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**2021 PNS Annual Meeting**  
12-13 June / 25-27 June
On behalf of the Peripheral Nerve Society, please let me welcome you to the 2021 Annual Meeting – Virtually Anywhere.

The PNS Annual Meeting continues to be the premier meeting for learning about advances in peripheral neuropathy and peripheral nerve biology. The Program Committee has organized a spectacular virtual meeting with the traditional mixture of carefully selected plenary lectures, oral platforms, and oral posters, as well as symposia that were organized by the special interest groups — Charcot-Marie-Tooth and Related Neuropathies Consortium (CMTR), the Inflammatory Neuropathy Consortium (INC), the International Diabetes Neuropathy Consortium (IDNC), Neuropathic Pain Consortium (NPC) and the Toxic Neuropathy Consortium (TNC). We will also continue the innovative clinical science highlights session on Sunday, 27 June.

New this year, we are hosting coffee chat discussions on a variety of topics of interest to PNS Members and guided poster hall tours. Participation in the coffee chats and poster hall tours is first come, first serve and limited to 50 people. Please arrive early to guarantee your spot. We look forward to you being part of it.

Please join us for our Kick Off Event, which will feature a compilation of videos from PNS Members around the globe. We also invite our Junior Members to take part in the Education Course and Career Development Lunch on Saturday, 12 June.

I encourage all of you also to attend the PNS Annual General Meeting on Saturday, 26 June at 11:30 EDT (US and Canada). Your input is valuable, as we discuss the current business and the future of the PNS.

I want to personally thank especially the Scientific Program Committee, PNS Board, staff, our sponsors and everyone who has generously donated their time and efforts to put together the outstanding program of the meeting. I very much hope you will enjoy the 2021 PNS Annual Meeting – Virtually Anywhere, and hope to see you there.

Pieter van Doorn, MD, PhD
President, Peripheral Nerve Society
OFFICERS

Pieter Van Doorn, MD, President, Erasmus MC University Medical Center, Rotterdam, Netherlands
Richard Lewis, MD, President-Elect, Cedars-Sinai, Los Angeles, CA, USA
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Hugh Willison, MD, PhD, University of Glasgow, Glasgow, UK

CHARCOT-MARIE-TOOTH AND RELATED NEUROPATHIES CONSORTIUM REPRESENTATIVE
Michael Shy, MD, University of Iowa, Carver College of Medicine, Iowa City, Iowa, USA

INFLAMMATORY NEUROPATHY CONSORTIUM REPRESENTATIVE
Peter Van den Bergh, MD, PhD, FEAN, FAAN, University Hospitals St-Luc, Brussels, Belgium

INTERNATIONAL DIABETES NEUROPATHY CONSORTIUM REPRESENTATIVE
James Russell, MD, University of Maryland School of Medicine, Baltimore, MD, USA

NEUROPATHIC PAIN CONSORTIUM REPRESENTATIVE
Daniela Maria Menichella, MD, PhD, Northwestern University, Chicago, IL, USA

TOXIC NEUROPATHY CONSORTIUM REPRESENTATIVE
Guido Cavaletti, MD, University of Milano-Bicocca, Monza (l), Milan, Italy

JPNS EDITOR IN CHIEF
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BOARD ADVISOR
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JUNIOR COMMITTEE REPRESENTATIVE
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PNS LEADERSHIP AND PROGRAM ORGANIZERS

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Jeffrey Allen, MD, University of Minnesota Health, Minneapolis, MN, USA
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Ruth Huizinga, PhD, Erasmus MC University Medical Center, Rotterdam, Netherlands
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Daniela Menichella, MD, PhD, Northwestern University, Chicago, IL, USA
Kathryn Moss, PhD, Johns Hopkins University, Baltimore, MD, USA
Davide Pareyson, MD, Carlo Besta Neurological Institute IRCCS Foundation, Milan, Italy
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James Russell, MD, University of Maryland School of Medicine, Baltimore, MD, USA
Steven Scherer, MD, PhD, The University of Pennsylvania, Philadelphia, PA, USA
Nortina Shahrizaila, MD, PhD, University Malaya Medical Centre, Kuala Lumpur, Malaysia
Michael Shy, MD, University of Iowa, Carver College of Medicine, Iowa City, Iowa, USA
Pieter van Doorn, MD, PhD, Erasmus MC University Medical Center, Rotterdam, Netherlands
Luuk Wieske, MD, PhD, Amsterdam University, Amsterdam, Netherlands

JUNIOR COMMITTEE
Luuk Wieske, MD, PhD, Chair, Amsterdam University, Amsterdam, Netherlands
Kathryn Moss, PhD, Vice Chair, Johns Hopkins University, Baltimore, MD, USA
Vera Fridman, MD, University of Colorado Anschultz Medical Campus, Aurora, CO, USA
Rhona McGonigal, PhD, University of Glasgow, Glasgow, UK
Oranee Sanmaneechai, MD, Siriraj Hospital, Mahidol University, Bangkok, Thailand
Amro Stino, MD, University of Michigan, Ann Arbor, MI, USA
Yuzhong Wang, MD, Affiliated Hospital of Jining Medical University, Jining, China

PRIZE COMMITTEE
Christopher Gibbons, MD, MMSc, Co-Chair, Beth Israel Deaconess Medical Center, Harvard Medical School, Boston, MA, USA
Ruth Huizinga, PhD, Co-Chair, Erasmus MC University Medical Center, Rotterdam, Netherlands
Andreas Argyriou, MD, DSc, Saint Andrew’s General Hospital, Patras, Greece
Thomas Harbo, MD, PhD, Aarhus University Hospital, Copenhagen, Denmark
Marina Kennerson, BSc, MSc, PhD, ANZAC Research Institute, Concord, Australia
Cheryl Stucky, PhD, Medical College of Wisconsin, Milwaukee, WI, USA
Doug Wright, PhD, University of Kansas Medical Center, Kansas City, KS, USA
We invite you to join the Peripheral Nerve Society (PNS). The Society is dedicated to improving the lives of people with peripheral neuropathies throughout the world. Becoming a member of PNS means collaborating with prominent global professionals in the field to develop and provide the best treatments for people with peripheral nerve diseases and setting standards of care within the field. PNS provides annual meetings, in-person and online teaching courses, guidelines, and other resources to aid in the education of members.

Membership in the Peripheral Nerve Society is open to any professional with interest in disorders of the peripheral nervous system. Our membership includes clinicians, academicians, basic and clinical scientists, members of industry and representatives from neuropathy organizations.

**MEMBERSHIP BENEFITS:**

- Online subscription to *Journal of the Peripheral Nervous System (JPNS)*
- On-Demand Education Center Access
- Online Communities Forum Access
- PNS Membership Directory Access
- Member Only Job Postings
- Special Interest Group Memberships
- Volunteer & Leadership Opportunities
- Discounted Meeting & Event Registration Rates

Visit [www.PNSociety.com](http://www.PNSociety.com) for information on membership dues categories, rates, and to join today. Please note, PNS extends a membership discount to those joining the PNS from low-income and middle-income economies (GNI per capita of $12,535 or less).
The Peripheral Nerve Society (PNS) was founded in 1994 from two groups of academic investigators, Peripheral Nerve Study Group and Peripheral Neuropathy Association of America, interested in the basic biology and function of the peripheral nervous system and its application to the clinic. Their invite-only, biennial meetings involved 80-125 attendees in cloistered settings organized by shoestring and local initiative. From this, we have grown remarkably. We now have an annual meeting of over 1000 people including meetings within the meeting for the special interest groups in inflammatory, diabetic, toxic, pain, and hereditary neuropathy. With this substantial growth and the success of JPNS, the Journal of the Peripheral Nervous System, the Society continues to flourish. Please click here to view past meetings of the PNS.

Please participate in our future by joining the PNS, volunteering for a project aligned with your interests and sending your ideas for the future to the Executive Office, or a Board Member.

CONTACT US
info@PNSociety.com | www.PNSociety.com | +1-952-545-6284

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akindseth@PNSociety.com

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Meetings & Strategic Partnership Director
meetings@PNSociety.com

Glenn Stanley
Education & Communications Specialist
info@PNSociety.com
** All times listed in EDT (US & Canada)
Start time: 6.00 PDT | 8.00 CDT | 9.00 EDT | 14.00 BST | 15.00 CEST | 21.00 CST | 23.00 AEST

PROGRAM AT A GLANCE

SATURDAY 12 JUNE 2021

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>9.00</td>
<td><strong>Welcome Address</strong></td>
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<tr>
<td>9.00</td>
<td>Pieter van Doorn, MD, PhD, PNS President</td>
</tr>
<tr>
<td>9.10</td>
<td><strong>Peripheral Pain Processing</strong></td>
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<td>9.10</td>
<td>Stephen McMahon, PhD</td>
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<tr>
<td>9.50</td>
<td><strong>Peripheral Neuropathy in Complex Genetic Diseases: Approach to Diagnosis</strong></td>
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<td>9.50</td>
<td>Alex Rossor, PhD, MBBS, MRCP</td>
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<tr>
<td>10.30</td>
<td><strong>The Node of Ranvier: Latest and Breaking News</strong></td>
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<td>10.30</td>
<td>Jérôme Devaux, PhD</td>
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<tr>
<td>11.10</td>
<td><strong>Established and Emerging Outcome Measures for Hereditary Neuropathy</strong></td>
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<tr>
<td>11.10</td>
<td>Michael Shy, MD</td>
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<tr>
<td>12.00-13.00</td>
<td><strong>Career Development Lunch</strong></td>
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<td>PRE-REGISTRATION REQUIRED</td>
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<tr>
<td>13.00-13.10</td>
<td><strong>Break</strong></td>
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<tr>
<td>13.10</td>
<td><strong>Mechanisms in Diabetic Neuropathy: An Update</strong></td>
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<tr>
<td>13.10</td>
<td>Eva Feldman, MD</td>
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<tr>
<td>13.50</td>
<td><strong>Arbovirus Infections and the Peripheral Nervous System</strong></td>
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<tr>
<td>13.50</td>
<td>Sonja Leonhard, MD, PhD Candidate</td>
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<tr>
<td>14.30</td>
<td><strong>Clinical Case Presentations</strong></td>
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SUNDAY 13 JUNE 2021

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<th>Time</th>
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<tr>
<td>9.00-9.30</td>
<td><strong>Coffee Chats</strong> NETWORKING EVENT</td>
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<tr>
<td>9.30-10.00</td>
<td><strong>PNS Kick-Off Event</strong></td>
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<td>10.00-15.00</td>
<td><strong>Special Interest Group (SIG) Concurrent Sessions</strong></td>
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CHARCOT-MARIE-TOOTH & RELATED NEUROPATHIES CONSORTIUM (CMTR)

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<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>10.00</td>
<td><strong>Welcome</strong></td>
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<tr>
<td>10.00</td>
<td>Michael Shy, MD, CMTR Chair</td>
</tr>
<tr>
<td>10.05</td>
<td><strong>Molecular Targets and Biomarkers in Inherited Peripheral Neuropathies</strong></td>
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<tr>
<td>10.05</td>
<td>Rita Horvath, MD, PhD</td>
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<tr>
<td>10.35</td>
<td><strong>Regulation of Axon Stability by Metabolic Coupling to Schwann Cells</strong></td>
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<tr>
<td>10.35</td>
<td>Bogdan Beirowski, MD, PhD</td>
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<tr>
<td>11.05</td>
<td><strong>The Identification and Clinical Spectrum of RFC1 and Other Expansions Associated with Inherited Neuropathies</strong></td>
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<tr>
<td>11.05</td>
<td>Henry Houlden, MD, PhD</td>
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<tr>
<td>11.35</td>
<td><strong>Familial Amyloid Polyneuropathy</strong></td>
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<td>11.35</td>
<td>Márcia Waddington-Cruz, MD, PhD</td>
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<tr>
<td>12.05</td>
<td><strong>Closing Remarks</strong></td>
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<tr>
<td>12.05</td>
<td>Michael Shy, MD, CMTR Chair</td>
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INTERNATIONAL DIABETES NEUROPATHY CONSORTIUM (IDNC)

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<th>Time</th>
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<tbody>
<tr>
<td>10.00</td>
<td><strong>Welcome</strong></td>
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<tr>
<td>10.00</td>
<td>James Russell, MD, IDNC Chair</td>
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<tr>
<td>10.05</td>
<td><strong>Using RNA Sequencing on Human Peripheral Nerves to Understand Mechanisms Driving Painful Neuropathies</strong></td>
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<td>10.05</td>
<td>Theodore Price, PhD</td>
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<tr>
<td>10.50</td>
<td><strong>Sodium Channelopathies in Painful Small Fiber and in Painful Diabetic Peripheral Neuropathy</strong></td>
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<td>10.50</td>
<td>Catharina Faber, MD, PhD</td>
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<tr>
<td>11.35</td>
<td><strong>Oral Poster Presentations</strong></td>
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<tr>
<td>12.05</td>
<td><strong>Closing Remarks</strong></td>
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<tr>
<td>12.05</td>
<td>James Russell, MD, IDNC Chair</td>
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TOXIC NEUROPATHIES CONSORTIUM (TNC)

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<tbody>
<tr>
<td>10.00</td>
<td><strong>Welcome</strong></td>
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<tr>
<td>10.00</td>
<td>Guido Cavaletti, MD, TNC Chair</td>
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<tr>
<td>10.05</td>
<td><strong>Metabolomics: A Tool for Neurological Research</strong></td>
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<tr>
<td>10.05</td>
<td>Debra J. Skene, PhD</td>
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<tr>
<td>10.35</td>
<td><strong>Chemotherapy-Induced Peripheral Neuropathy (CIPN): Characteristics, Patterns and Outcomes Across the Lifespan</strong></td>
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<tr>
<td>10.35</td>
<td>Ellen Lavoie Smith, PhD, MSN, RN, AOCN(R), FAAN</td>
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<tr>
<td>11.05</td>
<td><strong>Debate – Different Perceptions of CIPN</strong></td>
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<td>11.05</td>
<td>Ahmet Hoke, MD, PhD</td>
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<td>11.05</td>
<td>Karin Jordan, MD</td>
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<td>12.05</td>
<td><strong>Closing Remarks</strong></td>
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<tr>
<td>12.05</td>
<td>Guido Cavaletti, MD, TNC Chair</td>
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INFLAMMATORY NEUROPATHY CONSORTIUM (INC)

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<tr>
<td>12.45</td>
<td><strong>Welcome</strong></td>
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<tr>
<td>12.45</td>
<td>Peter Van den Bergh, MD, PhD, FEAN, FAAN, INC Chair</td>
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<tr>
<td>12.50</td>
<td><strong>Update on Neuralgic Amyotrophy</strong></td>
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<tr>
<td>12.50</td>
<td>Nens van Alfen, MD, PhD</td>
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<tr>
<td>13.20</td>
<td><strong>The Role of Fc Receptors in Inflammatory Neuropathy: Emerging Targets for Novel Therapies</strong></td>
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<tr>
<td>13.20</td>
<td>Kazim Sheikh, MD</td>
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<tr>
<td>13.50</td>
<td><strong>Pathology of Early Guillain-Barré Syndrome</strong></td>
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<td>13.50</td>
<td>Jose Berciano, PhD</td>
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<tr>
<td>14.20</td>
<td><strong>Beyond Immunoglobulin and Steroids in CIDP: What Can We Learn from Other Diseases?</strong></td>
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<td>14.20</td>
<td>Stephen W. Reddel, PhD</td>
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<td>14.50</td>
<td><strong>Closing Remarks</strong></td>
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<tr>
<td>14.50</td>
<td>Peter Van den Bergh, MD, PhD, FEAN, FAAN, INC Chair</td>
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## PROGRAM AT A GLANCE

**SUNDAY 13 JUNE 2021 (cont.)**

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<tr>
<th>Time</th>
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<tbody>
<tr>
<td>12.45</td>
<td>Welcome</td>
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<tr>
<td></td>
<td>Daniela Menichella, MD, PhD, NPC Chair</td>
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<tr>
<td>12.50</td>
<td>Human iPSC-derived Sensory Neurons to Study Painful Peripheral Neuropathy</td>
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<td>Angelika Lampert, MD</td>
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<td>13.35</td>
<td>Neuropathic Pain Development in the Aged</td>
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<td>Michael Burton, PhD</td>
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<tr>
<td>14.20</td>
<td>Oral Poster Presentations</td>
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<td>14.50</td>
<td>Closing Remarks</td>
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<td>Daniela Menichella, MD, PhD, NPC Chair</td>
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**FRIDAY 25 JUNE 2021**

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<td>9.00-9.30</td>
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<tr>
<td>9.30-10.00</td>
<td>Peter J Dyck Lecture</td>
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<tr>
<td></td>
<td>Mechanisms of Cutaneous Pain Sensation</td>
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<td>Michael Caterina, MD, PhD</td>
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<tr>
<td>10.00-11.30</td>
<td>Platform Session I</td>
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<tr>
<td>11.30-12.00</td>
<td>Break</td>
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<tr>
<td>12.00-12.30</td>
<td>Richard Bunge Lecture</td>
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<td>Signals to Schwann Cells During Myelination and Peripheral Neuropathies</td>
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<td>Laura Feltri, MD</td>
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<tr>
<td>12.30-13.00</td>
<td>Oral Poster Session I</td>
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<td>13.00-14.00</td>
<td>Guided Poster Hall Tours</td>
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**SATURDAY 26 JUNE 2021**

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<tr>
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<td>Arthur K Asbury Lecture</td>
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<td>Antisense Therapies for Neurological Diseases</td>
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<td></td>
<td>Frank Bennett, PhD</td>
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<tr>
<td>10.00-11.30</td>
<td>Platform Session II</td>
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<tr>
<td>11.30-12.00</td>
<td>PNS Annual General Meeting</td>
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<tr>
<td></td>
<td>(all are welcome)</td>
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<tr>
<td>12.00-12.30</td>
<td>Jack Griffin Lecture</td>
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<tr>
<td></td>
<td>The Molecular Mechanism of Axon Degeneration: SARM1 as a Druggable Target for the Prevention of Peripheral Neuropathy</td>
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<td>Aaron Diantonio, MD, PhD</td>
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<tr>
<td>12.30-13.00</td>
<td>Oral Poster Session II</td>
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<td>13.00-14.00</td>
<td>Guided Poster Hall Tours</td>
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**SUNDAY 27 JUNE 2021**

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<td>9.00-9.30</td>
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<tr>
<td>9.30-10.00</td>
<td>PK Thomas Lecture</td>
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<tr>
<td></td>
<td>Genetics of Hereditary Spastic Paraplegia — Overlap Between Central and Peripheral Axonopathies</td>
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<td></td>
<td>Rebecca Schüle, MD</td>
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<td>10.00-11.30</td>
<td>Platform Session III</td>
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<td>11.30-12.00</td>
<td>Break</td>
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<tr>
<td>12.00-12.30</td>
<td>Pembroke Lecture</td>
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<td>Primary Mitochondrial Neuropathies</td>
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<td></td>
<td>Michio Hirano, MD</td>
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<tr>
<td>12.30-14.00</td>
<td>Richard A.C. Hughes Session</td>
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<td>Clinical Science Highlights</td>
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<td>14.00-14.30</td>
<td>Awards Ceremony &amp; Closing Remarks</td>
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<td></td>
<td>Richard Lewis, MD, PNS President-Elect</td>
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</table>

**PROGRAM AT A GLANCE**

**All times listed in EDT (US & Canada)**
Start time: 6.00 PDT | 8.00 CDT | 9.00 EDT | 14.00 BST | 15.00 CEST | 21.00 CST | 23.00 AEST
GENERAL INFORMATION

TECHNICAL SUPPORT

PNS HOTLINE:
+1 (443) 640-6926
Saturday, 12 June 8.00-16.00 EDT (US & Canada)
Sunday, 13 June 8.00-15.00 EDT (US & Canada)
Friday, 25 June 8.00-14.00 EDT (US & Canada)
Saturday, 26 June 8.00-14.00 EDT (US & Canada)
Sunday, 27 June 8.00-14.00 EDT (US & Canada)

GENERAL TECHNICAL SUPPORT:
+1 (410) 638-9239
Monday - Friday, 9.00-21.00 EDT (US & Canada)

CERTIFICATE OF ATTENDANCE
Your certificate will be emailed to you after the meeting with the program evaluation form.

SPEAKER READY & GREEN ROOMS
All speakers must join the virtual speaker ready or ‘green room’ 30-minutes prior to your presentation start time. The production team will perform a quick tech check and provide a link to join your live stream channel. Contact meetings@PNSociety.com if you do not receive the link to the speaker ready room the week of your presentation.

Note: All speaker designations and affiliations have been listed in the program, as submitted by the presenter.

ATTENDEE MESSAGE BOARD
We encourage attendees to interact and network with one another throughout the conference via the attendee message board. Here is how the attendee message board works.

1. The messages sent through the attendee popup message board are private between the two attendees.
2. When an attendee receives a chat message, a badge notification displays on the ‘networking’ card on the My Experience page.
3. Attendees may filter the attendee list page by name, organization, or geographical location to only display other attendees their are chatting with.

MY EXPERIENCE PAGE
Visit the ‘My Experience’ page to update your profile, to view important technical support information or conduct a system check. This is also where you may view those attendees, sessions, posters, and/or exhibit booths you have marked as a favorite.
GENERAL INFORMATION

Share your excitement about the PNS Annual Meeting using #PNS2021 on Twitter and Facebook.

VIRTUAL EXHIBIT HALL
Please visit our virtual exhibit hall to interact via instant message and video chat with our exhibitors. Please note, some exhibitors are only available by direct message and are not participating in video chat. While there are not assigned exhibit hours, exhibitors have been asked to be available during program breaks.

VIRTUAL POSTER HALL GALLERY & GUIDED TOURS
The virtual poster hall gallery is open throughout the dates of the meeting. Visit the gallery to view posters on display and chat with the authors. New this year, the PNS will host Guided Virtual Poster Hall Tours. Two senior tour guides will facilitate the discussion for each poster tour. Tour participation is first come, first serve, and limited to 50 participants per tour. Arrive early to guarantee a spot. The goal of the Guided Virtual Poster Hall Tours is to increase interaction amongst meeting delegates and find commonalities among posters representing cross-specialties of peripheral neuropathy.

COFFEE CHATS
New this year, the PNS will host ‘Coffee Chat’ networking events on a variety of topics of interest to PNS Members. Participation is first come, first serve, and limited to 50 participants per chat room. Arrive early to guarantee a spot.

PNS’ DISCLAIMER POLICY
The primary purpose of the Annual Meeting and the PNS On-Demand Education Center is to meet the educational needs of its members and address practice gaps by providing practice-oriented and scientifically based educational activities that will maintain and advance competence and performance in the field of peripheral nerve. A diversity of opinions exists in the medical field and the views of the Annual Meeting faculty do not represent those of the PNS or constitute endorsement by the PNS. The PNS disclaims any and all liability for the claims that may result from the use or non-use of information, publications, therapies, and/or services discussed at the Annual Meeting.

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We thank the generosity of our sponsors and exhibitors. This program would not be possible without their support.

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PATIENT ADVOCACY GROUPS (PAGS)

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![CMT Research Foundation Logo]  
![European CMT Federation Logo]  
![European Neuro Muscular Centre Logo]  
![GBS CIDP Foundation International Logo]

INDUSTRY SPONSORED SYMPOSIA

We invite you to join each of our Annual Partner’s for their industry sponsored symposium. Please register online by visiting [www.PNSociety.com](http://www.PNSociety.com).

- Pfizer Symposium: 28 June 2021 at 11.00 EDT (US and Canada)
- Takeda Symposium: 14 September 2021 at 11.00 EST (US and Canada)
- Grifols Symposium: 2 November 2021 at 11.00 EST (US and Canada)
Welcome Address
Pieter van Doorn, MD, PhD
PNS President

Education Course
Chairs: Rhona McGonigal, PhD, University of Glasgow, Glasgow, UK and Vera Fridman, MD, University of Colorado Anschultz Medical Campus, Aurora, CO, USA

Peripheral Pain Processing
Stephen McMahon, PhD
Kings College London, London, United Kingdom

Peripheral Neuropathy in Complex Genetic Diseases: Approach to Diagnosis
Alexander Rossor, PhD, MBBS, MRCP
Queen Square Institute of Neurology, University College London, London, United Kingdom

The Node of Ranvier: Latest and Breaking News
Jérôme Devaux, PhD
Institute de Neurosciences de Montpellier, U1051 INSERM, Montpellier, France

Established and Emerging Outcome Measures for Hereditary Neuropathy
Michael Shy, MD
Carver College of Medicine, University of Iowa, Iowa City, Iowa, USA

Career Development Lunch (PRE-REGISTRATION REQUIRED)
Hosted by the PNS Junior Committee, the goal of this event is to provide PNS Junior Members with an opportunity to virtually discuss funding opportunities, career paths, and more in a small group setting with senior experts in the peripheral nerve field. Please click here to register.
PROGRAM – SATURDAY 12 JUNE 2021

13.10-14.30 Education Course continued

Chairs: Luuk Wieske, MD, PhD, Amsterdam University, Amsterdam, Netherlands and Kathryn Moss, PhD, Johns Hopkins School of Medicine, Baltimore, Maryland, USA

13.10 Mechanisms in Diabetic Neuropathy: An Update
Eva Feldman, MD, PhD
University of Michigan Department of Neurology Ann Arbor, Michigan, USA

13.50 Arbovirus Infections and the Peripheral Nervous System
Sonja E. Leonhard, MD, PhD Candidate
Erasmus MC, Rotterdam, The Netherlands

14.30-16.00 Clinical Case Presentations

Chairs: Luuk Wieske, MD, PhD, Amsterdam University, Amsterdam, Netherlands and Kathryn Moss, PhD, Johns Hopkins School of Medicine, Baltimore, Maryland, USA

14.30 A Rare Cause of Mononeuropathy Multiplex
Timothy Fullam, MD, The University of Kansas Medical Center, Kansas City, Kansas, USA

Eduardo Uchôa Cavalcanti, MD, MSc, Rede Sarah - Unidade Lago Norte, Brasilia, Brazil

15.00 Acute Flaccid Paralysis: Consider Tick-Borne Encephalitis Virus, Even In Non-Endemic Regions
Jonathan De Winter, MD, University of Antwerp, Edegem, Belgium

15.15 Novel Variant in DNMT1 Responsible for an Overlapping Cerebellar and Sensory Neuropathy Phenotype
Poornima Jayadev Menon, Tallaght University Hospital, Dublin, Ireland

15.30 Defective Vestibular Function may Contribute to Severe Sensory Ataxia in PMP22-related Congenital Peripheral Hypomyelination
Alberto Zambon, Dubowitz Neuromuscular Centre, UCL Great Ormond Street Institute of Child Health, London, United Kingdom

15.45 Antibodies Targeting Both Caspr1 and CNTN1 in Two CIDP Patients
Elba Pascual-Goñi, MD, Hospital de la Santa Creu i Sant Pau, Barcelona, Spain
9.00-9.30 **Coffee Chats** (Limited to 50 participants per chat room. First come, first serve.)

- **9.00** **NPC Open Forum**
  *Room Host:* Daniela M. Menichella, MD, PhD, Northwestern University, Chicago, IL, USA

- **9.00** **INC Business Open Forum (GBS|CIDP Foundation International, IMAGINE, INCbase, IGOS)**
  *Room Hosts:* Lisa Butler, GBS | CIDP Foundation International, Conshohocken, PA, USA; Filip Eftimov, MD, PhD, University of Amsterdam, Amsterdam, Netherlands; Bart Jacobs, MD, Erasmus MC University Medical Center, Rotterdam, Netherlands; Tatiana Hamadeh, PhD, Maastricht University Medical Centre, Maastricht, Netherlands

- **9.00** **Poster Presentation Tips**
  *Room Hosts:* Luuk Wieske, MD, PhD, Amsterdam University, Amsterdam, Netherlands and Kathryn Moss, PhD, Johns Hopkins School of Medicine, Baltimore, Maryland, USA

- **9.00** **Basic Science in the PNS**
  *Room Hosts:* Jérôme Devaux, PhD, Institute de Neurosciences de Montpellier, U1051 INSERM, Montpellier, France and Nicolas Tricaud, PhD, Institute de Neurosciences de Montpellier, U1051 INSERM, Montpellier, France

- **9.00** **Diabetes Mellitus and Lumbosacral Radiculoplexus Neuropathies**
  *Room Host:* James B. Dyck, MD, Mayo Clinic, Rochester, MN, USA

**9.30-10.00** **PNS Kick-Off Event**
Please join us for this fun community building event, which will showcase video messages from PNS Members around the globe.

**10.00-12.15** SPECIAL INTEREST GROUP (SIG) CONCURRENT SESSIONS

**10.00-12.15** **CHARCOT-MARIE-TOOTH & RELATED NEUROPATHIES CONSORTIUM (CMTR)**

- **10.00** **Welcome**
  *Michael Shy, MD*
  
  **CMTR Chair, University of Iowa, Carver College of Medicine, Iowa City, IA, USA*
PROGRAM – SUNDAY 13 JUNE 2021

10.05 Invited Speakers
Chairs: Michael Shy, MD, CMTR Chair, University of Iowa, Carver College of Medicine, Iowa City, IA, USA and Stephan Zuchner, MD, PhD, University of Miami, Miami, FL, USA

10.05 Molecular Targets and Biomarkers in Inherited Peripheral Neuropathies
Rita Horvath, MD, PhD
Department of Clinical Neurosciences, University of Cambridge, Cambridge, Cambridgeshire

10.35 Regulation of Axon Stability by Metabolic Coupling to Schwann Cells
Bogdan Beirowski, MD, PhD
Hunter James Kelly Research Institute, Jacobs School of Medicine and Biomedical Sciences, SUNY Buffalo, Buffalo, New York, USA

11.05 The Identification and Clinical Spectrum of RFC1 and Other Expansions Associated with Inherited Neuropathies
Henry Houlden, MD, PhD
UCL Institute of Neurology, London, United Kingdom

11.35 Familial Amyloid Polyneuropathy
Márcia Waddington-Cruz, MD, PhD
Federal University of Rio de Janeiro. University Hospital.CEPARM, Rio de Janeiro, Brazil

12.05 Closing Remarks
Michael Shy, MD, CMTR Chair, University of Iowa, Carver College of Medicine, Iowa City, IA, USA

12.15-12.45 Break
PROGRAM – SUNDAY 13 JUNE 2021

10.00-12.15 INTERNATIONAL DIABETES NEUROPATHY CONSORTIUM (IDNC)

10.00 Welcome
James Russell, MD
IDNC Chair, University of Maryland School of Medicine, Baltimore, MD, USA

10.05 Invited Speakers
Chairs: Daniela Maria Menichella, MD, PhD, Northwestern University, Chicago, IL, USA and Rob Singleton, MD, The University of Utah, Salt Lake City, UT, USA

10.05 Using RNA Sequencing on Human Peripheral Nerves to Understand Mechanisms Driving Painful Neuropathies
Theodore Price, PhD
University of Texas at Dallas, Dallas, Texas, USA

10.50 Sodium Channelopathies in Painful Small Fiber and in Painful Diabetic Peripheral Neuropathy
Catharina Faber, MD, PhD
Maastricht University Medical Centre, Maastricht, Netherlands

11.35 Oral Poster Presentations
Chairs: Amanda Peltier, MD, Vanderbilt University Medical School, Brentwood, TN, USA and James Russell, MD, IDNC Chair, University of Maryland School of Medicine, Baltimore, MD, USA

11.35 Decreased Distribution of Microvessels in Sweat Glands in Diabetic Skin Biopsy
Ying Liu, Baltimore, MD, USA

11.40 Sensory and Innervation Deficits Reversed by a Ketogenic Diet in Mice with Type 1 Diabetes
Jonathan Enders, University of Kansas Medical Center, Kansas City, KS, USA

11.45 Genetic Evidence for the Most Common Risk Factors of Chronic Axonal Polyneuropathy in the General Population
Noor Taams, MD, Erasmus University Medical Center, Rotterdam, Netherlands

11.50 Current Interventions for Diabetic Peripheral Neuropathy: Do They Reduce Fall Risk? A Systematic Review
Nesreen Alissa, PT, MS, University of Maryland, Baltimore, Baltimore, MD, USA
### PROGRAM – SUNDAY 13 JUNE 2021

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<tr>
<th>Time</th>
<th>Session</th>
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| 11.55 | Monitoring of in Vivo Inflammation Reveals PNS Caspase-1 Mediated Inflammatory Response in Western Diet Fed Rodents  
Raiza Bonomo, Loyola University Chicago, Maywood, IL, USA |
| 12.00 | Role of Macrophage Monocarboxylate Transporter 1 (MCT1) in Diabetic Peripheral Neuropathy  
Atul Rawat, PhD, Johns Hopkins University, Baltimore, MD, USA |
| 12:05 | Closing Remarks  
James Russell, MD, IDNC Chair, University of Maryland School of Medicine, Baltimore, MD, USA |
| 12.15-12.45 | Break |

### TOXIC NEUROPATHY CONSORTIUM (TNC)

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<th>Time</th>
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</table>
| 10.00 | Welcome  
Guido Cavaletti, MD  
TNC Chair, University of Milano-Bicocco, Monza (I), Milan, Italy |
| 10.05 | Invited Speakers  
Chairs: Ellen Lavoie Smith, PhD, MSN, RN, AOCN(R), FAAN, University of Michigan School of Nursing, Ann Arbor, Michigan, USA and Ahmet Hoke, MD, PhD, Johns Hopkins School of Medicine, Baltimore, Maryland, USA |
| 10.05 | Metabolomics: A Tool for Neurological Research  
Debra J. Skene, PhD  
University of Surrey, Guildford, United Kingdom |
| 10.35 | Chemotherapy-Induced Peripheral Neuropathy (CIPN): Characteristics, Patterns and Outcomes Across the Lifespan  
Ellen Lavoie Smith, PhD, MSN, RN, AOCN(R), FAAN  
University of Michigan School of Nursing, Ann Arbor, Michigan, USA |
11.05 Debate – Different Perceptions of CIPN
Ahmet Hoke, MD, PhD
Johns Hopkins School of Medicine, Baltimore, Maryland, USA

Karin Jordan, MD
Department of Haematology and Oncology, Heidelberg University Hospital, Heidelberg, Germany

12.05 Closing Remarks
Guido Cavaletti, MD, TNC Chair, University of Milano-Bicocco, Monza (I), Milan, Italy

12.15-12.45 Break

12.45-15.00 SPECIAL INTEREST GROUP (SIG) CONCURRENT SESSIONS

12.45-15.00 INFLAMMATORY NEUROPATHY CONSORTIUM (INC)

12.45 Welcome
Peter Van den Bergh, MD, PhD, FEAN, FAAN
INC Chair, University Hospitals St-Luc, Brussels, Belgium

12.50 Invited Speakers
Chairs: Jeff Allen, MD, University of Minnesota, Minneapolis, MN, USA and Simon Rinaldi, PhD, MBChB, MRCP, University of Oxford, Oxford, UK

12.50 Update on Neuralgic Amyotrophy
Nens van Alfen, MD, PhD
Radboud University Medical Center, Nijmegen, Netherlands

13.20 The Role of Fc Receptors in Inflammatory Neuropathy: Emerging Targets for Novel Therapies
Kazim Sheikh, MD
McGovern Medical School, University of Texas, Houston, Texas, USA
PROGRAM – SUNDAY 13 JUNE 2021

13.50  Pathology of Early Guillain-Barré Syndrome
        Jose Berciano, PhD
        University of Cantabria, Santander, Spain

14.20  Beyond Immunoglobulin and Steroids in CIDP: What Can We Learn from Other Diseases?
        Stephen W. Reddel, PhD
        University of Sydney, Sydney, Australia

14.50  Closing Remarks
        Peter Van den Bergh, MD, PhD, FEAN, FAAN, INC Chair, University Hospitals St-Luc,
        Brussels, Belgium

12.45-15.00  NEUROPATHIC PAIN CONSORTIUM (NPC)

12.45  Welcome
        Daniela Menichella, MD, PhD
        NPC Chair, Northwestern University, Chicago, IL, USA

12.50  Invited Speakers
        Chairs: Margarita Calvo, MD, PhD, Pontificia Universidad Católica de Chile, Santiago,
        Chile and Theodore Price, PhD, The University of Texas at Dallas, Richardson, TX, USA

12.50  Human iPSC-derived Sensory Neurons to Study Painful Peripheral Neuropathy
        Angelika Lampert, MD
        Uniklinik RWTH Aachen University, Aachen, Germany

13.35  Neuropathic Pain Development in the Aged
        Michael Burton, PhD
        UT Dallas, Dallas, Texas, USA
14.20 **Oral Poster Presentations**  
**Chairs:** Cheryl L. Stucky, PhD, Medical College of Wisconsin, Milwaukee, WI, USA and Doug Wright, PhD, University of Kansas Medical Center, Kansas City, KS, USA

14.20 **Lack of Skin Cell-Secreted Neurotrophic Factors Results in a Small Fiber Neuropathy**  
Paula Diaz Cespedes, PhD, Pontificia Universidad Católica de Chile, Santiago, Chile

14.25 **Transcriptome Analysis of Activated Epidermal Keratinocytes of Mouse Skin Reveals Mechanisms of Degeneration of Cutaneous Nerves**  
Abdelhak Belmadani, PhD, Northwestern University Feinberg School of Medicine, Chicago, IL, USA

14.30 **Role of Mesenchymal Stem Cell Derived Exosomes in Neuronal Survival**  
Olga Tarasiuk, PhD, University of Milan, Bicocca, Monza, Italy

14.35 **Highly Stringent Proteomics to Elucidate Molecular Mechanisms Underlying Neuropathic Pain and Axonal Degeneration in Painful Diabetic Neuropathy**  
Nirupa Jayaraj, Chicago, IL, USA

14.40 **Scavenging Methylglyoxal and Preventing Methylglyoxal-Evoked Nociception with a Ketogenic Diet**  
Jonathan Enders, MSc, University of Kansas Medical Center, Kansas City, KS, USA

14.45 **Contribution of Kv1.6 to Modulation of Neuropathic Pain in Vivo and Spontaneous Activity in Vitro**  
Luisa Gonzalez Gomez, MSc, PhD, Pontificia Universidad Católica de Chile, Santiago, Chile

14.50 **Closing Remarks**  
Daniela Menichella, MD, PhD, *NPC Chair, Northwestern University, Chicago, IL, USA*
## PROGRAM – FRIDAY 25 JUNE 2021

All times listed in EDT (US & Canada)
Start time: 6.00 PDT | 8.00 CDT | 9.00 EDT | 14.00 BST | 15.00 CEST | 21.00 CST | 23.00 AEST

### 9.00-9.30 Coffee Chats
(Limited to 50 participants per chat room. First come, first serve.)

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<th>Time</th>
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<tr>
<td>9.00</td>
<td>International CIPN Assessment and Validation Study (ICAVS): Update and Plans</td>
<td>Paola Alberti, MD, PhD, University of Milano-Biocca, Monza, Italy</td>
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<tr>
<td>9.00</td>
<td>INC Business Open Forum (GBS</td>
<td>CIDP Foundation International, IMAGINE, INCbase, IGOS)</td>
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<td>9.00</td>
<td>Human vs Rodent: Translational Research in Neuropathic Pain in Peripheral Neuropathy</td>
<td>Cheryl Stucky, PhD, Medical College of Wisconsin, Milwaukee, WI, USA</td>
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<tr>
<td>9.00</td>
<td>Grant Writing</td>
<td>Eva Feldman, MD, PhD, University of Michigan Department of Neurology, Ann Arbor, MI, USA and Stephanie Eid, PhD, University of Michigan Department of Neurology, Ann Arbor, MI, USA</td>
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<tr>
<td>9.00</td>
<td>CMTR Cell Biology Discussion Group</td>
<td>Alessandra Bolino, PhD, San Raffaele Hospital, Milan, Italy</td>
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### 9.30-10.00 Peter J Dyck Lecture

**Mechanisms of Cutaneous Pain Sensation**

Michael Caterina, MD, PhD, Johns Hopkins School of Medicine, Baltimore, Maryland, USA  
**Chairs:** Daniela Maria Menichella, MD, PhD, Northwestern University, Chicago, IL, USA and Michael Polydefkis, MD, MHS, Johns Hopkins Medicine, Baltimore, MD, USA

### 10.00-11.30 Platform Session I

**Chairs:** Daniela Maria Menichella, MD, PhD, Northwestern University, Chicago, IL, USA and Michael Polydefkis, MD, MHS, Johns Hopkins Medicine, Baltimore, MD, USA

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<tr>
<td>10.00</td>
<td>Epidermal SIRT1 Modulates Mechanical Allodynia in Diabetic Neuropathy</td>
<td>Cheng-Ying Ho, University of Maryland, Rockville, MD, USA</td>
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<tr>
<td>10.15</td>
<td>Identifying Changes in the Gene Expression Profile of Sensory Neurons in Painful Diabetic Neuropathy</td>
<td>Dale George, PhD, Northwestern, Chicago, IL, USA</td>
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<td>10.30</td>
<td>Targeting the Low Density Lipoprotein Receptor Related Protein for Treating Pain</td>
<td>Zixuan Wang, University of California, San Diego, La Jolla, CA, USA</td>
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<td>10.45</td>
<td>Exploring In Vivo Neural Imaging as a Readout for HDAC6 Rescue of Axonal Transport after Oxaliplatin-Induced Peripheral Neuropathy</td>
<td>Lucia Le Roux, MD, Anderson Cancer Center, Houston, TX, USA</td>
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<tr>
<td>Time</td>
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<td>Speaker</td>
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<td>11.00</td>
<td>Valency Dictates Anti-Nfasc155 igg4 Pathogenicity</td>
<td>Jerome Devaux, PhD</td>
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<td>11.15</td>
<td>Myelinated, Human Stem Cell-Derived Sensory Neurons for Screening for the Presence of Peripheral Nerve-Reactive Autoantibodies in Patient Sera</td>
<td>Janev Fehmi, MBBS, MRCP UK, MSc</td>
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<tr>
<td>11.30-12.00 Break</td>
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<td>12.00-12.30</td>
<td>Richard Bunge Lecture&lt;br&gt;Signals to Schwann Cells During Myelination and Peripheral Neuropathies</td>
<td>Laura Feltri, MD</td>
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<td>Chairs: Kathrin Doppler, MD, University Hospital Würzburg, Würzburg, Germany and Michael Shy, MD</td>
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<tr>
<td>12.30-13.00 Oral Poster Session I</td>
<td></td>
<td>Chairs: Kathrin Doppler, MD, University Hospital Würzburg, Würzburg, Germany and Michael Shy, MD</td>
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<tr>
<td>12.30</td>
<td>A Study To Establish The Serological Profile of Guillain-Barré Syndrome Following COVID-19</td>
<td>Ana Candalija, PhD</td>
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<tr>
<td>12.35</td>
<td>Sensory Neuronopathy Associated Anti-FGFR3 Antibodies Induce Neuronal Cell Death through MAP Kinase and Autophagy Pathways</td>
<td>Yara Nasser, MD</td>
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<td>12.40</td>
<td>Monocarboxylate Transporter 1 (MCT1) Overexpression in Macrophages Accelerates Peripheral Nerve Regeneration after Injury in Mice</td>
<td>Brett Morrison, MD, PhD</td>
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<td>12.45</td>
<td>A Novel Mouse Model for the MPZ-D61N Mutation Identifies Hyperglycosylation as a New Pathogenetic Mechanism in CMT1B</td>
<td>Maurizio D’Antonio, PhD</td>
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<td>12.50</td>
<td>Altered Ubiquitination of Mutant TRPV4 Ion Channels may Contribute to CMT2C/dSMA Disease Pathogenesis</td>
<td>William Aisenberg, B.Sci</td>
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<tr>
<td>12.55</td>
<td>Loss-of-Function SARM1 Coding Variation is Present in the Human Population</td>
<td>Mirlinda Ademi, MD, PhD</td>
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</table>
13.00-14.00 **Guided Poster Hall Tours**

*(Limited to 50 participants per chat room. First come, first serve.)*

13.00 **Translation to Treatment**

*Tour Guides: James Russell, MD, University of Maryland School of Medicine, Baltimore, MD, USA and Andrea Cortese, MD, University College London, London, UK*

13.00 **Novel Biomarkers**

*Tour Guides: John Svaren, PhD, University of Wisconsin-Madison, Madison, WI, USA and Simon Rinaldi, PhD, University of Oxford, Oxford, UK*

13.00 **Models of Disease**

*Tour Guides: Wendy Campana, PhD, UC San Diego, San Diego, CA, USA and Brett McCray, MD, Johns Hopkins, Baltimore, MD, USA*

13.00 **Charcot-Marie Tooth & Related Neuropathies**

*Tour Guides: Vera Fridman, MD, University of Colorado Anschultz Medical Campus, Aurora, CO, USA and Laura Matilde, MD, PhD, University College London Hospital, London, UK*

13.00 **Neuropathic Pain**

*Tour Guides: Rob Hadden, PhD, FRCP, BM, BCh, King’s College Hospital, London, UK and Roy Freeman, MD, Beth Israel Deaconess Medical Center, Harvard Medical Center Boston, MA, USA*
PROGRAM – SATURDAY 26 JUNE 2021

All times listed in EDT (US & Canada)
Start time: 6.00 PDT | 8.00 CDT | 9.00 EDT | 14.00 BST | 15.00 CEST | 21.00 CST | 23.00 AEST

9.00-9.30 **Coffee Chats** *(Limited to 50 participants per chat room. First come, first serve.)*

- **Exercise and CIPN**
  *Room Host: Susanna Park, PhD, University of Sydney, Sydney, Australia*

- **The Opioid Crisis and Peripheral Neuropathy**
  *Room Host: Roy Freeman, MD, Beth Israel Deaconess Medical Center, Harvard Medical Center Boston, MA, USA*

- **International Outreach Open Forum**
  *Room Host: Umapathi Thirugnanam, MD, National Neuroscience Institute, Singapore, Singapore*

- **CMTR Genetics Discussion Group**
  *Room Hosts: Marina Kennerson, BSc, MSc, PhD, ANZAC Research Institute, Concord, Australia, Vincent Timmerman, PhD, MSc, University of Antwerp, Antwerp, Belgium, and Stephan Züchner, MD, PhD, University of Miami, Miami, FL, USA*

9.30-10.00 **Arthur K Asbury Lecture**

**Antisense Therapies for Neurological Diseases**

*Frank Bennett, PhD, Ionis Pharmaceutica, Inc., Carlsbad, CA, USA*

*Chairs: Guida Landoure, MD, PhD, University of Bamako, Bamako, Mali and Charlotte Sumner, MD, Johns Hopkins Medicine, Baltimore, MD, USA*

10.00-11.30 **Platform Session II**

*Chairs: Guida Landoure, MD, PhD, University of Bamako, Bamako, Mali and Charlotte Sumner, MD, Johns Hopkins Medicine, Baltimore, MD, USA*

- **RNAi-Based Gene Therapy Improves Functional and Histopathological Outcomes in a CMT1A Mouse Model**
  *Marina Stavrou, PhD, The Cyprus Institute of Neurology and Genetics, Nicosia, Cyprus*

- **Squalenoyl siRNA PMP22 Nanoparticles, a Potent Therapy for Charcot-Marie-Tooth Disease Type 1A**
  *Suzan Boutary, PhD, Inserm Arcueil, France*

- **AAV9 Gene Replacement Therapy In Two Mutant Mouse Models Of CMT1X Demyelinating Neuropathy**
  *Alexia Kagiava, PhD, MCs, The Cyprus Institute of Neurology and Genetics, Nicosia, Cyprus*

- **Ethoxyquin Prevents Bortezomib Neurotoxicity in Vitro and in a Mouse Model of Chemotherapy Induced Peripheral Neuropathy**
  *Aysel Cetinkaya-Fisgin, PhD, JHU SOM Neurology, Baltimore, MD, USA*
Pre-Clinical Treatment Studies of SORD Neuropathy with Novel Aldose Reductase Inhibitors AT-001 and AT-007  
Adriana Rebelo, PhD, University of Miami, Miami, FL, USA

LATE BREAKING: In vivo CRISPR/Cas9 Editing of the TTR Gene by NTLA-2001 in Patients with Transthyretin Amyloidosis  
Julian Gillmore, PhD, National Amyloidosis Centre, University College London, London, UK

11.30-12.00 PNS Annual General Meeting  
All are encouraged to attend the PNS Annual General Meeting. Your input is valuable, as we review the business of the PNS.

12.00-12.30 Jack Griffin Lecture  
The Molecular Mechanism of Axon Degeneration: SARM1 as a Druggable Target for the Prevention of Peripheral Neuropathy  
Aaron Diantonio, MD, PhD, Washington University School of Medicine, St. Louis, MI, USA  
Chairs: Ahmet Hoke, MD, PhD, Johns Hopkins University, Baltimore, MD, USA and Luis Querol, MD, PhD, Hospital de la Santa Creu i Sant Pau, Barcelona, Catalunya, Spain

12.30-12.50 Oral Poster Session II  
Chairs: Ahmet Hoke, MD, PhD, Johns Hopkins University, Baltimore, MD, USA and Luis Querol, MD, PhD, Hospital de la Santa Creu i Sant Pau, Barcelona, Catalunya, Spain

12.30 A Novel PMP22 3’UTR Deletion Suggests a Role of the 3’UTR in Post-Transcriptional Gene Regulation  
Menelaos Pipis, MBBS, Centre for Neuromuscular Diseases, UCL Queen Square Institute of Neurology, London, UK

12.35 An Allosteric Specific Activator of Sirtuin 1 Induces Growth of Axons and Prevents Experimental Diabetic Neuropathy  
Ahmad Hedayat, MD, University of Maryland School of Medicine, Chicago, IL, USA

12.40 Chronic Inflammatory Demyelinating Polynuropathy (CIDP) is an Autoimmune Disease Associated with Immune Infiltration into Peripheral Nerves  
Xihui Yin, UCLA, Los Angeles, CA, USA

12.45 Curcumin Delivered by Cyclodextrine-Cellulose Nanocrystals Reduces Oxidative Stress and Ameliorates the Symptoms of CMT1A Rat  
Zeina Msheik, PharmD, University of Limoges, Limoges, France

12.50 Role of the ATF6 Branch of the UPR In CMT1B Neuropathy  
Francesca Veneri, PhD, San Raffaele Scientific Institute, Milano, Italy
12.55  Serum Neurofilament Light Chain As A Blood Biomarker of Severity in Paclitaxel-Induced Peripheral Neurotoxicity
Andreas Argyriou, MD, PhD, Saint Andrew’s State General Hospital of Patras, Patras, Greece

13.00-14.00  Guided Poster Hall Tours
(Limited to 50 participants per chat room. First come, first serve.)

13.00  Inflammatory Neuropathy
Tour Guides: Kathrin Doppler, MD, University Hospital Würzburg, Würzburg, Germany and Sonja Leonhard, MD, Erasmus Medical Center, Rotterdam, Netherlands

13.00  Diabetes
Tour Guides: Doug Wright, PhD, University of Kansas Medical Center, Kansas City, KS, USA and Vera Fridman, MD, University of Colorado Anschultz Medical Campus, Aurora, CO, USA

13.00  Toxic Neuropathy
Tour Guides: Ahmet Hoke, MD, PhD, Johns Hopkins University, Baltimore, MD, US and Andreas Argyriou, MD, DSc, Saint Andrew’s General Hospital, Patras, Greece

13.00  Clinical Outcome Measures
Tour Guides: David Herrmann, University of Rochester, Rochester, NY, USA and Jeffrey Allen, MD, University of Minnesota Health, Minneapolis, MN, USA

13.00  Mechanisms of Disease
Tour Guides: Steven Scherer, MD, PhD, The University of Pennsylvania, Philadelphia, PA, USA and Ruth Huizinga, PhD, Erasmus MC University Medical Center, Rotterdam, Netherlands
## PROGRAM – SUNDAY 27 JUNE 2021

All times listed in EDT (US & Canada)
Start time: 6.00 PDT | 8.00 CDT | 9.00 EDT | 14.00 BST | 15.00 CEST | 21.00 CST | 23.00 AEST

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<tr>
<th>Time</th>
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<td>9.00-9.30</td>
<td><strong>Coffee Chats</strong> <em>(Limited to 50 participants per chat room. First come, first serve.)</em>&lt;br&gt;<strong>Room Host:</strong> Stephen Keddie, MBBS, MRCP, National Hospital for Neurology and Neurosurgery, London, UK and Michael Lunn, PhD, MA, MBBS, FRCP, National Hospital for Neurology and Neurosurgery Queen Square, London, UK</td>
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<td>9.00</td>
<td>Neurological Complications of COVID Vaccinations&lt;br&gt;<strong>Room Host:</strong> Stephen Keddie, MBBS, MRCP, National Hospital for Neurology and Neurosurgery, London, UK and Michael Lunn, PhD, MA, MBBS, FRCP, National Hospital for Neurology and Neurosurgery Queen Square, London, UK</td>
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<td>9.00</td>
<td>How COVID Has Affected the Job Market&lt;br&gt;<strong>Room Hosts:</strong> Karissa Gables, MD, Duke University, Durham, NC, USA and Chafic Karam, MD, University of Pennsylvania, Philadelphia, PA, USA</td>
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<td>9.00</td>
<td>CMTR Clinical Discussion Group&lt;br&gt;<strong>Room Host:</strong> Davide Pareyson, MD, Carlo Besta Neurological Institute IRCCS Foundation, Milan, Italy</td>
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<td>9.30-10.00</td>
<td><strong>PK Thomas Lecture</strong>&lt;br&gt;<strong>Genetics of Hereditary Spastic Paraplegia — Overlap Between Central and Peripheral Axonopathies</strong>&lt;br&gt;<strong>Rebecca Schüle, MD, University of Tübingen, Hertie Institute for Clinical Brain Research &amp; German Center for Neurodegenerative Diseases (DZNE), Tübingen, Germany</strong>&lt;br&gt;<strong>Chairs:</strong> Nortina Shahrizaila, MD, PhD, University Malaya Medical Centre, Kuala Lumpur, Malaysia and Stephan Zuchner, MD, PhD, University of Miami, Miami, FL, USA</td>
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<td>10.00-11.30</td>
<td><strong>Platform Session III</strong>&lt;br&gt;<strong>Chairs:</strong> Nortina Shahrizaila, MD, PhD, University Malaya Medical Centre, Kuala Lumpur, Malaysia and Stephan Züchner, MD, PhD, University of Miami, Miami, FL, USA</td>
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<td>10.00</td>
<td>Recessive Hereditary Motor Neuropathy Caused by an Ancestral 10-bp Repeat Expansion in VWA1&lt;br&gt;<strong>Rauan Kaiyrzhanov, MSc, Institute of Neurology University College London, London, UK</strong></td>
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<td>10.15</td>
<td>Biallelic Replication Factor C Subunit 1 (RFC1) Repeat Expansion Mutation is Highly Frequent in Sensory Chronic Idiopathic Axonal Polyneuropathy&lt;br&gt;<strong>Matteo Tagliapietra, MD, Department of Neuroscience, Biomedicine and Motor Sciences, Verona, Italy</strong></td>
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<td>10.30</td>
<td>Neurofascin-155 CIDP Patients: Clinical, Immunological and Biomarker Features&lt;br&gt;<strong>Lorena Martín-Aguilar, MD, Hospital de la Santa Creu i Sant Pau, Barcelona, Spain</strong></td>
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<td>10.45</td>
<td>Distinct Clinical Profiles among ATTRv Genotypes&lt;br&gt;<strong>Serena Zampino, Johns Hopkins University, Baltimore, MD, USA</strong></td>
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<td>11.00</td>
<td>Muscle MRI as a Novel Outcome Measure of Hereditary Transthyretin Amyloidosis: A Cross-Sectional Cohort Study&lt;br&gt;<strong>Elisa Vegezzi, Department of Brain and Behavioral Sciences, University of Pavia; IRCCS Mondino Foundation, Pavia, Italy</strong></td>
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PROGRAM – SUNDAY 27 JUNE 2021

11.15 RFC1 Expansions are a Common Cause of Idiopathic Sensory Neuropathy
Riccardo Curro, MD, Department of Brain and Behavioral Sciences, University of Pavia, Reggio Calabria, Italy

11.30-12.00 Break

12.00-12.30 Pembroke Lecture

Primary Mitochondrial Neuropathies
Michio Hirano, MD, Columbia University, New York, NY, USA
Chair: Rita Horvath, MD, PhD, Department of Clinical Neurosciences, University of Cambridge, Cambridge, UK

12.30-14.00 Richard A.C. Hughes Session: Clinical Science Highlights

Chairs: David Cornblath, MD, Johns Hopkins University, Baltimore, MD, USA and Mary Reilly, MD, MB, BCh, BAO, FRCP, FRCPI, Institute of Neurology Queen Square, London, UK

12.30 EAN/PNS Guideline on the Diagnosis and Treatment of Guillain-Barré Syndrome (GBS)
Pieter van Doorn, MD, PhD, Department of Neurology, Erasmus MC University Medical Center, Rotterdam, Netherlands

12.45 European Academy of Neurology (EAN)/Peripheral Nerve Society (PNS) Guideline on Diagnosis and Treatment of CIDP
Peter Van den Bergh, MD, PhD, FEAN, FAAN, Neuromuscular Reference Centre, Department of Neurology, University Hospitals Saint-Luc, Brussels, Belgium

13.00 Epidemiological and Cohort Study Finds no Association Between COVID-19 and Guillain-Barré Syndrome
Stephen Keddie, MBBS, MRCP, National Hospital for Neurology and Neurosurgery, London, UK

13.10 Guillain-Barré Syndrome Decreases in Singapore during the COVID-19 Pandemic
Thirugnanam Umapathi, MBBS, National Neuroscience Institute, Singapore, Singapore

13.20 Intravenous Administration of ANX005, an anti-C1q Therapy, Inhibits CSF Antibody-Driven Complement Activity in Early Stage Guillain-Barré Syndrome
Poojan Suri, MS, Annexon Biosciences, Newark, CA, USA

13.30 Phase 2 Proof-of-Concept Trial Design for BIVV020, a Monoclonal Antibody Targeting Complement C1s, in CIDP
Richard Hughes, Prof, King’s College London, London, UK

13.40 HELIOS-A: 9-month Results from the Phase 3 Study of Vutrisiran in Patients with Hereditary Transthyretin-Mediated Amyloidosis with Polyneuropathy
David Adams, MD, PhD APHP, CHU Bicêtre, Université Paris-Saclay, Paris, France
13.50  **Epidermal Axon Changes in Patients with Prediabetes: The PACMAN Study**  
Mamatha Pasnoor, MD, *The University of Kansas Medical Center,* Kansas City, KS, USA

14.00  **LATE BREAKING: Effect of Combined Administration of Intravenous Immunoglobulin (IVIg) and the Classical Complement Inhibitor ANX005 in Guillain-Barre Syndrome (GBS)**  
Thomas Harbo, MD, *Department of Neurology, Aarhus University Hospital, Denmark*

14.10-14.30  **Awards Ceremony & Closing Remarks**  
*Master of Ceremonies: Richard Lewis, MD, PNS President-Elect*  
Please join us as we honor one of our esteemed PNS colleagues with the presentation of the prestigious Alan J. Gebhart Prize for Excellence in Peripheral Nerve Research. At the awards ceremony we will also present seven $750 cash prizes to Junior Member abstract presenters. Being chosen as an award winner is considered an honor and commemorates the contributions of previous leaders in the industry.
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Transthyretin amyloidosis (ATTR amyloidosis) is a rare and complex disease with varied manifestations, from polyneuropathy to cardiomyopathy, which brings substantial challenges to its diagnosis and management. Join us for a symposium where we will discuss how, as a clinical community, we can work together to identify and manage patients with ATTR amyloidosis early by addressing:

- Indicators that should raise suspicion of ATTR amyloidosis in the undiagnosed patient
- The importance of early identification and management of ATTR polyneuropathy
- The impact of cardiac manifestations and its treatment in patients with polyneuropathy

Please click here to register and join the satellite symposium.*

*Registration fees apply.
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*CIDP=chronic inflammatory demyelinating polyneuropathy.

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Visit the Pfizer IVIg Therapy Booth at
http://www.vr-exhibit.com/Pfizer/IG/006

CIDP=chronic inflammatory demyelinating polyneuropathy.
IVIg=intravenous immunoglobulin.
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