-2:47P	Americana 2	Abstract Presentation: Disparities in Interventional Pain Management of Lumbar Radiculopathy	Robert Louis, MD, BA
2:47-2:54P	Americana 2	Abstract Presentation: Utilizing intraoperative neuromonitoring to compare myotomal coverage and EMG recruitment for single and multi- area burst spinal cord stimulation for treatment of chronic pain	Steven M. Falowski, MD
2:54-3:01	Americana 2	Abstract Presentation: Holistic clinical endpoints for SCS in a chronic, non-surgical, axial low back pain population: application in the DISTINCT RCT	Timothy R. Deer, MD
3:01-3:16P	Americana 2	Panel: Complication Management of Interventional and Surgical Procedures	Moderators: Timothy R. Deer, MD and Natalie H. Strand, MD Panelists: Helen M. Blake, MD, MBA, Alane B. Costanzo, MD, Matthew T. Ranson, MD, William M. Tiano, Esq., Soriaya Motivala, MD, and Matt Rupert, MD, MS, FIPP
3:16-3:30P	Americana 2	Meta analysis of Interventional Treatments for Low Back Pain	Nagy Mekhail, MD, PhD
3:30-3:50P	Americana 2	Panel: Advancing Technology in the Treatment of Vertebral Fractures	Moderators: Alexander Escobar, MD and Whitney James, MD, MHS Panelists: Gurtej Singh, MD, Harry P. Sukumaran, MD, Douglas P. Beall, MD, Soriaya Motivala, MD, Ali Valimahomed, MD, FAAPMR, Daniel Denis, MD, MSc, FRCSC, Michael Verdolin, MD, and Matthew T. Ranson, MD
3:50-4:20P	Americana 3&4	Break with Exhibits and Abstract Poster Viewing: <b>Sponsored by Silver Sponsor Mainstay Medical</b>  <i>Loss of Neuromuscular Control: The Problem No One is Addressing</i>	Jason E. Pope, MD and Dawood Sayed, MD Presenting on behalf of Mainstay Medical at Booth #407

		<i>*Not part of the CME program</i>	
4:20-4:45P	Americana 2	Executive Perspectives on the Field of Interventional Pain, Spine, and Neuroscience <i>*Not part of the CME program</i>	Moderated By: Timothy R. Deer, MD and Dawood Sayed, MD Panelists: Maulik Nanavaty, D. Keith Grossman, Pedro Malha, Maria Bennet, Jason Hannon, Tyler Binney, Michael Enxing, Bob Compton, Nnamdi Njoku
4:45-5:00P	Americana 2	Product Theater presented by PainTEQ  <i>LinQ- Leading the Clinical Evidence Revolution in Sacroiliac Joint Dysfunction</i>  <i>*Not part of the CME program</i>	Timothy R. Deer, MD, Dawood Sayed, MD, and Kasra Amirdelfan, MD
5:00-5:15P	Americana 2	Closing Remarks: <b>From Covid Deathbed to Ironman: A Story of Survival</b> <i>*Not part of the CME program</i>	Timothy R. Deer, MD and Ben O'Donnell
5:30~6:30P	Americana Lawn	<b>ASPAN Annual 5k Walk and Run for Charity</b> <i>Team Competition and Individual Awards for Men and Women's divisions.</i> <b>Race Sponsored by Diamond Sponsor: Basic Home Infusion</b> <b>Race Shirts sponsored by Kelly Castleberry of Morgan Stanley/Graystone</b> <i>*Not part of the CME program</i>	
6:30-7:00P	Americana Lawn	<b>Post-Race Reception Sponsored by Silver Sponsor Nevro Corp</b>  <i>*Not part of the CME program</i>	
6:30-7:30P	Cowrie 2	<b>P2P Program Presentations and Meet and Greet</b>  <i>*Not part of the CME program</i>	

**Saturday July 16, 2022**

Time (EDT)	Location	Topic	Speakers
6:15-7:15A	Americana Lawn	ESSETRICS ® Exercise Class	Alane B. Costanzo, MD
7:15-7:45A	Rotunda	Registration Open	

7:15-8:00A	Poinciana	<b>Continental Breakfast</b>  <i>*Not part of the CME program</i>	
<b>Advanced Practice Providers Depart to APP Workshop – See Agenda Below</b>			
Advanced Practice Providers Workshop and Meeting (Breakout) Course Directors: Zohra Hussaini MSN, FNP-BC, MBA, Brittney Misercola, APRN, FNP-C, Casey Grillo, FNP-C, Ashley G. Comer, APRN, NP-C, and Jane Hartigan, PA-C			
7:15-8:00A	Cowrie 2	<b>APP Breakfast Symposium Sponsorship Sponsored by APP Course Sponsor - Relieva</b>  <i>Ablation of the Basivertebral Nerve for Relief of Chronic Vertebrogenic Low Back Pain: The Intracept® Procedure</i>  <i>*Not part of the CME program</i>	Brittney Misercola, APRN, FNP-C
8:00-8:10A	Cowrie 1	Welcome and Introductions	Zohra Hussaini MSN, FNP-BC, MBA
8:10-12:00P	Cowrie 1	Round Table Small Group Discussion Topics Details Below	
Break in Group of 4, rotate every 30 minutes	Cowrie 1	<b>Spine Decompression</b> <ul style="list-style-type: none"> <li>• Spinal fusion</li> <li>• Spinal spacing</li> <li>• Pild</li> </ul>	Jane Hartigan, PA-C, Marie Zambelli, MSN, APRN, FNP-C, Brittney Misercola, APRN, FNP-C
	Cowrie 1	<b>Facetogenic Pain</b>	Tara Draehn, NP
	Cowrie 1	<b>Neuropathic</b> <ul style="list-style-type: none"> <li>• SCS</li> <li>• DRG</li> <li>• PNS</li> </ul>	Casey Grillo, FNP-C, Amitabh Gulati, MD
	Cowrie 1	<b>Intrathecal therapy</b>	Tamara Kratzberg, NP, Amitabh Gulati, MD
10:10-10:30A	Americana 3 and 4	<b>Break with Exhibits Sponsored by Scilex Pharmaceuticals</b>  <i>*Not part of the CME program</i>	
Break into 3 groups, rotate every 30 minutes	Cowrie 1	<b>Vertebrogenic Pain</b>	Brittney Misercola, APRN, FNP-C
	Cowrie 1	<b>Discogenic Pain</b>	Zohra Hussaini MSN, FNP-BC, MBA, Stanley Golovac, MD



	Cowrie 1	<b>Sacroiliac Dysfunction</b>	Ashley G. Comer, APRN, NP-C
12-1:00P	Cowrie 2	<b>APP Luncheon Symposium Sponsorship</b> <b>Sponsored by Bronze Sponsor VIVEX Biologics</b> <i>*Not part of the CME program</i>	
<b>Neuromodulation and Basic Science</b>			
<b>Block 6: Mechanisms in Neuromodulation</b>			
8:00A	Americana 2	Welcome	Jason E. Pope, MD and Erika A. Petersen, MD
8:00-8:07A	Americana 2	Abstract Presentation: Long term Outcomes with 10kHz Spinal Cord Stimulation for treating Non-surgical Refractory Back Pain: 18-month Results from Multicenter RCT	Leonardo Kapural, MD, PhD
8:07-8:14A	Americana 2	Abstract Presentation: Optogenetic Dorsal Root Ganglion Neuromodulation in Acute and Chronic Pain Models	Darryl Narcisse, MD
8:14-8:21A	Americana 2	Abstract Presentation: Prospective 6-month Study Outcomes of a Differential Target Multiplex SCS Therapy Derivative	Kasra Amirdelfan, MD
8:21-8:40A	Americana 2	Panel: New Insights into Mechanisms of Action in Spinal Cord Stimulation in the era of new technology	Moderated By: Jason E. Pope, MD and Mark N. Malinowski, DO, FIPP Panelists: Peter S. Staats, MD, MBA, Marshall Bedder MD FRCPC - Chief of Pain Medicine Augusta VAMC, Kenneth B. Chapman, MD, Maged Guirguis, MD, Tory L. McLunkin, MD, and Tammy Dann, DO, MPH
8:40-9:00A	Americana 2	Panel: Optimizing Therapy Adoption and Re-establishing Efficacy; Enhancing Outcomes and Ensuring Durability	Moderated By: Mehul J. Desai, MD, MPH and Tory L. McLunkin, MD Panelists: Erika A. Petersen, MD, Scott G. Pritzlaff, MD, CIPS, FIPP, Krishnan Chakravarthy, MD, PhD, Marshall Bedder MD FRCPC - Chief of Pain Medicine Augusta VAMC, Michael Verdolin, MD, and David W. Lee, MD
<b>Block 7: Neuromodulation of the Spine</b>			
Abstract Presenters Introduced by Myrdalis Diaz-Ramirez, MD			

9:00-9:07A	Americana 2	Abstract Presentation: European randomized controlled trial to study the effects of differential targeted multiplexed SCS for chronic back pain in patients diagnosed with surgical refractory back pain	Ricardo Vallejo, MD, PhD
9:07-9:14A	Americana 2	Abstract Presentation: A Prospective, Multicenter Evaluation of Novel Fast-Acting Sub-Perception-Based Spinal Cord Stimulation for Chronic Pain: FAST Study	Jennifer Marie Lee, MD
9:14-9:21A	Americana 2	Abstract Presentation: Earlier Intervention Yields Better Results in Spinal Cord Stimulation Salvage Therapy: Prospective 12-Month Follow Up from the Prolong Study	Corey W. Hunter, MD, FIPP
9:21-9:28A	Americana 2	Abstract Presentation: Cooled Radiofrequency Ablation vs. Standard Medical Management for Chronic Sacroiliac Joint Pain: A Multicenter, Randomized Comparative-Effectiveness Study	Steven P. Cohen, MD
9:28-9:35A	Americana 2	Late Breaking Abstract Presentation: ECAP-Controlled Spinal Cord Stimulation in non-surgical refractory back pain: EVOKE and AVALON Study Subgroup Analysis at 12-months	Timothy R. Deer, MD
9:35-9:42A	Americana 2	Late Breaking Abstract Presentation: 12 Month Outcomes from SECURE: A Multi-center Prospective Study on A novel Posterior Sacroiliac Fusion Device	Dawood Sayed, MD
9:42-9:52A	Americana 2	I-ASPAN: Update on progress	Reda M. Tolba, MD, Victor Silva, MD, and Jesus Medina, MD
9:52-10:10A	Americana 2	Panel: Discussing the Most Impactful SCS Evidence in the Last 24 Months	Moderated By: Timothy Deer, MD and Dawood Sayed, MD Panelists: Michael A. Fishman, MD, MBA, Erika A. Petersen, MD, Robert Levy, MD, PhD, Kiran V. Patel, MD, Louis J. Raso, MD, PA, Jennifer Marie Lee, MD, and Sean Li, MD
10:10-10:40A	Americana 3&4	Break with Exhibits and Abstract Poster Viewing Sponsored by Scilex Pharmaceuticals <i>*Not part of the CME program</i>	

**Block 8: Young Innovators**

Abstract Presenters Introduced by Sandy Christiansen, MD and Anthony Giuffrida, MD

10:40-10:47A	Americana 2	Abstract Presentation: Evidence of durable reduction in pain and sensory symptoms of diabetic neuropathy with 10kHz spinal cord stimulation: 24-month outcomes from an RCT	Erika A. Petersen, MD
10:47-10:54A	Americana 2	Abstract Presentation: Title: Comparison of Calculated Pain Relief From Spinal Cord Stimulator Implantation Based on Number of Prior Lumbar Spine Surgeries: a Retrospective Review.	Nathan DeTemple, BS
10:54-11:01A	Americana 2	Abstract Presentation: The MOTION Study: 2-Year Outcomes	Timothy R. Deer, MD
11:01-11:21A	Americana 2	Blurring of the Lines with Minimally Invasive Treatments: Collaboration between Interventionists and Surgeons	Moderated by: Timothy R. Deer, MD and Dawood Sayed, MD Panel: Jeffrey E. Arle, MD, PhD, FAANS, Erika A. Petersen, MD, Steven M. Falowski, MD, Jordan Lee Tate, MD, MPH, Pankaj Mehta, MD, Neel Mehta, MD, and James J. Yue, MD
11:21-11:40A	Americana 2	Young Innovators Panel	Moderated By: Shravani Durbhakula, MD, MPH, MBA, and Jay M. Shah, MD, FAAPMR Panelists: Ryan Budwany, MD, Priyanka Ghosh, MD, Christopher M. Lam, MD, Morad Nasser, MD, Vwaire Orhurhu, MD, MPH, Raj G. Patel, MD, Shawn Puri, MD, and Nasir Khatri, MD
11:40-12:00P	Americana 2	Panel Discussion: The Future of Professional Education in Pain Management	Moderated By: Miles Day, MD and Shravani Durbhakula, MD, MPH, MBA Panelists: Chong Kim, MD, Scott G. Pritzlaff, MD, CIPS, FIPP, Neel Mehta, MD, Ahmed Raslan, MD, Tolga Suvar, MD, Reda M. Tolba, MD, Stephanie Vanterpool, MD, MBA, and Michael E. Schatman, PhD
12:00-1:00P	Poinciana 1&2	<b>Luncheon Symposium Sponsored by Platinum Sponsor Abbott</b>  <b>ADVANCEMENTS IN NEUROMODULATION AND DIGITAL HEALTH</b>	Timothy R. Deer, MD, David Dickerson, MD, Denis G. Patterson, DO, Jacqueline Weisbein, DO, and Steven M. Falowski, MD

		<i>Sponsored symposia will NOT be part of the CME program, nor eligible for CME credit</i>	
12:00-1:00P	Poinciana 3&4	<p><b>Luncheon Symposium Sponsored by Diamond Sponsor Stimwave</b></p> <p><b>The Innovative Freedom PNS System Powered by HF-EMC</b></p> <p><i>Sponsored symposia will NOT be part of the CME program, nor eligible for CME credit</i></p>	
<b>Block 9: Neuromodulation of the Periphery</b>			
<b>Abstract Presenters Introduced by Sean Li, MD and Jennifer Dais, MD</b>			
1:00-1:07P	Americana 2	Abstract Presentation: Pain Relief in Patients Undergoing a Commercial Spinal Cord Stimulation Trial: Evaluation of In-Clinic Pain Reports Versus Daily At-Home Pain Reports	Leonardo Kapural, MD, PhD
1:07-1:14P	Americana 2	Abstract Presentation: Durability of Relief with Percutaneous Medial Branch PNS	Christopher A. Gilmore, MD
1:14-1:21P	Americana 2	Late Breaking Abstract Presentation: Treatment of Painful Lumbar Degenerative Disc Disease: A Feasibility Study with Hydrogel	Douglas P. Beall, MD
1:21-1:40P	Americana 2	Panel: Evaluating Short-term vs Long-Term Treatment for Long-Term PNS Outcomes: A Case-Based Roundtable	Moderated by: Mehul J. Desai, MD, MPH and Mark Malinowski, DO Panel: Christopher A. Gilmore, MD, Ramana Naidu, MD, Christopher J. Gilligan, MD, Hesham Elsharkawy, MD, MBA, Yashar Eshraghi, MD, and Jennifer Marie Lee, MD
1:40-2:00P	Americana 2	Panel: Peripheral Nerve Stimulation for Lower Back Pain: Targets, Techniques, and Evidence	Moderated By: Krishnan Chakravarthy, MD, PhD and David Dickerson, MD Panelists: Christopher J. Gilligan, MD, Corey W. Hunter, MD, FIPP, Meredith Langhorst, MD, Scott G. Pritzlaff, MD, CIPS, FIPP, David Reece, DO, Robert D. Heros, MD, and David W. Lee, MD
2:00-2:20P	Americana 2	Panel: What are the Best Targets for Peripheral Nerve Stimulation?	Moderated By: Jordan Lee Tate, MD, MPH and Paul Lynch, MD Panelists: Robert Levy, MD, PhD, Alexios Carayannopoulos, DO, MPH, DABPMR, Eric G. Cornidez, MD, MBA, Maxim Eckmann, MD, Youssef

			Josephson, DO, and Konstantin Slavin, MD, FAANS
<b>Block 10: Targeted Drug Delivery and Cancer Pain</b>			
2:20-2:40P	Americana 2	Panel: Intrathecal Drug Delivery: Strategies to Improve Outcomes and Utilization	Moderators: Salim M. Hayek, MD, PhD and Stephanie Vanterpool, MD, MBA Panel: Anjum Bux, MD, Jacqueline Weisbein, DO, Hemant Kalia, MD, MPH, Pooja R. Chopra, MD, Jennifer Dais, MD, Michael Danko, MD, Tammy Dann, DO, MPH, and Sandy Christiansen, MD
2:40-3:00P	Americana 2	Panel: Neuromodulation in Cancer Pain Management	Moderated by: Hemant Kalia, MD, MPH and Rudy Malayil, MD Panel: Amitabh Gulati, MD, Mansoor M. Aman, MD, Navdeep S. Jassal, MD, Michael Danko, MD, Miles Day, MD, Ali Nairizi, MD, Melissa Murphy, MD, MPH, and Ali Valimahomed, MD, FAAPMR
<b>Block 11: Ablative Therapies</b>			
<b>Abstract Presenters Introduced by Rany T. Abdallah, MD, PhD, MBA and Ashley Bailey-Classen, DO</b>			
3:00-3:07P	Americana 2	Abstract Presentation: Multiphase Spinal Cord Stimulation Therapy in Patients With Chronic Pain: Efficacy, Safety, and Patient Satisfaction Outcomes From a Randomized Clinical Trial	Sean Li, MD
3:07-3:14P	Americana 2	Abstract Presentation: Intraosseous Basivertebral Nerve Ablation 3-Year Effectiveness and Safety Results: A Pooled Cohort Study of Two Prospective Clinical Trials	Douglas P. Beall, MD
3:14-3:30P	Americana 2	Panel: Ablative Target for Anterior Column Low Back Pain: Vertebral and Intradiscal Targets	Moderated by: Douglas P. Beall, MD and Dan Bates (BSc.(HONS), B.Med, FACSEP) Panel: Leonardo Kapural, MD, PhD, Anthony Giuffrida, MD, Mehul J. Desai, MD, MPH, Natalie H. Strand, MD, Pankaj Mehta, MD, Kiran V. Patel, MD, and Eric T. Lee, MD
3:30-3:50P	Americana 2	Panel: Applying Large Lesion Ablation to Clinical Practice	Moderated by: Maxim Eckmann, MD and Jason C. Rosenberg, MD

			Panel: Johnathan Goree, MD, Stanley Golovac, MD, Mayank Gupta, MD, Rany T. Abdallah, MD, PhD, MBA, Kenneth B. Chapman, MD, Pooja R. Chopra, MD, and Steven P. Cohen, MD
3:50-4:10P	Americana 3&4	Break with Exhibits and Abstract Poster Viewing <i>*Not part of the CME program</i>	
<b>Block 12: New Therapeutics and Approaches to Pain</b>			
4:10-4:30P	Americana 2	Ketamine, Medical Marijuana, and Low Dose Naltrexone: New Options for Old Drugs	Moderators: Alaa Abd-Elseyed, MD, MPH Panel: Amol Sooin, MD, Michael E. Schatman, PhD, Sandy Christiansen, MD, Yeshvant A. Navalgund, MD, Shachi Patel, MD, and Mansoor M. Aman, MD
4:30-4:50P	Americana 2	Panel: Future Therapeutics for Pain	Moderators: Preet Patel MD and Timothy T. Davis, MD Panel: Rick M. Paicius, MD, Kathleen W. Meacham, MD, PhD, Harold Cordner, MD, Yashar Eshraghi, MD, George E. Girardi, MD, and Morad Nasser, MD
4:50-5:00P	Americana 2	Abstract Awards and Closing Remarks	Jason E. Pope, MD and Kasra Amirdelfan, MD
5:00-6:00P	Preston's Terrace	<b>Cocktail Reception Sponsored by Gold Sponsor Nalu Medical</b> <i>*Not part of the CME program</i>	
6:00-7:30P	Poinciana	<b>Faculty Dinner and Awards Symposium Sponsored by Platinum Sponsor Abbott ASPAN AWARD PRESENTATIONS</b> <b>Welcome - Timothy R. Deer, MD, Dawood Sayed, MD, Jason E. Pope, MD and Erika A. Petersen, MD</b> <b>Brief Discussion of Research Advancements and the Future presented by Abbott Awards</b>  <i>Lifetime Achievement Award presented by:</i> <i>Timothy R. Deer, MD</i> <i>Recipient: Marshall Bedder MD FRCPC - Chief of Pain Medicine Augusta VAMC</i>	By Invitation Only

		<p><b>Functional Neurosurgeon of the Year Award</b> presented by: Erika A. Petersen, MD, and Robert Levy, MD, PhD Recipient: Konstantin V. Slavin, MD, FAANS</p> <p><b>3rd Annual Lisa Stearns Legacy Diversity Award</b> presented by: Johnathan Goree, MD Recipient: Michael Esposito, MD</p> <p><b>Clinical Excellence Awards</b> presented by: Dawood Sayed, MD Recipients: Jackie Weisbein, DO and Sean Li, MD</p> <p><b>Educator of the Year Awards</b> presented by: Erika A. Petersen, MD Recipients: Scott G. Pritzlaff, MD, CIPS, FIPP, and Shravani Durbhakula, MD, MPH, MBA</p> <p><b>Innovation and Patient Safety Award</b> presented by: Jason E. Pope, MD Recipient: Christopher J. Gilligan, MD</p> <p><b>Chairman's Armed Forces Service Award</b> presented by: Timothy Deer, MD Recipient: David Reece, DO</p> <p><i>*Not part of the CME program</i></p>	
8:00-9:30P	Americana Lawn	<p><b>ASPEN Miami HEAT - White Tie Charity Reception Sponsored by PainTEQ with DJ Doc</b></p> <p><i>*Not part of the CME program</i></p>	<p>Hosted by: Timothy R. Deer, MD, Dawood Sayed, MD, Natalie Strand, MD, and Jackie Weisbein, DO all attendees invited - \$50 donation requested</p>

Sunday, July 17, 2022			
Time (EDT)	Location	Topic	Speakers
6:30-7:30A	Americana Lawn	ESSEINTRICS® Exercise Class	Alane B. Costanzo, MD
8:30-9:00A		Registration Open and Continental Breakfast	
Theme for the Day			
Ultrasound, Practice Building and Cannabinoids for Chronic Pain Workshops			
9:00A		Welcome Day 3	Timothy R. Deer, MD
9:00-11:30A	Poinciana	<p><b>Ultrasound Guidance for Pain</b></p> <ul style="list-style-type: none"> <li>● Lower extremity</li> <li>● Upper extremity</li> <li>● Torso</li> </ul>	Ali Valimahomed, MD - Chair Amitabh Gulati, MD, Scott G. Pritzlaff, MD, CIPS, FIPP, Victor Silva, MD, Jesus

		<ul style="list-style-type: none"> <li>• Spine</li> </ul>	Medina, MD, and Mansoor M. Aman, MD
9:00-11:30A	Cowrie 1	<p><b>Marketing and Growing Your Practice</b></p> <ul style="list-style-type: none"> <li>• Session 1: Marketing <ul style="list-style-type: none"> <li>○ Robust website <ul style="list-style-type: none"> <li>▪ Videos, articles, blog, SCO</li> </ul> </li> <li>○ Paid ad campaigns and social media</li> <li>○ Other media <ul style="list-style-type: none"> <li>▪ TV, print, radio</li> </ul> </li> </ul> </li> <li>• Session 2: How to manage referral relationships <ul style="list-style-type: none"> <li>○ Immediate communication with referral sources (via phone call or text)</li> <li>○ Develop personal relationships</li> <li>○ Work to obtain 100 provider cell phone numbers in your first 12 months</li> </ul> </li> <li>• Session 3: Leveraging your staff and existing patients <ul style="list-style-type: none"> <li>○ Align goals and incentives for staff</li> <li>○ Employee referral contest</li> <li>○ Refer a friend program</li> <li>○ Leveraging EMR Data</li> </ul> </li> </ul>	Paul Lynch, MD - Chair Myrdalis Diaz-Ramirez, MD, Vincent Galan, MD, MBA, Ali Nairizi, MD, Shachi Patel, MD, Jason C. Rosenberg, MD, Anil K. Sharma, MD, and Dawn A. Sparks, DO
9:00-11:30A	Cowrie 2	<p><b>Cannabinoids for Chronic Pain and Ketamine</b></p> <ul style="list-style-type: none"> <li>• Inhaled whole plant cannabis for treating chronic pain &amp; promoting opioid substitution</li> </ul>	Sue Sisley, MD - Scottsdale Research Institute, Amol Soin, MD, and Yeshvant A. Navalgund, MD
10:00A	Americana 3&4	Exhibitors Please Break Down Exhibits	
11:30A		Sessions Close	

**Acknowledgements:**





American Society of Pain and Neuroscience (ASPAN)

Presents PAIN, 2022

Course Directors:

Timothy R. Deer, MD, Dawood Sayed, MD,

Jason E. Pope, MD, and Erika A. Petersen, MD

Loews Miami Beach Hotel, Miami Beach, Florida | July 14–July 17, 2022

**Agenda**

***Thank you to the ASPAN Scientific Review Committee:***

- Natalie H. Strand, MD
- Christopher M. Lam, MD
- Jonathan M. Hagedorn, MD
- Johnathan Goree, MD
- Morad Nasser, MD
- Alaa Abd-Elseyed, MD, MPH
- David W. Lee, MD
- Karina Gritsenko, MD
- Ashley Bailey-Classen, DO
- Patrick Buchanan, MD

***Chairs:*** Krishnan Chakravarthy, MD, PhD and Kasra Amirdelfan, MD

***ASPAN Annual Planning Committee:***

- Timothy R. Deer, MD
- Dawood Sayed, MD
- Mark N. Malinowski, DO
- Harry P. Sukumaran, MD
- Erika A. Petersen, MD
- Kasra Amirdelfan, MD