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| Legend: | Plenary Session | Special Lecture | Meet the Expert Session and Special Interest Group Breakout Session | Networking Event | Live Demonstrations in U/S | Frontiers in Pain Medicine |
| | Review of Pain Medicine | Topical Seminar | Sponsored Symposium | Exhibit Break/Poster Viewing | Oral Presentations | |

WIP 2018 Program at a Glance






| Wednesday, May 9, 2018 | | | | | | | | | |
|------------------------|---|---|---|---|---|---|-----|-----|-----|
| Day 1 | The Auditorium | The Liffey A | The Liffey B | Wicklow Hall 1 | Wicklow Hall 2 | Liffey Hall 2 | TBD | TBD | TBD |
| 7:30 | Registration Opens | | | | | | | | |
| 09:00-10:30 | | Topical Seminar 1: Migraine and Cluster Headache - Basic and Clinical Aspects Moderator: Adnan Al-Kaisy, UK Mechanisms of Migraine and Cluster Headaches Stephen McMahon, UK Clinical Management of Migraine and Cluster Headaches Giorgio Lamburu, UK | Topical Seminar 2: Current Trends in Ultrasound Medicine Moderator: Amit Gulati, USA Current Trends in Ultrasound Medicine: Innovations in Ultrasound Therapeutics Amit Gulati, USA Current Evidence for Ultrasound Guided Pain Procedures Michael Gofeld, Canada Optimizing Education in Ultrasonography Einar Ottestad, USA | Topical Seminar 3: Non-Opioids for Various Chronic Pain Syndromes: CRPS, Neuropathic Pain; Low Back, Myofascial and Fibromyalgia Moderator: Honorio Benzon, USA Efficacy of Non-Opioids in CRPS Honorio Benzon, USA Non-Opioids for Neuropathic Pain Syndromes Andrea Nicol, USA Non-Opioids for Low Back Pain, Fibromyalgia and Myofascial Syndromes Andrea Nicol, USA | Review of Pain Medicine 1: Joint Pain: Knee, Hip, Shoulder Moderator: Micha Sommer, The Netherlands Knee Joint Pain Anuj Bhatia, Canada Hip Pain Agnes Stogicza, USA Shoulder Pain Micha Sommer, The Netherlands | FIPP Preparatory Course Peter Staats, USA Monique Steegers, The Netherlands Milan Stojanovic, USA | | | |
| 10:30-11:00 | Coffee Break in Foyers, Level 1 & 2 | | | | | | | | |
| 11:00-12:30 | Plenary Session 1: Future Policies for Pain Moderator: Giustino Varrassi, Italy Pain Medicine in the US: A Cautionary Tale John Peppin, USA Improving Quality of Life for People Living with Brain, Mind and Pain Conditions Donna Walsh, Ireland The Societal Impact of Pain Norbert van Rooij, Germany Pushing for Improved Policies Affecting Pain Care Marian Harkin, Ireland | | | | | | | | |
| 12:30-12:45 | Short Break | | | | | | | | |
| 12:45-14:15 | | Sponsored Symposium | | | | | | | |
| 14:15-15:00 | Patrick Wall Lecture - Pharmacological Modulation of Pain Moderator: Gabor Racz, USA Pharmacological Modulation of Pain Anthony Dickenson, UK | | | | | | | | |
| 15:00-15:30 | Coffee Break in Foyers, Level 1 & 2 | | | | | | | | |
| 15:30-17:00 | | Topical Seminar 4: Neuromodulation- Basic Science Mechanisms, HF Burst, DRG-SCS, HD, New Parameters Moderator: Bert Joosten, The Netherlands Basic Science Mechanisms Bert Joosten, The Netherlands Neuromodulation: DRG-SCS Liang Liem, The Netherlands Neuromodulation: New Stimulation Parameters Maarten van Kleef, The Netherlands | Topical Seminar 5: Cancer Pain Interventions: Palliative Care and Ultrasound Guidance Moderator: Kris Viissers, The Netherlands Genomics and Personalized Cancer Pain Treatment Massimo Allegri, Italy Cancer Pain Interventions: Palliative Care Kris Viissers, The Netherlands Cancer Pain Interventions: Ultrasound Amit Gulati, USA | Topical Seminar 6: Perioperative Opioids: From Basic Science to Public Health Moderator: Chad Brummett, USA Opioid Challenges in the Perioperative Setting Eske Aasvang, Denmark Perioperative Opioids: From Basic Science to Public Health Chad Brummett, USA Opioids, the Spinal Cord, and Pain Anthony Dickenson, UK | Review of Pain Medicine 2: Visceral: Cardiac, Pancreatic, Pelvic Moderator: Martine Puylaert, Belgium Angina Pectoris Antal van der Gaag, The Netherlands Pancreatic Pain Martine Puylaert, Belgium Pelvic Pain Philippe Mavrocordatos, Switzerland | Oral Presentations 1: RF, PRF, Pediatric Pain, Neuropathic Pain | | | |
| 17:00-17:15 | Short Break | | | | | | | | |
| 17:15-18:00 | Opening Ceremony | | | | | | | | |
| 18:00 | Welcome Reception in the Exhibition Area | | | | | | | | |


Thursday, May 10, 2018

| Day 2 | The Auditorium | The Liffey A | The Liffey B | Wicklow Hall 1 | Wicklow Hall 2 | Liffey Hall 2 | TBD | TBD | TBD |
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| 07:30-8:00 | | | | | | | Meet the Expert 1  Athina Vadalouca, Greece Pain Registries | Meet the Expert 2  Amit Gulati, USA Complex Cancer Pain | Meet the Expert 3  Jan Van Zundert, Belgium RF and PRF Treatment for Chronic Pain |
| 08:00-09:30 | | Topical Seminar 7: Cancer Pain: Focus on Skeletal and Sympathetic Systems Moderators: Ricardo Plancarte, Mexico; Athina Vadalouca, Greece Interventional Pain Management of Visceral Pain Ricardo Plancarte, Mexico Interventional Pain Management of Bone Metastases Carolina Hernández-Porras, Mexico Physiopathology of Bone Cancer Pain and Future Treatments Juan Miguel Jimenez, Mexico | Topical Seminar 8: Trends and Controversies in Interventional Pain Management of Osteoarthritis Moderator: Michael Gofeld, Canada Comprehensive Anatomy of Joint Innervation: Educational Enigma Anne Agur, Canada Controversies and Opportunities in Minimally-Invasive Management of Osteoarthritis Michael Gofeld, Canada | Topical Seminar 9: Neurobiology of Chronic Opioid Addiction and Prediction Moderator: Martin Cheatle, USA The Neurobiology of Chronic Opioid Addiction Martin Cheatle, USA Chronic Opioid Addiction Prediction Robert Gatchel, USA | Review of Pain Medicine 3: Low Back Pain: Facet, Radicular, Sacroiliac Moderator: Honorio Benzon, USA Low Back Pain - Facet Javier De Andres Ares, Spain Review: Low Back Pain - Radicular Koen Van Boxem, Belgium Sacroiliac Joint Pain Karolina Szadek, The Netherlands | Advances in Pain Medicine - Vagus Nerve and Inflammation; Vagal Nerve Stimulation in Inflammation, Cluster Headache and Migraine Moderator: Peter Staats, USA 1) The Vagus Nerve and Treatment of Inflammatory Diseases; 2) Vagus Stimulation in Migraine and Cluster Headaches Peter Staats, USA Vagal Stimulation in Inflammation: Mechanisms of Action JP Errico, USA | | | |
| 09:30-09:45 | Short Break | | | | | | | | |
| 09:45-11:15 | Plenary Session 2: Access to Pain and Palliative Care Moderator: Eric Krakauer, USA The Lancet Commission on Global Access to Palliative Care and Pain Control: Findings and Recommendations Eric Krakauer, USA Assuring Access to Pain Control for the Global Poor M.R.Rajagopal, India | | | | | | | | |
| 11:15-11:45 | Coffee Break, Exhibition Visit & E-Poster Viewing | | | | | | | | |
| 11:45-13:15 | Topical Seminar 11: Epiduroscopy, Anatomy and Common Low Back Pain Moderator: Hemmo Bosscher, USA Epiduroscopy in the Diagnosis and Treatment of Common Low Back Pain Hemmo Bosscher, USA Advances in Epiduroscopy Jan Willer Kallewaard, The Netherlands Anatomy of the Neural Foramen and Lumbar Epidural Space Miguel Reina, Spain | Topical Seminar 10: Neuromodulation - Peripheral Nerve Stimulation; Neurostimulation for Refractory Headache Moderator: Dominic Hegarty, Ireland Peripheral Nerve Stimulation Dominic Hegarty, Ireland Peripheral Stimulation for Headaches Giorgio Lambriu, UK Occipital Neurostimulation Stefano Palmisani, UK | Review of Pain Medicine 4: Cancer Pain: Prevalence, Pharmacologic, Interventional Treatment Moderator: Milan Stojanovic, USA Cancer Pain Prevalence Johan Haumann, The Netherlands Cancer Pain - Pharmacologic Treatment Bart Morlion, Belgium Interventional Treatments for Cancer Pain Milan Stojanovic, USA | Topical Seminar 12: Beyond Mu Opioids: Novel Opioids and Non-Opioids in Chronic Pain Moderator: Craig Hartrick, USA Opioid Structure Activity Relationships for Mu, Delta, Kappa Agonist and the Basis for Biased Agonism Collette Dooley, USA Role of Gila: Phenotypic Activation with Opioids, Injury, Immobility; and Peripheral Restriction of Non-mu Opioids Craig Hartrick, USA Monoclonal Antibodies in the Treatment of Pain Richard Rauck, USA | | | Oral Presentations 2: Basic Science | | |
| 13:15-15:00 | | | | | | | | | |
| 15:00-15:15 | Break, Exhibition Visit & E-Poster Viewing | | | | | | | | |
| 15:15-16:00 | Prithvi Raj Lecture - Imaging Pain Moderators: James Rathmell, USA; Richard Rauck, USA Imaging Pain Karen Davis, Canada | | | | | | | | |
| 16:00-16:30 | Coffee Break, Exhibition Visit & E-Poster Viewing | | | | | | | | |

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| 16:30-18:00 | | <p>Topical Seminar 13: Neuromodulation - Novel Stimulation Approaches - Vagal, Visceral, Pelvic</p> <p>Moderator: Leonardo Kapural, USA</p> <p>Stimulation for Visceral and Pelvic Pain: Mechanisms of Action Leo Kapural, USA Neuromodulation: Pelvic Stimulation Jose De Andres, Spain Neuromodulation: Visceral Pain Martine Puylaert, Belgium</p> | <p>Topical Seminar 14: Central Sensitization - Mechanisms and Clinical Assessment</p> <p>Moderator: Robert Gatchel, USA</p> <p>Central Sensitization: Historical Overview and Clinical Assessment Robert Gatchel, USA Mechanisms of Central Sensitization Eske Aasvang, Denmark</p> | <p>Topical Seminar 15: Regenerative Medicine: Hip, Knee, Shoulder, Spine</p> <p>Moderator: Aaron Calodney, USA</p> <p>Regenerative Medicine in the Hip Matthew Murphy, USA Regenerative Medicine in the Shoulder Don Buford, USA Regenerative Medicine: Lumbosacral Spine Aaron Calodney, USA Regenerative Medicine in the Knee George C. Chang-Chien, USA</p> | <p>Review of Pain Medicine 5: Head and Facial Pain: Diagnosis and Classification, Trigeminal Neuralgia, Cluster Headache</p> <p>Moderator: Liong Liem, The Netherlands</p> <p>Mechanisms of Migraine and Cluster Headache Miles Day, USA Trigeminal Neuralgia Liong Liem, The Netherlands Cluster Headache Frank Huygen, The Netherlands</p> | <p>Oral Presentations 3: Neuromodulation</p> | | |
| 18:00-18:15 | Short Break | | | | | | | |
| 18:15-19:45 | | Sponsored Symposium | | | | | | |
| 20:00 | WIP Networking Event | | | | | | | |

Friday, May 11, 2018

| Day 3 | The Auditorium | The Liffey A | The Liffey B | Wicklow Hall 1 | Wicklow Hall 2 | Liffey Hall 2 | TBD | TBD | TBD |
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| 7:30-8:00 | | | | | | | <p align="center">Meet the Expert 4</p> <p align="center"></p> <p align="center">Aaron Calodney, USA Richard Rosenthal, USA PRP and Stem Cells in Musculoskeletal Pain</p> | <p align="center">Meet the Expert 5</p> <p align="center"></p> <p align="center">Serdar Erdine, Turkey Trigeminal Neuralgia</p> | <p align="center">Meet the Expert 6</p> <p align="center"></p> <p align="center">Honorio Benzon, USA Safety of Epidural Steroid Injection</p> |
| 08:00-09:30 | <p>Plenary Session 3: FIPP Certification: An International Perspective</p> <p>Moderators: Connail McCrory, Ireland; Philippe Mavrocordatos, Switzerland</p> <p>Pain Board certification: The Swiss Perspective Philippe Mavrocordatos, Switzerland Pain Board certification: The US Perspective James Rathmell, USA</p> | <p>Topical Seminar 16: Recent Advances in Interventional Therapies for CRPS and Refractory Neuropathic Pain</p> <p>Moderator: Anuj Bhatia, Canada</p> <p>Recent Advances in Interventional Therapies for CRPS and Refractory Neuropathic Pain - Ketamine Infusions Anuj Bhatia, Canada Poly-Analgesic Intrathecal Infusions for Refractory CRPS and NP Salim Hayek, USA High Frequency Spinal Cord Stimulation and Dorsal Root Ganglion Stimulation for Refractory CRPS and NP Adnan Al-Kaisy, UK</p> | <p>Live U/S 1: Diagnostic MSK Ultrasound in Pain Practice</p> <p align="center"></p> <p>Michael, Gofeld, Canada Micha Sommer, The Netherlands Amit Gulati, USA Einar Ottestad, USA Agnes Stogicza, USA Mark F. Hurdle, USA Alan Berkman, USA George Chang-Chien, USA</p> | <p>Topical Seminar 17: Epidurolysis and Epiduroscopic Laser Neural Decompression</p> <p>Moderator: Hemmo Bosscher, USA</p> <p>Epidurolysis Ludger Gerdesmeyer, Germany Endoscopic Laser Neural Decompression Daehyun Jo, South Korea</p> | <p>Review of Pain Medicine 6: Neuropathic Pain: Diagnosis and Classification, Postherpetic Neuralgia, Diabetic Polyneuropathy</p> <p>Moderator: Maarten van Kleef, The Netherlands</p> <p>Mechanisms of Migraine and Cluster Headache Charles Argoff, USA Herpes Zoster and Postherpetic Neuralgia Javier De Andres Ares, Spain Diabetic Polyneuropathy Maarten van Kleef, The Netherlands</p> | | | | |
| 09:30-09:45 | Short Break | | | | | | | | |
| 09:45-11:15 | <p>Plenary Session 4: Medicinal Signaling Cells, Minimally Invasive Surgery, Regenerative Medicine</p> <p>Moderator: Richard Rauck, USA; Ricardo Ruiz-Lopez, Spain</p> <p>Medicinal Signaling Cells as Pain Medicine Arnold Caplan, USA Innovations in Minimally Invasive Surgery for Pain Ricardo Ruiz-Lopez, Spain Intra-articular Injection of Autologous Microfragmented Fat in Osteoarthritis Dragan Primorac, Croatia</p> | | | | | | | | |
| 11:15-11:45 | Coffee Break, Exhibition Visit & E-Poster Viewing | | | | | | | | |
| 11:45-13:15 | | <p>Topical Seminar 18: CRPS and Peripheral Inflammatory Pain - Pathogenesis and Biomarkers</p> <p>Moderator: Frank Huygen, The Netherlands</p> <p>Pathogenesis: Chemokines and Pain Stephen McMahon, UK Pain Immunology: The Role of Biomarkers Wim Dik, The Netherlands CRPS and Peripheral Inflammatory Pain: Biomarkers Frank Huygen, The Netherlands</p> | <p>Live U/S 2: Common U/S Guided Procedures in Pain Practice</p> <p align="center"></p> <p>Michael, Gofeld, Canada Micha Sommer, The Netherlands Amit Gulati, USA Einar Ottestad, USA Mark F. Hurdle, USA Agnes Stogicza, USA Alan Berkman, USA George Chang-Chien, USA Sang Chul Lee, South Korea</p> | <p>Topical Seminar 19: Outcomes - Quality Assessment in Pain Research and Pain Centers</p> <p>Moderators: Athina Vadalouca, Greece; Philippe Mavrocordatos, Switzerland</p> <p>A National Quality Registration for the Assessment of Chronic Pain Care Nelleke de Meij, The Netherlands Quality Assessment: Pain Research Sander van Kuijk, The Netherlands</p> | <p>Review of Pain Medicine 7: Neck Pain: Facet, Radicular, and Occipital Neuralgia</p> <p>Moderator: Jan van Zundert, Belgium</p> <p>Cervical Facet Pain Maarten van Eerd, The Netherlands Cervical Radicular Pain Jan van Zundert, Belgium Review: Occipital Neuralgia Nagy Mekhail, USA</p> | <p>Epiduroscopy Consensus Group: An Open Discussion</p> <p>Moderator: Hemmo Bosscher, USA</p> <p>Jan Willer Kallewaard, The Netherlands Daehyun Jo, South Korea Jose De Andres, Spain Stefano Palmisani, UK</p> | | | |
| | Break, Exhibition Visit & E-Poster Viewing | | | | | | | | |
| 13:15-15:00 | | Sponsored Symposium | | | | | | | |
| 15:00-15:15 | Short Break | | | | | | | | |

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| 15:15-16:00 | <p>John Bonica Lecture - Pain Neurobiology and GABA</p> <p>Moderators: Maarten Van Kleef, The Netherlands; Kris Viissers, The Netherlands</p> <p>Pain Neurobiology and GABA Allan Basbaum, USA</p> | | | | | | |
| 16:00-16:30 | Coffee Break, Exhibition Visit & E-Poster Viewing | | | | | | |
| 16:30-18:00 | | <p>Topical Seminar 20: Neuromodulation for Focal Neuropathies</p> <p>Moderator: Nagy Mekhail, USA</p> <p>The Horizon for Painful Neuropathies Nagy Mekhail, USA</p> <p>Peripheral Polyneuropathy: A Review of Burden of Illness, Treatment Options, and a Critical Review of Clinical Evidence Charles Argoff, USA</p> <p>Chronic Neuropathic Pain after Surgery: An Overlooked but Common Cause of Pain Julie Bruce, UK</p> | <p>Regenerative Medicine Workshop</p> <p></p> <p>Aaron Calodney, USA George C. Chang-Chien, USA Don Buford, USA Richard Rosenthal, USA Michael Gofeld, Canada Matthew Murphy, USA Agnes Stolicza, USA</p> | <p>Topical Seminar 21: Pivotal Role of GABA in Neuropathic Pain (Transplantation, Optogenetics and Gating Role; GABA Release and SCS)</p> <p>Moderator: Bert Joosten, The Netherlands</p> <p>Transplantation of GABA-ergic Cells in the Dorsal Horn Allan Basbaum, USA</p> <p>Integration of Nociceptive Signals in Dorsal Root Ganglion: Unexpected Role of GABA Nikita Gamper, UK</p> <p>SCS and Modulation of the GABA Release in DH Bert Joosten, The Netherlands</p> | <p>Review of Pain Medicine 8: Postoperative Pain and the Transition from Acute to Chronic Pain</p> <p>Moderator: Magdi Iskander, Egypt</p> <p>Current Postoperative Pain Management: A Brief Overview Miles Day, USA</p> <p>Transition from Acute to Chronic Pain Patricia Lavand'homme, Belgium</p> | <p>Oral Presentations 4: Spinal Cord Stimulation</p> | |
| 18:00 -18:30 | | | | | | | |

