#SATURDAY 8 JULY 2017

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<td>07.30 - 12.00</td>
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<td>12.00 - 13.30</td>
<td>PNS Board Meeting 1</td>
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<td>12.00 - 13.30</td>
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<td>14.00 - 18.00</td>
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<td>18.00 - 20.00</td>
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<td>20.00 - 20.30</td>
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#SUNDAY 9 JULY 2017

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<td>07.30 - 08.30</td>
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<td>Coffee + Poster Viewing</td>
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<td>Poster Session 1 (see end of Sunday for poster titles)</td>
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8.30 - 9.00  
Plenary 1: Elior (Ori) Peles - RP Bunge Lecture  
MOLECULAR ASPECTS OF THE FORMATION/MAINTENANCE OF THE NODE OF RANVIER

9.00 - 10.00  
Oral Abstracts

9.00  
A NOVEL CMT2P MISSENSE MUTATION IN THE RING DOMAIN OF LRSAM1 IMPAIRS NUCLEAR TRANSLLOCATION OF RNA-BINDING PROTEINS

O1_1  
Jun Li  
(1) Hu B, (1) Arpag S, (2) Zuchner S, (1) Li J. (1) Department of Neurology, Vanderbilt University School of Medicine, Nashville, Tennessee, USA; (2) Hussman Institute for Human Genomics, University of Miami, Miami, Florida, USA.

9.15  
A RAT MODEL OF CMT2A DEVELOPS A PROGRESSIVE NEUROPATHY

O1_2  
Steven Scherer  
(1) Perelman School of Medicine, University of Pennsylvania, Philadelphia, Pennsylvania, USA; (2) PsychoGenics, Tarrytown, NY, USA; (3) California Institute of Technology, Pasadena, CA, USA; (4) Renovo Neural Inc, Cleveland, OH, USA; (5) University of Wisconsin, Madison, WI, USA; (6) HumanFirst Therapeutics LLC, Silver Spring, MD, USA

9.30  
TRANSCRIPTIONAL AND TRANSLATIONAL PROFILING AND PRECLINICAL TESTING IN GARS/CMT2D MOUSE MODELS.

O1_3  
Robert Burgess  
Burgess RW1,2, Morelli, KH1,2, Spaulding EL1,2, and Seburn KL.1 1The Jackson Laboratory, Bar Harbor, Maine, 04609 USA. 2The Graduate School of Biomedical Science and Engineering, University of Maine, Orono, ME 04469 USA.

9.45  
RALGTPASES CONTROL SCHWANN CELL’S REPAIR FUNCTION AFTER NERVE INJURY BY CONTROLLING LAMELLIPODIA FORMATION

O1_4  
Jorge Galino  

10.00 - 10.30  
Coffee
10.30 - 12.00 Oral Posters

**OP1_1**

**NODES OF RANVIER IN SKIN BIOPSIES OF PATIENTS WITH DIABETES MELLITUS**

Claudia Sommer

(1) Doppler, K, (1) Frank, F, (3) Koschker, A-C, (1) Reiners, K, (1) Sommer, C. (1) Department of Neurology, University Hospital Würzburg, Würzburg, Germany, (2) Endocrinology and Diabetes Unit, Department of Medicine I, University Hospital Würzburg, Würzburg, Germany

**OP1_2**

**ALTERED POTASSIUM CHANNEL DISTRIBUTION AND COMPOSITION IN MYELINATED AXONS SUPPRESSES HYPEREXCITABILITY FOLLOWING INJURY**

Margarita Calvo

(1) Calvo M, (2) Richards N, (3) Schimd A, (2) Barroso A, (2) Zhu L, (1) Ivulic D, (3) Zhu N, (1) Anwandter P, (4) Bhat M, (1) Court F, (2) McMahon SB, (3) Bennett DLH. (1) Pontificia Universidad Catolica de Chile, Santiago, Chile; (2) Wolfson CARD, Kings College London, UK; (3) NDCN Oxford University, UK; (4) UT Health Science Center, San Antonio, TX, USA

**OP1_3**

**N-METHYL-D-ASPARTATE RECEPTOR (NMDA-R) ACTIVATED CELL-SIGNALING IN RESPONSE TO GLUTAMATE IN SCHWANN CELLS**

Wendy Campana

Campana WM1,3, Mantuano E2,4, Azmoun P2, Henry K1, Shibayama M1, Kim J1, Pizzo D2, Banki M2, Gonias SL2. Departments of 1Anesthesiology and 2Pathology and the 3Program in Neurosciences, University of California, San Diego School of Medicine, La Jolla, CA, USA; 4Department of Experimental Medicine, Sapienza University of Rome, Rome, Italy.

**OP1_4**

**MILD ERK/MAPK ACTIVATION IN ADULT SCHWANN CELLS NEGATIVELY AFFECTS AXON SURVIVAL, MYELIN STABILITY AND SMALL FIBRES REINNERVATION AFTER NERVE INJURY.**

Ilaria Cervellini

(1) Cervellini I, (1) Galino J, (1) Zhu N, (2) Birchmeier C, (1) Bennett DL. (1) NDCN University of Oxford, Oxford, UK; (2) Max-Delbrück-Center for Molecular Medicine, Berlin, Germany.

**OP1_5**

**AUTOANTIBODIES TO NODAL ISOFORMS OF NEUROFASCIN IN CHRONIC INFLAMMATORY DEMYELINATING POLYRADICULONEUROPATHY**

Emilien Delmont

(1, 2) Delmont E, (2) Manso C, (3) Querol L, (4) Cortese A, (4) Berardinelli A, (2) Belghazi M, (5) Malissart P, (5) Labauge P, (5) Taieb G, (6) Yuki N, (3) Illa I, (1) Attarian S, (2) Devaux J. (1) Referral Center for ALS and Neuromuscular Diseases, La Timone University Hospital, Aix-Marseille University, France. (2) Aix-Marseille Université, CNRS, CRN2M-UMR7286, Marseille, France. (3) Neuromuscular Diseases Unit, Hospital de la Santa Creu i Sant Pau, Universitat Autònoma de Barcelona, Barcelona, Spain. (4) IRCCS, C. Mondino National Neurological Institute, Pavia, Italy. (5) Department of Neurology, Gui de Chauliac Hospital, Montpellier University Hospital Center, Montpellier, France. (6) Department of Neurology, Mishima Hospital, Niigata, Japan.

**OP1_6**

**ANTI-NFASC155 IGG4 AFFECT PARANODE STRUCTURE IN ANIMAL MODELS**

Jerome Devaux

(1) Manso C, (2) Querol L, (1) Mekaouche M, (2) Illa I, (1) Devaux J. (1) Aix-Marseille Université, CNRS, CRN2M-UMR7286, Marseille, France; (2) Neuromuscular Diseases Unit, Hospital de la Santa Creu i Sant Pau, Universitat Autònoma de Barcelona, Barcelona, Spain.
OP1_7  MUTATIONAL BURDEN ANALYSIS IN INHERITED PERIPHERAL NEUROPATHIES
35347 Dana Bis

OP1_8  GENOME-WIDE ASSOCIATION STUDY IDENTIFIES POTENTIAL GENETIC MODIFIERS IN CHARCOT-MARIE-TOOTH DISEASE TYPE 1A
35267 Feifei Tao
(1) Tao F, (1) Beecham G, (1) Blanton S, (1) Abreu L, Inherited Neuropathy Consortium, (2) Baas F, (3) Choi BO, (4) Pareyson D, (5) Reilly M, (6) Shy M, (1) Zuchner S. (1) Dr. J.T. MacDonald Department for Human Genetics, Hussman Institute for Human Genomics, University of Miami, Miami, Florida, USA; (2) Department of Genome Analysis, Academic Medical Centre, Amsterdam, The Netherlands; (3) Department of Neurology, Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, Korea; (4) Department of Clinical Neurosciences, C. Besta Neurological Institute, Milan, Italy; (5) MRC Centre for Neuromuscular Diseases, UCL Institute of Neurology, London, UK; (6) Department of Neurology, University of Iowa, Iowa City, Iowa, USA.

OP1_9  LECITHIN LONG TERM THERAPY AMELIORATE DISEASE PROGRESSION IN A RAT MODEL OF CHARCOT MARIE TOOTH DISEASE 1A
35228 Tamer Abdelaal
1) Max-Planck-Institute of Experimental Medicine, Department of Neurogenetics, Göttingen, Germany.2) University Medical Center Göttingen, Department of Clinical Neuropathology, Göttingen, Germany 3) 2University Medical Center Göttingen, Department of Clinical Neurophysiology, Göttingen, Germany

OP1_10  FUNCTIONAL VALIDATION OF NON-CODING VARIANTS OF GJB1 IN PATIENTS WITH CMTX1
35321 Andrea Cortese Cortese A (1), Manole A (2), Simone R (3), Ashokkumar B (2), Tomaselli PJ (1), Rossor AM (1), Laura M (1), Polke H (4), Poh R (4), Houlden H (2), Reilly MM (1). (1) MRC Centre for Neuromuscular Diseases, National Hospital for Neurology and Neurosurgery, UCL Institute of Neurology, Queen Square, London, UK (2) Department of Molecular Neuroscience, UCL Institute of Neurology and National Hospital for Neurology and Neurosurgery, Queen Square, London, UK. (3) Department of Neurodegenerative Disease, UCL Institute of Neurology, Queen Square, London, UK. (4) Department of Neurogenetics, The National Hospital for Neurology and Neurosurgery, UCL Institute of Neurology, London, UK.

OP1_11  DEVELOPMENT AND PILOT TESTING OF A FUNCTIONAL OUTCOME MEASURE FOR ADULTS WITH CHARCOT MARIE TOOTH NEUROPATHY (CMT-FOM)
34721 David Herrmann Eichinger KJ(1), Burns J (2), Cornett K(2), Bacon C(3), Shepherd M(4) , Mountain J(1), Sowden J(1), Shy R(5), Shy ME(3), Herrmann DN(1)

OP1_12  A MULTICENTRE RETROSPECTIVE STUDY OF CHARCOT-MARIE-TOOTH DISEASE TYPE 4B (CMT4B)
SCHWANN CELL-SPECIFIC DELETION OF THE ENDOSONAL PI 3-KINASE VPS34 LEADS TO DELAYED RADIAL SORTING OF AXONS, ARRESTED MYELINATION, AND ABNORMAL ERBB2-ERBB3 TYROSINE KINASE SIGNALING.

Fred Robinson
Anne M. Logan1,2, Anna E. Mammel1,3, Danielle C. Robinson1,2, Andrea L. Chin1, Alec F. Condon1,2, and Fred L. Robinson1,4. 1 Jungers Center for Neurosciences Research, Department of Neurology, Oregon Health & Science University, Mail code L623, Portland, Oregon, 97239, U.S.A.; 2 Neuroscience Graduate Program, Oregon Health & Science University, Portland, Oregon, 97239, U.S.A.; 3 Cell, Developmental & Cancer Biology Graduate Program, Oregon Health & Science University, Portland, Oregon, 97239, U.S.A.; 4 Vollum Institute, Oregon Health & Science University, Portland, Oregon, 97239, U.S.A.

LIMITED SCHWANN CELL DIFFERENTIATION AS A PROTECTIVE MECHANISM IN CMT1B NEUROPATHY WITH ACTIVATED UNFOLDED PROTEIN RESPONSE

Francesca Florio
(1) Florio F, (1) Scapin C, (1) Ferri C, (2) Feltri M L, (2) Wrabetz L, (1) D’Antonio M. (1) (1) Myelin Biology Unit, San Raffaele Scientific Institute, Milan, Italy; (2) HJKRI-University of Buffalo, NY, USA 14203.

OPTIMIZING GENE EXPRESSION ANALYSIS IN CMT1A SKIN BIOPSIES.

John Svaren
(1) Svaren J, (1) Moran JJ, (2) Wu X, (2) Gutmann L, (2) Shy M

12.00 - 14.00  Lunch + Poster Viewing

12.00 - 14.00  Poster Viewing

14.00 - 14.30  Plenary 2: Illa Isabel - AK Asbury Lecture
CLINICAL ASPECTS AND NEW ANIMAL MODELS OF AUTO-IMMUNITY TO NODAL COMPONENTS

14.30 - 15.30  Oral Abstracts

TREATMENT RELATED FLUCTUATIONS AND ACUTE-ONSET CIDP IN THE IGOS COHORT

Carina Bunschoten
(1) Bunschoten C, (1) Miry F, (2) Vytopil M, (1) van Doorn PA, (1,3) Jacobs BC, the IGOS Consortium. (1) Department of Neurology, Erasmus Medical Center, Rotterdam, The Netherlands; (2) Department of Neurology, Lahey Hospital & Medical Center, Burlington, USA; (3) Department of Immunology, Erasmus Medical Center, Rotterdam, The Netherlands.
PARANODAL DISSECTION IN CHRONIC INFLAMMATORY DEMYELINATING POLYNEUROPATHY WITH ANTI-NEUROFASCIN 155 AND ANTI-CONTACTIN 1 ANTIBODIES

Haruki Koike,1 Masato Kadoya,2 Ken-ichi Kaida,2 Shohei Ikeda,1 Yuichi Kawagashira,1 Masahiro Iijima,1 Daisuke Kato,3 Hidenori Ogata,4 Ryo Yamasaki,4 Noriyuki Matsukawa,3 Jun-ichi Kira,4 Masahisa Katsuno,1 and Gen Sobue 1,5 1Department of Neurology, Nagoya University Graduate School of Medicine, Nagoya, Japan 2 Division of Neurology, Department of Internal Medicine, National Defense Medical College, Saitama, Japan. 3 Department of Neurology and Neuroscience, Nagoya City University Graduate School of Medical Sciences, Nagoya, Japan 4 Department of Neurology, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan 5 Research Division of Dementia and Neurodegenerative Disease, Nagoya University Graduate School of Medicine, Nagoya, Japan.

ANTI-GM1 ANTIBODY MEDIATED MODELS OF AXONAL AND DEMYELINATING GBS IN GLYCOSYLTRANSFERASE-MODIFIED TRANSGENIC MICE.

Rhona McGonigal

McGonigal R1, Yao D1, Barrie JA1, Crawford C 1, Willison HJ1. 1University of Glasgow, Glasgow, United Kingdom

INVESTIGATION OF SERUM ANTIBODIES AGAINST GLYCOLIPIDS AND GLYCOLIPID COMPLEXES IN IMMUNE-MEDIATED NEUROPATHIES BY COMBINATORIAL GLYCOARRAY

Susumu Kusunoki

Kusunoki S, Morikawa M, Kuwahara M, Ueno R, Samukawa M, Hamada Y. Kindai University Faculty of Medicine, Osaka-Sayama, Japan.

INTERLEUKIN 10 DEFICIENCY PARADOXICALLY PROTECTS FROM SPONTANEOUS AUTOIMMUNE PERIPHERAL NEUROPATHY IN A MOUSE MODEL OF CIDP

Collin-Jamal Smith

(1) Smith C, (2) Trout D, (3) Montgomery S, (4) Howard J, (5) Su M. (1) University of North Carolina at Chapel Hill, Chapel Hill, USA; (2) University of North Carolina at Chapel Hill, Chapel Hill, USA; (3) University of North Carolina at Chapel Hill, Chapel Hill, USA; (4) University of North Carolina at Chapel Hill, Chapel Hill, USA; (5) University of North Carolina at Chapel Hill, Chapel Hill, USA.

Ca(2+)-DEPENDENT ANTI-GQ1B ANTIBODY IN FISHER SYNDROME: DETECTION AND INSIGHT INTO THE MOLECULAR MECHANISM.

Atsuro Chiba

Chiba A, Uchibori A, Gyoohda A. Kyorin University, Tokyo, Japan.

JAPANESE ECULIZUMAB TRIAL FOR GUILLAIN- BARRÉ SYNDROME (JET-GBS)

Satoshi Kuwabara

Department of Neurology, Chiba University, Chiba, Japan.
ANTIBODIES TO NEUROFASCIN155 IN CHRONIC INFLAMMATORY DEMYELINATING POLYRADICULONEUROPATHY: DIAGNOSTIC UTILITY OF A CONVENTIONAL ASSAY

Kenichi Kaida
(1) Kaida K, (1) Kadoya M, (2) Iijima M, (1) Takazaki H, (3) Ogata H, (1) Moriguchi K, (4) Shimizu J, (5) Nagata E, (5) Takizawa S, (6) Chiba A, (3) Yamasaki R, (3) Kira J-i, (2) Sobue G, (1) Ikewaki K. (1) National Defense Medical College, Tokorozawa, Japan; (2) Nagoya University Graduate School of Medicine, Nagoya, Japan; (3) Kyushu University, Fukuoka, Japan; (4) University of Tokyo, Tokyo, Japan; (5) Tokai University School of Medicine, Isehara, Japan; (6) Kyorin University, Tokyo, Japan

CLINICAL AND PATHOLOGICAL FEATURES IN FOUR PATIENTS WITH ANTI-NEUROFASCIN 155 IGG4 ANTIBODY-POSITIVE CHRONIC INFLAMMATORY DEMYELINATING POLYNEUROPATHY

Motoi Kuwahara
(1) Kuwahara M, (2) Oka N, (3) Ogata H, (1) Suzuki H, (1) Yanagimoto S, (1) Sadakane S, (1) Fukumoto Y, (1) Yamana M, (1) Yuhara Y, (1) Yoshikawa K, (1) Morikawa M, (1) Kawai S, (3) Kira J, (1) Kusunoki S. (1) Department of Neurology, Kindai University Faculty of Medicine, Osaka, Japan; (2) Department of Neurology, National Hospital Organization Minami-Kyoto Hospital, Kyoto, Japan; (3) Department of Neurology, Neurological Institute, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan.

FREQUENCY AND ACTIVATION STATUS OF MYELOID CELLS IN THE GUILLAIN-BARRÉ SYNDROME

Ruth Huizinga
Wouter van Rijs, Willem Jan Fokkink, Anne Tio-Gillen, Maarten Brem, Bart Jacobs and Ruth Huizinga. Departments of Immunology and Neurology, Erasmus MC, University Medical Centre, Rotterdam, The Netherlands.

ANTI-FGFR3 ANTIBODIES AND SENSORY-NEUROPATHY. A FRENCH PROSPECTIVE STUDY.

Jean-Christophe Antoine
Tholance Y,1 Rosier C,1 F Bouhour,2 Psimaras D,3 Kuntzer T,4 Taieb G,5 Créange A,6 Delmont E,7 Camdessanché JP,1 Antoine JC.1 1 University Hospital, Saint-Etienne, France; 2 University Hospital, Lyon, France; 3 University Hospital, Paris, France; 4 University Hospital, Lausanne, Switzerland; 5 University Hospital, Montpellier, France; 6 University Hospital, Creteil, France; 7 University Hospital, Marseille, France.

EVALUATION OF DERMAL NERVE FIBERS IN CIDP NODO-PARANODOPATHY PATIENTS

Raffaella Lombardi
(1) Lombardi R, (2) Devaux J, (3) Cortese A, (1) Dacci P, (4) Benedetti L, (4) Demichelis C, (1) Lauria G. (1) IRCCS Foundation “Carlo Besta” Neurological Institute, Milan, Italy; (2) Aix-Marseille Université, Marseille, France; (3) IRCCS C. Mondino National Neurological Institute, Pavia, Italy; (4) University of Genova and IRCCS AOU San Martino-IST, Genova, Italy

IN VIVO IMAGING OF EPIDERMAL NERVE FIBERS

Gang Zhang
Gang Zhang, Pradip Ghosh, Jianxin Lin, Sameera Ghauri, and Kazim A. Sheikh; Department of Neurology, University of Texas Health Science Center at Houston, Houston, TX 77030, USA
INTERNATIONAL SECOND IMMUNOGLOBULIN DOSE IN PATIENTS WITH GUILLAIN-BARRÉ SYNDROME WITH POOR PROGNOSIS (I-SID GBS), A PROSPECTIVE OBSERVATIONAL STUDY.

Christine Verboon
(1) Verboon C, (1) van den Berg B, (2) Cornblath DR, (1) Walgaard C, (3) Gorson KC, (4) Lunn MP, (5) Hartung HP, (6) Steyerberg EW, (6) Lingsma H, (1, 7) Jacobs BC, (1) van Doorn PA, the IGOS Consortium. (1) Department of Neurology, Erasmus MC, University Medical Center, Rotterdam, the Netherlands (2) Department of Neurology, Johns Hopkins University, Baltimore, USA (3) Department of Neurology, Tufts University School of Medicine, Boston, USA (4) MRC Centre for Neuromuscular Disease, National Hospital for Neurology and Neurosurgery, London, UK (5) Department of Neurology, Heinrich Heine Universität, Düsseldorf, Germany (6) Department of Public Health, Erasmus Medical Centre, Rotterdam, The Netherlands (7) Department of Immunology, Erasmus Medical Centre, Rotterdam, The Netherlands

FUNCTIONAL AND MORPHOLOGICAL CONSEQUENCES OF CELLULAR AND HUMORAL RESPONSES IN TREATMENT-NAIVE CHRONIC INFLAMMATORY DEMYELINATING POLYNEUROPATHY: A COMBINED SONOGRAPHIC AND NERVE CONDUCTION STUDY

HS Goedee
(1,2) Goedee HS, (1,2) van der Pol WL, (1-3) Herraets IJT, (3) van Asseldonk JTH, (3) Visser LH, (1,2) van den Berg LH. (1) Department of Neurology, UMC Utrecht, Utrecht, The Netherlands (2) Brain Center Rudolf Magnus, Department of Neuroscience, UMC Utrecht, Utrecht, The Netherlands (3) Department of Neurology and Clinical Neurophysiology, St. Elisabeth Hospital, Tilburg, The Netherlands

RANDOMIZED CONTROLLED TRIAL OF ORAL FINGOLIMOD IN CHRONIC INFLAMMATORY DEMYELINATING POLYRADICULONEUROPATHY (FORCIDP TRIAL): PRIMARY AND SECONDARY OUTCOMES

Richard Hughes

EXPANDED B-CELL RECEPTOR CLONES ARE PRESENT IN PERIPHERAL BLOOD SAMPLES IN PATIENTS WITH CHRONIC INFLAMMATORY DEMYELINATING POLYNEUROPATHY

Gwen van Lieverloo
(1, 2) van Lieverloo G, (2) Musters A, (1) Adrichem M, (2) Esveldt R, (2) Doorenspleet M, (2) Klarenbeek P, (1) van Schaik I, (2) de Vries N, (1) F. Eftimov (1) Academic Medical Center, Department of Neurology, Amsterdam, the Netherlands (2) Academic Medical Center/University of Amsterdam, Department of Clinical Rheumatology and Immunology, Amsterdam, the Netherlands

REGULATORY B CELL FREQUENCIES INCREASE AFTER IVIG THERAPY IN INFLAMMATORY NEUROPATHIES.

Ana Maria Siles
Siles AM 1,2, Assylbekova D1,2, Diaz-Manera J1,2, Rojas-Garcia R1,2, Cortes E1,2, Gallardo E1,2, Illa I1,2, Querol L1,2. 1 Neuromuscular Diseases Unit, Neurology Department, Hospital de la Santa Creu i Sant Pau, Universitat Autònoma de Barcelona, Barcelona, Spain; 2 Centro para la Investigación Biomédica en Red en Enfermedades Raras (CIBERER), Madrid, Spain.

DEVELOPMENT OF A SUBACUTE ANTI-GANGLIOSIDE ANTIBODY-MEDIATED MOUSE MODEL OF GBS

Madeleine Cunningham
(1) Cunningham ME, (1) Yao D, (1) Meehan GR, (1) Barrie JA, (1) Willison HJ. (1) University of Glasgow, Glasgow, United Kingdom
17.00 - 18.00
Coffee + Poster Viewing

18.00 - 19.00
Hot Topics Symposium

18.00
SUBCUTANEOUS IMMUNOGLOBULIN FOR MAINTENANCE TREATMENT IN CHRONIC INFLAMMATORY DEMYELINATING POLYNEUROPATHY (CIDP), A MULTICENTER RANDOMIZED DOUBLE-BLIND PLACEBO-CONTROLLED TRIAL: THE PATH STUDY
Ivo van Schaik
(1) van Schaik IN, (2) Bril V, (3) van Geloven N, (4) Hartung H-P, (5) Lewis RA, (6) Sobue G, (7) Lawo J-P, (7) Mielke O, (7) Durn BL, (8) Cornblath DR, (9) Merkies ISJ and on behalf of the PATH study group. (1) Department of Neurology, Academic Medical Centre, University of Amsterdam, Amsterdam, The Netherlands; (2) Department of Medicine (Neurology), University Health Network, University of Toronto, Toronto, Canada; (3) Department of Biostatistics and Bioinformatics, Leiden University Medical Center, Leiden, The Netherlands; (4) Department of Neurology, Heinrich Heine University, Düsseldorf, Germany; (5) Department of Neurology, Cedars-Sinai Medical Center, Los Angeles, CA, USA; (6) Department of Neurology, Nagoya University Graduate School of Medicine, Nagoya, Japan; (7) CSL Behring, Marburg, Germany and King of Prussia, PA, USA; (8) Department of Neurology, Johns Hopkins University School of Medicine, Baltimore, MD, USA; (9) Department of Neurology, Maastricht University Medical Center, Maastricht, The Netherlands.

18.15
Thalidomide therapy for POEMS syndrome: a multicenter, randomized, double blind, placebo controlled trial with long-term extension study
Sonoko Misawa
(1) Misawa S, (2) Sato Y, (2) Katayama K, (1) Sekiguchi Y, (1) Amino H, (1) Suichi T, (1) Kuwabara S, and J-POST trial study group. (1) Department of Neurology, Graduate School of Medicine, Chiba University, Chiba, Japan; (2) Clinical Research Center, Chiba University Hospital, Chiba, Japan

18.30
EFFECT OF PATISIRAN ON NERVE FIBER DENSITY AND AMYLOID CONTENT IN SKIN: RESULTS FROM PHASE 2 OPEN LABEL EXTENSION (OLE) STUDY IN hATTR AMYLOIDOSIS
Michael Polydefkis
(1) Polydefkis M, (1) Ebenezer G, (2) Adams D, (3) Coelho T, (4) Conceicao I, (5) Waddington Cruz M, (6) Schmidt H, (7) Buades J, (8) Campistol J, (9) Pouget J, (10) Berk J, (11) Partisano A, (11) Chen J, (11) Gollob J, (12) Suhr O. (1) Johns Hopkins University, Baltimore, USA; (2) National Reference Center for FAP (NNERF)/ APHP/INSERM U 1195/ CHU Bicêtre, France; (3) Hospital de Santo António, Centro Hospitalar do Porto, Porto, Portugal; (4) Hospital de Santa Maria, Lisbon, Portugal; (5) Hospital Universitário, Federal University of Rio de Janeiro; Rio de Janeiro, Brazil; (6) University Hospital Münster, Munster, Germany; (7) Hospital Son Llatzer, Palma, Spain; (8) Hospital Clinic, University of Barcelona, Barcelona, Spain; (9) Hôpital de La Timone, Marseille, France; (10) Boston University, Boston, USA; (11) Alnylam Pharmaceuticals, Cambridge, USA; (12) Umeå University, Umeå, Sweden.
18.45  MRI QUANTIFICATION OF INTRAMUSCULAR FAT ACCUMULATION IN CMT1A: FOUR YEAR FOLLOW UP DATA

Jasper Morrow
(1) Evans ME, (1) Morrow JM, (2) Wastling S, (2) Sinclair CDJ, (3) Fischmann A, (2) Shah S, (2) Emira AK, (1) Hanna MG, (2) Yousyn TA, (2) Thornton JS, (1) Reilly MM. (1) MRC Centre for Neuromuscular Diseases, UCL Institute of Neurology, London, UK; (2) Neuroradiological Academic Unit, UCL Institute of Neurology, London, UK; (3) University of Basel Hospital, Basel, Switzerland

19.00 - 20.00  Sponsor Symposia 1: Alnylam and Grifols

itta

Poster Session 1

P1_1  ANATOMICAL AND NEUROPHYSIOLOGICAL INVESTIGATIONS IN QUADRILATERAL SPACE SYNDROME

Micaela Pauni
(1,3) Bendersky M, (2) Ranaletta M, (3) Postan D (2), (1) Pauni M, (3) Tanoira I, (1) Poitevin L (1) Normal Anatomy Department, School of medicine, University of Buenos Aires, Argentina; (2) Pediatric Neurology Department, Hospital Italiano de Buenos Aires, Argentina; (3) Orthopedics and Traumatology Department, Hospital Italiano de Buenos Aires, Argentina.

P1_2  STOP NEUROMA: SURGICAL TREATMENT OF SYMPTOMATIC NEUROMA

Marietta Bertleff
Bertleff, PhD, MD, MScBA

P1_3  THE RELATIONSHIP BETWEEN MEDIAN SENSORY CONDUCTION OF MEDIAN NERVE AND ULNAR NERVE IN PATIENTS WITH CARPAL TUNNEL SYNDROME

Gulnihal Kutlu
(1) Unal Y, (2) Ozturk DA, (3) Emir GK, (4) Tosun K, (5) Kutlu G (1) Mugla Sitki Kocman University Faculty of Medicine, Department of Neurology, Mugla, Turkey (2) Mugla Sitki Kocman University Faculty of Medicine, Department of Neurology, Mugla, Turkey (3) Mugla Sitki Kocman University Faculty of Medicine, Department of Neurology, Mugla, Turkey (4) Mugla Sitki Kocman University Faculty of Medicine, Department of Biostatistics, Mugla, Turkey (5) Mugla Sitki Kocman University Faculty of Medicine, Department of Neurology, Mugla, Turkey

P1_4  PAIN-RELATED SEP AFTER SELECTIVE A-DELTA- AND C-FIBER STIMULATION IN PATIENTS WITH NEUROPATHIC PAIN AND ITS POST-TREATMENT CHANGES

Sagiri Isose

P1_5  USEFULNESS OF VARIOUS ULTRASONOGRAPHIC FINDINGS IN CARPAL TUNNEL SYNDROME

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DOPPLER ULTRASONOGRAPHY FINDING BETWEEN PRE- AND POST- OPERATION IN CARPAL TUNNEL SYNDROME

Yasufumi Sekiguchi, Shin-ichi Kikuchi, Shin-ichi Konno and Miho Sekiguchi

THE RELATIONSHIP BETWEEN CENTRAL AORTIC SYSTOLIC PRESSURE, PERIPHERAL BLOOD PRESSURE AND SYMPTOMATIC IN PATIENTS WITH AUTONOMIC DYSFUNCTION

Julia Ng

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Francisco Gondim

PHASE 1 BIOEQUIVALENCY STUDIES OF NEUROPATHIC PAIN MEDICATIONS

ZAFER SEZER

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Jae Young An

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Masayuki Baba

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Veronika Boczonadi

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Michael Cooper
P1_14  CAPILLARY DYSFUNCTION IN THE DEVELOPMENT OF DIABETIC PERIPHERAL NEUROPATHY IN ANIMAL MODELS  
Anete  Dudele  
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P1_15  MEDIAN NERVE ULTRASOUND MORPHOLOGY CADAVER SCREENING  
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P1_16  CHARACTERIZING IN VITRO MODELS OF TYPE 2 DIABETIC PERIPHERAL NEUROPATHY  
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35289  (1,2) Leal-Julià M, (2) Pagès G, (1,3,4) Casas C, (1,2,5,6) Chillón M, (1,2,4) Bosch A  
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P1_17  IN VITRO EFFECTS OF PURE GLYPHOSATE VS. GLYPHOSATE-BASED HERBICIDE ON PERIPHERAL NERVOUS SYSTEM MYELINATION  
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35554  (1) Szepanowski LP, (1) Szeplanowski F, (1) Kleinschnitz C, (1) Stettner M.  
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P1_18  CHARACTERIZATION OF THE DENDRITIC ARBOR AND THE SPINAL CHANGES THAT POSTNATAL MOTONEURONS SUFFER AFTER A PERIPHERAL NERVE INJURY  
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P1_19  THE FORGOTTEN CELL TYPE IN NEUROPATHIC PAIN: SATELLITE GLIAL CELLS  
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2King’s College London, London, United Kingdom

P1_20  NEUROTOXICITY OF PACLITAXEL: IMPACT OF NANOPARTICLE - AND SOLVENT - BASED FORMULATION  
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P1_21  ELECTRICAL STIMULATION AS A CONDITIONING LESION FOR PROMOTING PERIPHERAL NERVE REGENERATION
Jenna-Lynn Senger
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P1_22  OBESITY ATTENUATES EPIDERMAL NERVE FIBERS IN THE DISTAL LIMB
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P1_23  IMAGING OF THE LOWER CRANIAL NERVES (LCN) IN THE EXTRACRANIAL COURSE
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P1_24  THE FUNCTIONAL IMPACT OF PERIPHERAL MYELIN PROTEIN 2 (PMP2) FOLLOWING DEMYELINATION IN VITRO AND VIVO
Mark Stettner

P1_25  MARKED DECREMENT IN CMAP AMPLITUDE FOLLOWING PROLONGED EXERCISE IN SECONDARY HYPOKALEMIC PARALYSIS
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P1_26  THE FUNCTIONAL ROLE OF CONNEXINS IN PERIPHERAL MYELINATED FIBERS
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P1_27  FACIAL DIPLEGIA WITH BILATERAL FACIAL NERVE ENHANCEMENT AT 3T-MRI AND ANTI-GANGLIOSIDE ANTIBODIES
Marta Ruiz

P1_28  NEWLY DEVELOPED WALDENSTROM MACROGLOBULINEMIA DURING IMMUNOMODULATORY TREATMENT FOR ANTI-MAG ANTI-SULFATIDE CIDP
Valeria Serban
Serban V.
P1_29  LENALIDOMIDE-RESPONSIVE ANTI-MAG NEUROPATHY
32612  Amro  Stino
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P1_30  NEUROPATHY AND PRIMARY HEADACHES DO NOT AFFECT THE SAME SUBGROUPS OF PATIENTS WITH INFLAMMATORY BOWEL DISEASE (IBD)
35069  Francisco  Gondim
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P1_31  THE ROLE OF IMMUNOGLOBULIN G FC-GAMMA RECEPTOR POLYMORPHISMS IN THE PATHOGENESIS OF GUILLAIN-BARRÉ SYNDROME IN BANGLADESH
35162  Shoma  Hayat
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P1_32  FUNCTIONAL FAS/FASL PROMOTER POLYMORPHISMS ASSOCIATED WITH INCREASED RISK OF NERVE DAMAGE IN GUILLAIN–BARRÉ SYNDROME IN BANGLADESH
35195  Zhahirul  Islam
(1) Jahan I, (2) Khalid MM, (1) Ahammad RU, (1) Shahnewaj, (3) Mohmmad QD, (1) Islam Z. (1) Laboratory Sciences and Services Division, International Centre for Diarrheal Disease Research (icddr,b), Dhaka, Bangladesh; (2) Department of Biochemistry, Erasmus University Medical Centre, Rotterdam, The Netherlands; (3) National Institute of Neurosciences and Hospital, Sher-e-Bangla Nagar, Agargaon, Dhaka, Bangladesh.

P1_33  RITUXIMAB IN INTRACTABLE CIDP
35245  Bill  Jacobsen

P1_34  THE BURDEN AND JOURNEY OF PATIENTS WITH CIDP: A CASE-CONTROL ANALYSIS
35438  Girishanthy  Krishnarajah
(1) Krishnarajah S, (2) Divino V, (1) Mallick R, (2) DeKoven M. (1) CSL Behring, King of Prussia, PA, USA; (2) QuintilesIMS, Fairfax, VA, USA.

P1_35  CORNEAL CONFOCAL MICROSCOPY IN CHRONIC INFLAMMATORY DEMYELINATING POLYNEUROPATHIES
35555  Inn  Lee
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NEUROPATHY AND PRIMARY HEADACHES DO NOT AFFECT THE SAME SUBGROUPS OF PATIENTS WITH INFLAMMATORY BOWEL DISEASE (IBD)

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ACUTE DEMYELINATING POLYNEUROPATHY RESEMBLING GUILLAIN-BARRE SYNDROME IN A PATIENT TAKING THE SLIMMING PRODUCT PURA ALEGRIÁ ®

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ERAMUS GUILLAIN-BARRÉ SYNDROME RESPIRATORY INSUFFICIENCY SCORE IN JAPANESE PATIENTS

Hiroshi Amino

COEXISTENCE OF ACUTE DISSEMINATED ENCEPHALOMYELITIS AND GUILLAIN-BARRE SYNDROME WITH IG G ANTI-GT1A ANTIBODY POSITIVITY

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A COMPARISON OF CLINICAL AND ELECTROPHYSIOLOGICAL PROFILES IN POEMS SYNDROME AND CHRONIC INFLAMMATORY DEMYELINATING POLYNEUROPATHY

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INVESTIGATION OF THE VARIATION OF MOTOR CONDUCTION VELOCITY BY USING HOPF’S COLLISION TECHNIQUE IN CIDP PATIENTS

Jan Buermann
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TOTAL COMPOUND MUSCLE ACTION POTENTIAL DURATION: A NEW USEFUL ELECTROPHYSIOLOGICAL MEASURE FOR EARLY GBS DIAGNOSIS

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CHRONIC INFLAMMATORY DEMYELINATING POLYNEUROPATHY ASSOCIATED WITH LYMPHOMA: MONOCENTRIC STUDY.

Cécile Cauquil

CONTRIBUTION OF PLEXUS MRI IN CIDP WITHOUT EFNS PNS DEFINITE ELECTROPHYSIOLOGICAL CRITERIA

Guillaume Fargeot

SEMI-AUTOMATED MUSCLE MRI-VOLUMETRY FOR MYOPATHY AND NEUROPATHY PATIENTS

Burkhard Gess
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TREATMENT OF PARAPROTEINAEMIC NEUROPATHIES – A SINGLE-CENTRE AUDIT

Robert Hadden
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GUILLAIN BARRÉ SYNDROME IN A HO CHI MINH CITY, VIETNAM HOSPITAL

Nohia Hoang Tien Trong
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SUBACUTE INFLAMMATORY DEMYELINATING POLYRADICULONEUROPATHY WITH TREATMENT-RELATED FLUCTUATIONS

Yoon-Ho Hong
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MARKERS AND INTENSIVE THERAPIES FOR GUILLAIN- BARRÉ SYNDROME WITH POOR PROGNOSIS; A RETROSPECTIVE STUDY IN JAPAN

Yuko Yamagishi
(1) Yamagishi Y, (1) Suzuki H, (2) Sonoo M, (3) Kuwabara S, (4) Yokota T, (5) Nomura K, (6) Chiba A, (7) Kaji R, (8) Kanda T, (9) Kaida K, (10) Ikeda S, (11) Mutoh T, (12) Kira J, (13) Takashima H, (14) Matsui M, (15) Nishiyama K, (16) Sobue G, (1) Kusunoki S. (1) Department of Neurology, Kindai University, Osaka-sayama, Japan; (2) Teikyo University, Tokyo, Japan; (3) Chiba University, Chiba, Japan; (4) Tokyo Medical and Dental University, Tokyo, Japan; (5) Saitama Medical Center, Saitama Medical University, Saitama, Japan; (6) Kyorin University, Mitaka, Japan; (7) Tokushima University, Tokushima, Japan; (8) Yamaguchi University, Ube, Japan; (9) National Defense Medical College, Tokorozawa, Japan; (10) Shinshu University, Matsumoto, Japan; (11) Fujita Health University School of Medicine, Toyoake, Japan; (12) Kyushu University, Fukuoka, Japan; (13) Kagoshima University, Kagoshima, Japan; (14) Kanazawa Medical University, Kahoku-gun, Japan; (15) Kitazato University, Sagamihara, Japan; (16) Nagoya University, Nagoya, Japan.
P1_50 CHANGES OF SERUM IGG DIMER LEVELS AFTER TREATMENT WITH IVIG IN GUILLAIN-BARRÉ-SYNDROME

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P1_51 COMPARISON OF TWO-YEAR RESPONSE TO LENALIDOMIDE OR PERIPHERAL BLOOD STEM-CELL TRANSPLANTATION IN PATIENTS WITH POEMS

Mariangela Bianco
Bianco M (1), Terenghi F(1), Gallia F(1), Nozza A (2), Scarale A (1), Fayouni MZ (1), Giannotta C(1), Morenghi E (3), Nobile-Orazio E (1). (1)Department of Medical Biotechnology and Translational Medicine, Milan University, Neuromuscular and Neuroimmunology Service, Humanitas Clinical and Research Center; (2) Department of Medical Oncology and Hematology, Humanitas Clinical and Research Centre, Rozzano, Milan, Italy; (3) Biostatistic Unit, Humanitas Clinical and Research Centre, Rozzano, Milan

P1_52 CLINICOPATHOLOGICAL FEATURES AMONG CIDP SUBTYPES

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P1_53 NEUROLOGICAL COMPLICATIONS IN MIDDLE EAST RESPIRATORY SYNDROME

Jee-Eun Kim
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P1_54 NEUROPATHY IN RHEUMATOID ARTHRITIS: VASCULITIC OR IMMUNE-MEDIATED NEUROPATHY

Masaki Kobayashi
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P1_55 PLEXIC MRI AND POSITRON EMISSION TOMOGRAPHY (PET) MERGE: A NEW TOOL FOR THE INVESTIGATION OF PERIPHERAL NERVES ?

Celine Labeyrie

P1_56 NEUROFASCIN ANTIBODIES IN AUTOIMMUNE, GENETIC AND IDIOPATHIC NEUROPATHIES.

Eric Lancaster
AFTERDISCHARGES FOLLOWING M WAVES IN PATIENTS WITH VOLTAGE-GATED POTASSIUM CHANNELS ANTIBODIES

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INFLUENCE OF BASELINE NEUROLOGIC SEVERITY ON DISEASE PROGRESSION AND THE ASSOCIATED DISEASE-MODIFYING EFFECTS OF TAFAMIDIS IN TRANSTHYRETIN FAMILIAL AMYLOID POLYNEUROPATHY

Leslie Amass

PRELIMINARY RESULTS FOR CHARCOT-MARIE-TOOTH PATIENT-REPORTED SURVEY

Kenneth Attie
(1) Moore A, (1) Ekins S, (1) Tockarshewsky T, (2) Nguyen TQ, (2) Miller B, (2) Glasser CE, (2) Attie KM, (2) Johnson K, (3) Statland JM, (4) Ramchandren S, (5) Walk D, (6) Nussbaum J. (1) Hereditary Neuropathy Foundation, New York, USA; (2) Acceleron Pharma, Cambridge, USA; (3) University of Kansas Medical Center, Kansas City, USA; (4) University of Michigan, Ann Arbor, USA; (5) University of Minnesota, Minneapolis, USA; (6) ProHealth & Fitness New York, USA.

CHARCOT MARIE TOOTH DISEASE ASSOCIATED WITH AGENESIS OF THE CORPUS CALLOSUM: A HETEROGENEOUS ENTITY?

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THE GENE MUTATION OF CHINESE PROBANDS WITH CHARCOT-MARIE-TOOTH DISEASE

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DUPLICATION OF MYELIN PROTEIN ZERO CAUSING EARLY ONSET CHARCOT MARIE TOOTH DISEASE TYPE 1B

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CLINICAL AND MAGNETIC RESONANCE IMAGING FEATURES OF THREE NOVEL MUTATIONS IN THE BICD2 GENE

Marina Frasquet
(1,2) Frasquet M, (3) Lupo V, (1,4) Mas F, (2) Vilchez R, (1,5) Chumillas MJ, (3) Espinós C, (1,5,6) Sevilla T. (1) Hospital Universitari i Politècnic La Fe, Valencia, Spain; (2) Instituto de Investigación Sanitaria La Fe, Valencia, Spain; (3) Centro de Investigación Príncipe Felipe, Valencia, Spain; (4) ERESA, Valencia, Spain; (5) Centro de Investigación Biomédica en enfermedades raras (CIBERER); (6) Departamento Medicina Universitat de Valencia, Valencia, Spain.
GAIT IN CHILDREN AND ADOLESCENTS WITH CHARCOT-MARIE-TOOTH DISEASE: A CASE CONTROLLED STUDY OF GAIT IN DIFFERENT FOOTWEAR CONDITIONS

Rachel Kennedy
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IMPAIRED MOTOR AXON EXCITABILITY IN A MOUSE MODEL OF CMT1A

Christian Krarup
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TARGETED NEXT-GENERATION SEQUENCING (NGS) PANELS IN CMT: A RETROSPECTIVE COMPARATIVE STUDY IN UK AND US TERTIARY REFERRAL CENTRES

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IS PMP22 DUPLICATION THE ONLY COPY NUMBER VARIATION (CNV) RESPONSIBLE FOR CHARCOT-MARIE-TOOTH DISEASE? NEW CNV DISCOVERED USING COV’COP

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CHARCOT-MARIE-TOOTH DISEASE TYPE 1C: CLINICAL AND ELECTROPHYSIOLOGICAL FINDINGS FOR THE C.334G>A (P.GLY112SER) LITAF/SIMPLE MUTATION

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EXTREME VARIABILITY IN DISEASE SEVERITY IN A FAMILY WITH A NOVEL EGR2 MUTATION

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(1) Feely SME, (1) Saade D, (1) Shy ME
(1) University of Iowa Carver College of Medicine

MUTATION SPECTRUM IN A TURKISH CHARCOT-MARIE-TOOTH DISEASE COHORT

Ayse Candayan
Candayan A1, Atkinson D2, Durmus Tekce H3, Parman Y3, Jordanova A2, Battaloglu E1
1Bogazici University Department of Molecular Biology and Genetics, Istanbul, Turkey
2 Antwerp University, Center for Molecular Neurology, Antwerp, Belgium
3Istanbul University, Istanbul Medical School, Istanbul, Turkey
**P1_71**

**SCREENING OF HINT1 MUTATIONS ASSOCIATED WITH RECESSIVE AXONAL NEUROPATHY IN A BRAZILIAN COHORT**

Pedro José Tomaselli

Rocha AM, Tomaselli PJ (1), Gouveia SP (2), Figueiredo FB (2), Lourenço CM (1), Marques W Jr (1, 2) (1) Division of Neuromuscular Diseases, Department of Neurosciences and Behaviour Sciences, Clinical Hospital of Ribeirão Preto, University of São Paulo, Ribeirão Preto, Brazil. (2) Neurogenetics, Department of Neurosciences and Behaviour Sciences, University of São Paulo, Ribeirão Preto, Brazil.

**P1_72**

**CHARCOT-MARIE-TOOTH DISEASE ASSOCIATED WITH DEAFNESS AND/OR SCOLIOSIS: NEW MUTATIONS DISCOVERED IN SH3TC2 GENE**

A Lunati


**P1_73**

**AUTOSOMAL RECESSIVE MME MUTATIONS BROADEN THE CLINICAL PHENOTYPE ASSOCIATED WITH CMT2T**

Vincenzo Lupo

Lupo V1,2, Frasquet M3,4, Sánchez-Monteagudo A1,2, Barreiro M3, Alberti MA5, Casasnoves C5, Quintáns B4,6,7, Camacho A8, Domínguez C8, Sedano MJ9, Pelayo AL9, Pardo J10, Sobrino T10, Sobrido MJ4,6,7, Sevilla T3,4, Espínos C1,2. 1Centro de Investigación Príncipe Felipe, Valencia, Spain; 2INCLIVA & IIS La Fe Rare Diseases Joint Units, Valencia, Spain; 3Hospital Universitari i Politècnic La Fe, Valencia, Spain; 4CIBER of Rare Diseases (CIBERER); 5Hospital Bellvitge, Barcelona, Spain; 6Instituto de Investigaciones Sanitarias (IDIS), Santiago de Compostela, Spain; 7Fundación Pública Galega de Medicina Xenómica, Santiago de Compostela, Spain; 8Hospital 12 de Octubre, Madrid, Spain; 9Hospital Universitario Marqués de Valdecilla, Santander, Spain; 10Hospital Clínico Universitario Santiago de Compostela, Santiago de Compostela, Spain.

**P1_74**

**UPDATING THE CLASSIFICATION OF CMT AND RELATED NEUROPATHIES. RESULTS OF AN INTERNATIONAL SURVEY**

Laurent Magy

Magy L (1), Mathis S (2), Goizet S (3), Tazir M (4), Vallat J-M (1) (1) National reference center for rare peripheral neuropathies, Department and laboratory of Neurology, CHU Limoges, France (2) Department of Neurology, CHU Bordeaux, France (3) Department of Medical Genetics, CHU Bordeaux, France (4) Department of Neurology, CHU Algiers, Algeria

**P1_75**

**FUNCTIONAL OUTCOMES OF SURGICAL INTERVENTIONS IN ADOLESCENTS WITH CHARCOT-MARIE-TOOTH DISEASE: A DETAILED EVALUATION USING MOTION ANALYSIS**

Sylvia Ounpuu

Ounpuu S1,2, Pogemiller K1, Acsadi G2,3, and Pierz K1,2,4. 1Center for Motion Analysis, Connecticut Children's Medical Center, Farmington, CT, USA 2School of Medicine, University of Connecticut, Farmington, CT, USA 3Division of Neurology, Connecticut Children’s Medical Center, Farmington, CT, USA 4Division of Orthopaedics, Connecticut Children's Medical Center, Farmington, CT, USA
P1_76  DIAGNOSTIC CHALLENGES IN AMYLOID NEUROPATHIES  
35569  
Michael Polydefkis  
Polydefkis, Michael, Neuhaus, Sarah, Doherty, Leana, Ebenezer, Gigi J

P1_77  TESTING OVERWORK WEAKNESS IN CHARCOT-MARIE-TOOTH (CMT) DISEASE: IS IT TRUE OR FALSE?  
34954  
Valeria Prada  

P1_78  FUNCTIONAL CONSEQUENCES OF HIP DYSPLASIA IN PAEDIATRIC CHARCOT-MARIE-TOOTH DISEASE  
34918  
Leanne Purcell  
Purcell, Leanne, Wojciechowski, E, Gibbons, P, Jamil, K, Menezes, M, Burns, J.

P1_79  PREDICTING AMBULATORY AID NEED WITH DISEASE PROGRESSION IN CHARCOT-MARIE-TOOTH DISEASE  
34301  
Sindhu Ramchandren  
Ramchandren, Sindhu, Moore, J, Hornyak, JE, University of Michigan, Ann Arbor, MI, USA;

P1_80  CMT2B2 IN CZECH PATIENTS WITH DIFFERENT GLAUCOMA PHENOTYPES AND THREE NOVEL SBF2 MUTATIONS, ONE OF THEM DE-NOVO.  
35512  
Pavel Seeman  
Seeman, Pavel, Neupauerová, J, Mazanec, R, Senderek, J, Dept of Pediatric Neurology, 2nd Medical Faculty, Charles University, Prague, Czech Republic;

P1_81  QUANTITATIVE MUSCLE ULTRASOUND AS A BIOMARKER IN CHARCOT-MARIE-TOOTH NEUROPATHY  
35563  
Nortina Shahrizaila  
Shahrizaila, Nortina, Noto, Y, Simon, NG, Huynh, W, Shibuya, K, Matamala, J, Dharmadasa, T, Devenney, E, Kennerson, ML, Nicholson, GA, Kiernan, MC, University of Sydney, Camperdown, Australia; (2) Department of Neurology, Faculty of Medicine, University of Malaya, Kuala Lumpur, Malaysia; (3) St Vincent's Clinical School, University of New South Wales, Darlinghurst, Australia; (4) ANZAC Research Institute and Sydney Medical School, University of Sydney, Sydney, Australia.

P1_82  CHARACTERISTIC OF RECOVERY FROM MUSCLE FATIGUE IN CHARCOT-MARIE-TOOTH PATIENTS WITH ELECTROMYOGRAPHIC STUDY (THIRD REPORT)  
34428  
Toshinori Shimoi  
Shimoi, Toshiro, Yamada, T, International University of Health and Welfare, Tochigi, Japan; (2) CMT Japan, Tokyo, Japan.
P1_83  IS IT RELEVANT TO KEEP THE DEJERINE-SOTTAS SYNDROME AS AN ENTITY IN THE 21st CENTURY?
Jean-Michel Vallat
(1) Vallat JM, (2) MD (Department of Neurology, CHU Limoges, France), Magy L, MD PhD (Department of Neurology, CHU Limoges, France), (3) Mathis S, MD PhD (Department of Neurology, Nerve-Muscle Unit, CHU Bordeaux, France).

P1_84  CHARCOT-MARIE-TOOTH DISEASE TYPE-2 ASSOCIATED WITH TWO MISSENSE MUTATION IN MME GENE
Elisa Vegezzi
(1) Vegezzi E, (2) Cortese A, (1) Callegari I, (2) Rossor AM, (3) Houlden H, (2) Reilly MM. (1) Neuroscience Consortium, University of Pavia, Monza Policlinico and Pavia Mondino, Italy; (2) MRC Centre for Neuromuscular Diseases, National Hospital for Neurology and Neurosurgery, UCL Institute of Neurology, Queen Square, London, UK; (3) Department of Molecular Neuroscience, UCL Institute of Neurology, London, UK; National Hospital for Neurology and Neurosurgery, Queen Square, London, UK.

P1_85  3D PRINTING ANKLE-FOOT ORTHOSES FOR CHILDREN WITH CMT: A REVIEW OF THE LITERATURE
Elizabeth Wojciechowski
(1,2) Wojciechowski E, (1) Chang A, (1,2) Cheng T, (1,2) Little D, (1,2) Menezes MP, (2) Hogan S, (1,2) Burns J. (1) University of Sydney, New South Wales, Australia; (2) Sydney Children’s Hospitals Network (Randwick and Westmead), New South Wales, Australia.

P1_86  THE EFFECTS OF A PHYSICAL THERAPY PROGRAM ON BALANCE, MOBILITY, AND QUALITY OF LIFE IN PATIENTS WITH CHARCOT-MARIE-TOOTH PERIPHERAL NEUROPATHY: A RETROSPECTIVE REPORT
James Nussbaum
(1) James Nussbaum. (1) ProHealth & Fitness New York, NY

P1_87  A SENSITIVE MEASURE OF VIBRATION SENSE IN THE CMTNSv2
Chelsea Bacon
Bacon C(1), Feely SME(1), Shy ME(1)

P1_88  MRI FAT FRACTION OF TIBIALIS ANTERIOR MUSCLE CORRELATES WITH DISABILITY IN CHARCOT-MARIE-TOOTH DISEASE TYPE 1A.
Joachim Bas
(1) Bas J, (1, 2) Delmont E, (3) Le Troter A, (1) Fatehi F, (1, 5) Salort-Campana E, (1) Sévy A, (1) Verschueren A, (1, 5) Pouget J, (4) Lefebvre MN, (1) Grapperon AM, (3) Bendahan D, (1, 5) Attarian S. (1) Reference Center for Neuromuscular Diseases and ALS, La Timone University, Aix-Marseille University, Marseille, France (2) Aix-Marseille University, UMR 7286, Medicine Faculty, Marseille, France (3) CRMBM, CNRS, La Timone University Hospital, Aix-Marseille University, Marseille, France (4) CIC-CPCET, La Timone University Hospital, Aix-Marseille University, Marseille, France (5) Aix-Marseille University, Inserm, GMGF, Marseille, France

P1_89  LONGITUDINAL MODELING OF DISEASE-PROGRESSION IN TRANSTHYRETIN FAMILIAL POLYNEUROPATHY WITH TAFAMIDIS
Martin Boucher
(1) Boucher M, (2) Riley S, (1) Harnisch L. (1) Pfizer Inc, Sandwich, UK; (2) Pfizer Inc, Groton, CT, USA
CARDIAC SCINTIGRAPHY IS A USEFUL TOOL FOR THE DIAGNOSIS, PROGNOSIS AND PRE-SYMPTOMATIC EARLY DETECTION OF FAMILIAL AMYLOIDOSIS ASSOCIATED NEUROPATHIES

Tayla Romão

MONDAY 10 JULY 2017

7.30 - 8.00
Clinical Trial Updates
Coffee + Poster Viewing

Poster Session 2 (see end of Monday for poster titles)

8.30 - 9.00
Plenary 3: Jeff Milbrandt - JW Griffin Lecture
METABOLIC SUPPORT OF AXONS BY SCHWANN CELLS

9.00 - 10.00
Oral Abstracts

9.00
CONSERVED BIOENERGETIC SIGNATURE IN PERIPHERAL NERVE OF BKS-DB/DB AND HIGH FAT DIET MICE WITH NEUROPATHY

O4_1
Lucy Hinder
Hinder LM, Backus C, Hayes JM, Feldman EL. University of Michigan, Ann Arbor, MI, USA

9.15
MUTATION IN GLYCYL-tRNA SYNTHETASE IMPAIR MITOCHONDRIAL METABOLISM IN NEURONS

O4_2
Veronika Boczonadi
Boczonadi V, Meyer K, Gonczarowska-Jorge H, Bartsakoulia M, Roos A, Bansagi B, Zahedi RP, Talim B, Bruni F, Kaspar B, Lochmüller H, Boycott KM, Müller JS, Horvath R. JWMDRC, WTCMR, IGM, Newcastle University, Newcastle upon Tyne, UK; RINC, Columbus, Ohio USA; Leibniz-Institute für Analytische Wissenschaften -ISAS- e.V., Dortmund, Germany; CAPES Foundation, Brazil; Department of Pediatrics, Hacettepe University Children's Hospital, Ankara, Turkey; Department of Genetics, CHEO, University of Ottawa, Canada
CRITICAL ROLE FOR MONOCARBOXYLATE TRANSPORTER (MCT1) IN DEVELOPING AND REGENERATING PERIPHERAL NERVES

Brett Morrison
Jha MK, Russell K, Lee Y, Rothstein JD, Morrison BM. Departments of Neurology and Brain Science Institute, Johns Hopkins University School of Medicine, Baltimore MD, USA

MUSCARINIC RECEPTOR SIGNALING CONSTRAINS AXONAL OUTGROWTH BY AUGMENTING DISSOLUTION OF THE CYTOSKELETON IN ADULT SENSORY NEURONS

Mohammad Golam Sabbir
Sabbir MG1, Calcutt NA2 and Fernyhough P1, 3. 1Division of Neurodegenerative Disorders, St. Boniface Hospital Albrechtsen Research Centre, Winnipeg, MB, Canada, 2Department of Pathology, University of California San Diego, California USA and 3Dept of Pharmacology & Therapeutics, University of Manitoba, MB, Canada.

DISTAL SENSORIMOTOR POLYNEUROPATHY FOLLOWING 13 YEARS OF TYPE 2 DIABETES ASSESSED BY THE MICHIGAN NEUROPATHY SCREENING INSTRUMENT QUESTIONNAIRE. A PROSPECTIVE STUDY, THE ADDITION DENMARK STUDY.

Signe Toft Andersen
Andersen ST1,2, Witte DR1,3, Dalsgaard EM1, Andersen H2,4, Nawroth P5, Flemming T5, Jensen T6, Finnerup NB2,7, Jensen TS2,7, Lauritzen T1, Charles M1,2

TREATMENT INDUCED NEUROPATHY OF DIABETES MELLITUS IS UNCOMMON IN A GENERAL DIABETES MELLITUS COHORT

Jasmine Koh
(1)Koh SJ, (2)Wong SHJ, (2)Loh KW, (3)Chng YSK, (3)Pawa C, (4)Ei MA, (2)Lee BJH, (5)Subramaniam T, (1)T. Umapathi. (1) National Neuroscience Institute, Singapore; (2) Lee Kong Chian School of Medicine, Nanyang Technological University, Singapore; (3) Yong Loo Lin School of Medicine, National University Singapore, Singapore; (4) Tan Tock Seng Hospital, Singapore; (5) Khoo Teck Puat Hospital, Singapore.

DIFFERENTIAL EFFECT OF SATURATED AND UNSATURATED FATTY ACIDS ON MITOCHONDRIAL TRAFFICKING IN DORSAL ROOT GANGLION SENSORY NEURONS

Amy Rumora
(1) Rumora AE, (1) Hayes JM, (1) LoGrasso G, (1) Haidar J, (1) Dolkowski J, (2) Lentz SI, and (1) Feldman EL. (1) Department of Neurology, University of Michigan, Ann Arbor, MI 48109 USA; (2) Department of Internal Medicine, Division on Metabolism, Endocrinology and Diabetes, University of Michigan, Ann Arbor, MI 48105 USA

RESPONSIVENESS OF CORNEAL CONFOCAL MICROSCOPY TO DIABETIC NEUROPATHY PROGRESSION

Gordon Smith
Smith AG, Thurgood B, Revere C, Hauer P, Aperghis A, Singleton JR University of Utah, Salt Lake City, Utah, USA
OP3_5  GENOMIC ANALYSIS REVEALS FREQUENT TRAF7 MUTATIONS IN INTRANEURAL PERINEURIOMAS
Michelle Mauermann
Klein CJ, Wu Y, Jentoft ME, Mer G, Spinner RJ, Dyck PJB, Dyck PJ, Mauermann ML, Mayo Clinic, Rochester, USA

OP3_6  IMPAIRMENT OF AUTOPHAGY AS A POSSIBLE PATHOMECHANISM FOR CMT CAUSING MUTATIONS IN HSPB1
Mansour Haidar
Haidar M1, De Winter V1, Asselbergh B1, Bouhy D1, Timmerman V1. 1 Peripheral Neuropathy Research Group, VIB, University of Antwerp, Antwerp, Belgium

OP3_7  CHARCOT–MARIE–TOOTH DISEASE TYPE 2G REDEFINED BY A NOVEL MUTATION IN LRSAM1
Paulius Palaima
Palaima P., Peeters K., Pelayo-Negro A., García A., Gallardo E., García-Barredo R., De Vriendt E., Infante J., Berciano J., Jordanova A. 1 VIB and University of Antwerp, Center for Molecular Neurology, Molecular Neurogenomics Group, Antwerp, Belgium; 2 University Hospital “Marqués de Valdecilla”, Santander, Spain

OP3_8  GENETIC HETEROGENEITY OF MOTOR NEUROPATHIES
Boglarka Bansagi
Bansagi B, Griffin H, Whittaker R, Antoniadi T, Evangelista T, Miller J, Greenslade M, Forester N, Duff J, Kleinle S, Boczonadi V, Steele H, Ramesh V, Franko E, Pyle A, Lochmüller H, Chinnery PF, Horvath R. 1 MRC Centre for Neuromuscular Diseases and John Walton Muscular Dystrophy Research Centre, Institute of Genetic Medicine Institute of Genetic Medicine, Newcastle University, Newcastle upon Tyne, UK; 2 Institute of Neuroscience, Newcastle University, Newcastle upon Tyne, UK; 3 Bristol Genetics Laboratory, Pathology Sciences, North Bristol NHS Trust, Southmead Hospital, Bristol, UK; 4 Medical Genetic Center, Munich, Germany; 5 Department of Paediatric Neurology, Royal Victoria Infirmary, Newcastle upon Tyne Foundation Hospitals NHS Trust, Newcastle upon Tyne, UK; 6 Nuffield Department of Clinical Neurosciences, University of Oxford, Oxford, UK; 7 Department of Clinical Neurosciences, Cambridge Biomedical Campus, University of Cambridge, Cambridge, UK

OP3_9  A BREED-PREVALENT CANINE MODEL OF LATE ONSET PERIPHERAL NEUROPATHY
Susannah Sample
FUNCTIONAL IMPLICATIONS OF HAND IMPAIRMENT IN PEDIATRIC CHARCOT-MARIE-TOOTH

OP3_10

35017

Timothy Estilow

Estilow T1, Glanzman AM1, Burns J2 Cornett KMD2, Menezes MP2, Shy R3, Moroni I4, Foscan M4, Pagliano E4, Pareyson D4, Laura M5, Bhandari T6, Muntoni F6, Reilly MM5, Finkel RS7, Sowden J8, Eichinger K8, Herrmann DN8, Shy ME9, Yum SW10 and Ramchandren S;11 on behalf of the Inherited Neuropathies Consortium 1The Children’s Hospital of Philadelphia, Philadelphia, USA; 2University of Sydney & Children’s Hospital at Westmead, Sydney, Australia; 3Carver College of Medicine, Department of Pediatrics, University of Iowa, Iowa City, USA; 4IRCCS Foundation, Carlo Besta Neurological Institute, Milan, Italy; 5MRC Centre for Neuromuscular Diseases, UCL Institute of Neurology, Queen Square, London, UK; 6UCL Institute of Child Health & Great Ormond Street Hospital, London, UK; 7Neuromuscular Program, Division of Neurology, Nemours Children’s Hospital, Orlando, USA; 8Department of Neurology, University of Rochester, Rochester, NY, USA; 9 Carver College of Medicine, Department of Neurology, University of Iowa, Iowa City, USA; 11The Children’s Hospital of Philadelphia, Department of Neurology, Perelman School of Medicine, University of Pennsylvania, PA, USA 11Department of Neurology, University of Michigan, Ann Arbor, Michigan, USA

DISEASE PROGRESSION IN CHARCOT-MARIE-TOOTH DISEASE TYPE 1A: A LONGITUDINAL STUDY USING RASCH ANALYSIS-BASED WEIGHTED CMT NEUROPATHY SCORES

OP3_11

35045

Vera Fridman

(1) Fridman V, (1) Sillau S., on behalf of the (2) Inherited Neuropathies Consortium (INC). (1) University of Colorado Hospital, Aurora, CO, USA, (2) University of Iowa Hospitals and Clinics, Iowa City, IA, USA.

INTRATHECAL GENE THERAPY IN DIFFERENT MUTANT MOUSE MODELS OF CMT1X

OP3_12

34552

Alexia Kagiava

Kagiava A1, Karaikous C1, Richter J2, Tryfonos C2, Lathatis G1, Sargiannidou I1, Christodoulou C2, Kleopa KA1,3. 1Neuroscience Laboratory, 2Department of Molecular Virology and 3Neurology Clinics, Cyprus School of Molecular Medicine, The Cyprus Institute of Neurology and Genetics, Nicosia, Cyprus.

ROLE OF X-BOX BINDING PROTEIN 1 (XBP1) IN CHARCOT-MARIE-TOOTH DISEASE TYPE 1B

OP3_13

35148

Thierry Touvier

(1) Touvier T, (1) Ferri C, (1) Mastrangelo R, (2,3) Glimcher L, (4,5,6) Wrabetz L, (1) D’Antonio M. (1) Myelin Biology Unit, Division of Genetics and Cell Biology, San Raffaele Scientific Institute, DIBIT, Milan, Italy, (2) Department of Cancer Immunology and Virology, Dana-Farber Cancer Institute, Boston, USA, (3) Department of Medicine, Harvard Medical School, Boston, USA, (4) Hunter James Kelly Research Institute and Departments of (5) Biochemistry and (6) Neurology, Jacobs School of Medicine and Biomedical Sciences, University at Buffalo, Buffalo, USA.

RANDOMISED TRIAL OF PROGRESSIVE RESISTANCE EXERCISE FOR CHILDHOOD CHARCOT-MARIE-TOOTH DISEASE

OP3_14

35112

Joshua Burns

(1,2) Burns J, (1) Sman AD, (1) Cornett KMD, (1,2) Wojciechowski E, (1) Walker T, (1,2) Menezes MP, (1) Mandarakas MR, (1,2) Rose KJ, (1,2) Bray P, (2) Sampaio H, (2,3) Farrar M, (1) Refshauge KM, (1) Raymond J for the FAST Study Group. (1) University of Sydney, New South Wales, Australia; (2) Sydney Children’s Hospitals Network (Randwick and Westmead), New South Wales, Australia; (3) University of New South Wales, Sydney, Australia.
NOCICEPTIN/ORPHANIN FQ OPIOID PEPTIDE (NOP) RECEPTOR EXPRESSION IN PACHYONYCHIA CONGENITA (PC)

Baohan Pan
(1) Baohan Pan, (2) Wolfgang Schröder, (2) Ruth Jostock, (3) Mary Schwartz, and (1) Michael Polydefkis
(1) Department of Neurology, The Johns Hopkins University SOM, Baltimore, USA; (2) Translational Science & Intelligence (WS) and In-vitro Biology & Biomarker Research Unit (RJ), Grünenthal GmbH, Aachen, Germany; (3) Pachyonychia Congenita Project. Salt Lake City, USA.

12.00 - 14.00
PNS Business Meeting

12.00 - 14.00
Lunch + Poster Viewing

14.00 - 18.00
Individual Meetings 2: Diabetes, CMTR and INC

18.00 - 19.00
Sponsor Symposia 2: Pfizer and Kedrion

19.00 - 20.00
Junior Reception and New Members

20.00 - 20.30
Put up Posters for Poster Session 3
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<th>Poster Session 2</th>
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<td>Anandan C, Litchy WJ, Laughlin RS, Leep Hunderfund AN, Naddaf E. Mayo Clinic, Rochester, USA.</td>
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<td>Pasnoor M, Veerapaneni K, Murphy R, Statland JM, Kimple D, Hamasaki A, Glenn MD, Herbelin L, Barohn RJ, Jawdat O, Dimachkie MM. The Univeristy of Kansas Medical Center, Kansas City, KS, USA</td>
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<td>Sopacua M(1), Hoeijmakers JGJ(1), Dickman MM(1), Nuijts RMMA(1), Merkies ISJ(2), Faber CG(1). (1) Maastricht University Medical Center, Maastricht, the Netherlands; (2) St. Elisabeth Hospitaal, Willemstad, Curaçao.</td>
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<td>(1,2) Velasco R, (1) Besora S, (3) Santos C, (1) Sala R, (1) Izquierdo C, (1) Simó M, (1,3) Gil-Gil M, (3) Jiménez L, (3) Pardo B, (3) Calvo M, (3) Palmero R, (4) Clapés V, (1,2) Bruna J. (1) Neuro-Oncology Unit, Department of Neurology, University Hospital of Bellvitge- Catalan Institute of Oncology, L’Hospitalet, Barcelona, Spain. (2) Institute of Neurosciences, Department of Cell Biology, Physiology and Immunology, Universitat Autònoma de Barcelona, and Centro de Investigación Biomédica en Red sobre Enfermedades Neurodegenerativas (CIBERNED), Bellaterra, Spain. (3) Department of Medical Oncology, Hospital Duran i Reynals, Catalan Institute of Oncology, L’Hospitalet, Barcelona, Spain. (4) Department of Clinical Hematology, Hospital Duran i Reynals, Catalan Institute of Oncology, L’Hospitalet, Barcelona, Spain.</td>
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<td>SUZUKI C1, BABA M1, KON T1, FUNAMIZU Y1, UENO T1, HAGA R1, NISHIJIMA H1, ARAI A1, NUNOMURA J1, TOMIYAMA M1. 1Department of Neurology, Aomori Prefectural Central Hospital, Aomori, JAPAN.</td>
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<td>(1) Pau Yen Wu, (2) Xiaofang Yang, (3) Julie A. Christianson (4) Douglas E. Wright (1)(2)(3)(4) University of Kansas Medical Center, Kansas City, USA</td>
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<td>(1) Lee Kong Chian School of Medicine, Nanyang Technological University, Singapore (2) National Neuroscience Institute, Singapore, Singapore</td>
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THE AXONAL PROPERTIES IN PREDIABETIC PATIENTS

Yi-Chen Lin
(1) Lin Y. (2) Sung J. (3) Chang T. (4) Jowy T. (1) Department of Neurology, Taipei Municipal Wanfang Hospital, Taipei, Taiwan; (2) Department of Neurology, Taipei Municipal Wanfang Hospital, Taipei, Taiwan; (3) Department of Neurology, Taipei Municipal Wanfang Hospital, Taipei, Taiwan; (4) Department of Neurology, Taipei Municipal Wanfang Hospital, Taipei, Taiwan

AUTONOMIC NERVE FIBER INVOLVEMENT IN CHEMOTHERAPY-INDUCED PERIPHERAL NEUROPATHY

Ying Liu
Liu Y, Liu B, Sebastian B, Wozniak KM, Wu Y, Slusher B, Polydefkis M. Johns Hopkins School of Medicine, Baltimore, USA,

ADIPOSE-NERVE SIGNALING IN PERIPHERAL NEUROPATHY

Faye Mendelson
Hinder LM, Mendelson F, Backus C, Feldman EL

THE RELATIONSHIP BETWEEN CENTRAL AORTIC SYSTOLIC PRESSURE AND PERIPHERAL BLOOD PRESSURE IN PATIENTS WITH POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME

Brandon Ng
Ng CJB, Ng JPH; Tay LB, T, Umapathi

VENTRAL ABDOMINAL SENSORY LOSS IS COMMON IN LENGTH DEPENDENT SENSORIMOTOR PERIPHERAL NEUROPATHY

Benn E. Smith

HIGH FAT FED FEMALE MICE DEVELOP PERIPHERAL NEUROPATHY DESPITE NORMAL SYSTEMIC INSULIN SIGNALING

Phillipe O'Brien
(1) Hayes JM, (1) O'Brien PD, (1) Backus C, and (1) Feldman EL (1) Department of Neurology, University of Michigan, Michigan, USA

SENSORY AXONAL DYSFUNCTION IN THE PAINFUL DIABETIC POLYNEUROPATHY

Tsui-san Chang
1) Chang TS , (1,2) Lin CS, (3,4) Tani J, (1,4) Sung JY. (1) School of Medicine, College of Medicine, Taipei Medical University, Taipei, Taiwan; (2) University of New South Wales, Sydney, Australia; (3) Taipei Medical University and National Health Research Institutes, Taipei, Taiwan; (4) Wan Fang Hospital, Taipei, Taiwan.

STRUCTURAL AND FUNCTIONAL TESTS OF NEUROPATHY IN DIABETES

Christopher Gibbons
(1) Gibbons C, (1) Garcia J, (1) Casasola M, (1) Freeman R. (1)Beth Israel Deaconess Medical Center, Harvard Medical School, Boston, USA.
P2_16  SENSORY SMALL FIBERS IMPLICATION ON INFLAMMATION REGULATION DURING SKIN PRESSURE ULCER DEVELOPMENT IN MICE

Flavien Bessaguet
(1) Bessaguet F, (1) Sturtz F, (1,2) Magy L, (1) Desmouliere A, (1) Bourthoumieu S and (1) Demiot C. (1) EA 6309 - Myelin Maintenance & Peripheral Neuropathy, Faculties of Medicine and Pharmacy, University of Limoges, Limoges, France ; (2) Department of Neurology, Reference Center for Rare Peripheral Neuropathies, University Hospital of Limoges, Limoges, France.

P2_17  EFFECTS OF MONASTROL IN BORTEZOMIB INDUCED PERIPHERAL NEUROPATHY

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EFFICACY AND SAFETY OF THREE DIFFERENT DOSAGES OF IVIG (PANZYGA®) IN PATIENTS WITH CHRONIC INFLAMMATORY DEMYELINATING POLY(RADICULO)NEUROPATHY (ProCID STUDY) – DESIGN OF A PHASE 3 STUDY

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Jonathan Katz
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MONTH OF BIRTH AS A RISK FACTOR FOR GUILLAIN-BARRÉ SYNDROME

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FLAVIVIRUS ASSOCIATED GUILLAIN-BARRÉ SYNDROME IN SINGAPORE

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A PEDIATRIC SERIES OF GUILLAIN BARRÉ SYNDROME INCLUDED IN IGOS PROTOCOL. ARGENTINIAN EXPERIENCE.

Andrea Savransky
(1) Department of Neurology, Hospital de Pediatria J.P. Garrahan, Buenos Aires, Argentine. (2) Department of Physical Therapy, Hospital de Pediatria J. P Garrahan, Buenos Aires, Argentine (3) Department of neurology. Britain Hospital, Buenos Aires Argentine.

PREDICTIVE FACTORS OF LONG-TERM DISABILITY IN CIDP

Emanuele Spina

QUANTITATIVE AUTONOMIC ASSESSMENT IN GUILLAIN-BARRÉ SYNDROME

Cheng-Yin Tan
(1) Tan CY, (1) Tan MP, (1) Yeoh KY, (1) Goh KJ, (1) Shahrizaila N. (1) Department of Medicine, University of Malaya, Kuala Lumpur, Malaysia.

LYSOPHOSPHATIDYLCHOLINE - INDUCED ACUTE DEMYELINATION AGGRAVATES MOTOR AXON DYSFUNCTION IN A MOUSE MODEL OF CMT1B

Christian Krarup
(1) Alvarez S, (1,2) Krarup C, (1,2) Moldovan M (1) Center for Neuroscience, University of Copenhagen, Denmark; (2) Department of Clinical Neurophysiology, Rigshospitalet, Copenhagen, Denmark.
P2_74  SCO2 MUTATIONS CAUSE AUTOSOMAL RECESSIVE CHARCOT-MARIE-TOOTH DISEASE
35300  Dimah Saade
(1) Saade D, (2) Pereira C, (3) Shon E, (2) Moraes C, (4) Zuchner S, (1) Shy M, (4) Rebelo A. (1) Department of Neurology, Carver College of Medicine, University of Iowa, Iowa City, USA; (2) Department of Neurology, University of Miami, Miami, USA; (3) Department of Neurology, Columbia University Medical Center, New York, USA; (4) Dr. John T. Macdonald Foundation Department of Human Genetics, John P. Hussman Institute for Human Genetics, University of Miami Miller School of Medicine, Miami, USA

P2_75  AMINOACYL tRNA SYNTHETASE GENE MUTATIONS INCLUDING GARS, MARS AND YARS GENES IN KOREAN PATIENTS WITH CHARCOT-MARIE-TOOTH DISEASE
34067  Byung-Ok Choi
Byung-Ok Choi, Ki Wha Chung, Sung-Chul Jung

P2_76  SPINOBULBAR MUSCULAR ATROPHY COMBINED WITH CHARCOT-MARIE-TOOTH DISEASE: “DOUBLE TROUBLE” IN NEUROMUSCULAR DISORDERS
34190  Kyomin Choi
(1) Choi K, (2) Choi SJ, (2) Kwon KH, (2) Ahn SH, (2) Kim JS, (2) Baek SH, (2) Shin JY, (2) Kim SM, (3) Hong YH, (2) Sung JJ. (1) Konkuk University Hospital, Seoul, Republic of Korea (2) Seoul National University Hospital, Seoul, Republic of Korea; (3) Seoul Metropolitan Government Seoul National University Boramae Medical Center, Seoul, Republic of Korea

P2_77  AXONAL CMT WITH ATYPICAL PROXIMAL WEAKNESS CAUSED BY TRANSLATIONAL ELONGATION OF THE 3’ UTR IN NEFH
34124  Ki Wha Chung
(1) Nam DE, (2) Jung S-C, (3) Choi B-O, (1) Chung KW, (1) Kongju National University, Gongju, Korea; (2) Ewha Womans University School of Medicine, Seoul, Korea; (3) Sungkyunkwan University School of Medicine, Seoul, Korea

P2_78  COWCHOCK SYNDROME, 2 FAMILIAL CASES WITH A NEW MUTATION IN AIFM1 GENE.
35216  Gerardo Jose Cruz Velasquez
(1, 3) Cruz-Velasquez G, (1) Mahdi-Rogers M, (2) Kazmi M, (1) Hadden RDM (1) Neurology Department and (2) Haematology Department, King’s College Hospital, London, UK; (3) Department of Neurology, University Hospital Miguel Servet, Zaragoza, Spain.

P2_79  CHARCOT-MARIE-TOOTH 2W. A NEW MUTATION?
34052  Marcos de Freitas
(1) de Freitas M, (1) Dias J, (1) Vidal C, (1) Szklarz D, (1) Nascimento O, (2) Kok F (1) Federal Fluminense University, Niterói, Brazil, (2) São Paulo University, São Paulo, Brazil

P2_80  GENOTYPIC AND PHENOTYPIC PRESENTATION OF TRANSTHYRETIN-RELATED FAMILIAL AMYLOID POLYNEUROPATHY (TTR-FAP) IN TURKEY
35131  Hacer Durmus
(1) Istanbul University, Istanbul Medical Faculty, Neurology Department, Istanbul, Turkey (2) Istanbul University, Istanbul Medical Faculty, Neurology Department, Istanbul, Turkey (3) Istanbul University, Istanbul Medical Faculty, Neurology Department, Istanbul, Turkey (4) Istanbul Bilim University, Medical Faculty, Neurology Department, Istanbul, Turkey (5) Istanbul University, Genetics Department, Institute of Experimental Medical Research (6) Istanbul University, Istanbul Medical Faculty, Department of Medical Genetics, Istanbul, Turkey (7) Istanbul University, Istanbul Medical Faculty, Neurology Department, Istanbul, Turkey (8) Istanbul University, Istanbul Medical Faculty, Neurology Department, Istanbul, Turkey (9) Istanbul University, Istanbul Medical Faculty, Neurology Department, Istanbul, Turkey
SENSITIVITY TO CHANGE OF THE CHARCOT-MARIE-TOOTH NEUROPATHY SCORE (CMTNS) AND OVERALL NEUROPATHY LIMITATION SCALE (ONLS) IN A DATABASE OF FRENCH PATIENTS WITH CMT1A

Julie Foucquier

CHARCOT-MARIE-TOOTH DISEASE: GENETIC SUBTYPES IN NORTHWESTERN SPAIN

Tania García-Sobrino
García-Sobrino T1, 2, Blanco-Arias Patricia2, 3, Vidal-Lijó M.P4, Quintáns Bea2, 3, Sobrido MJ2, 3, Pardo J1, 2. 1 Department of Neurology, Hospital Clínico, Santiago de Compostela, Spain; 2 Neurogenetics Research Group, Instituto de Investigaciones Sanitarias (IDIS), Santiago de Compostela, Spain; 3 Genomic Medicine Group (U711), Centre for Biomedical Network Research on Rare Diseases (CIBERER), Spain; 4 Department of Neurophysiology, Hospital Clínico, Santiago de Compostela. Spain

GENE THERAPY ON RATS MODELS OF THE PERIPHERAL NEUROPATHY CHARCOT-MARIE-TOOTH

Helene Hajjar
(1) Hajjar H, (1) Gautier B, (1) Berthelot J, (1) Gonzalez E, (2) Gess B, (2) Young P (1) Tricaud N. (1) Institute of Neurosciences of Montpellier, INSERM, University of Montpellier, Montpellier, France; (2) Universitätsklinikum Münster, Klinik für Schlafmedizin und neuromuskuläre Erkrankungen, Münster, Germany

CHARCOT MARIE TOOTH DISEASE TYPE 4C: NOVEL MUTATIONS, CLINICAL PRESENTATIONS, AND DIAGNOSTIC CHALLENGES OF AN ATYPICAL CMT

Nivedita Jerath
*Nivedita U. Jerath MD, MS 1, Ami Mankodi MD2, Thomas O. Crawford MD 3, Christopher Grunseich MD2, Hasna Baloui, PhD4, Chioma Nnamdi-Emeratom MD2, Alice B. Schindler MS2, Terry Heiman-Patterson MD5, Roman Chrast PhD4, and Michael E. Shy MD1 1 Department of Neurology, University of Iowa Carver College of Medicine, Iowa City, IA, USA; 2Neurogenetics Branch, National Institute of Neurological Disorders and Stroke, National Institutes of Health, Bethesda, MD, USA ; 3Department of Pediatric Neurology, Johns Hopkins University, Baltimore, MD, USA; 4Department of Neuroscience and Department of Clinical Neuroscience, Karolinska Institutet, Stockholm, Sweden; and 5Department of Neurology, Drexel University College of Medicine, Philadelphia, PA, USA.

DIAGNOSTIC CHALLENGES IN THE MOLECULAR DIAGNOSIS OF CMT IN THE ERA OF NEXT GENERATION SEQUENCING (NGS)

Andrea Cortese
A Cortese A (1), Polke J (2), Poh R (2), Houlden H (3), Rosser AM (1), Laura’ M (1), Reilly MM (1) (1) MRC Centre for Neuromuscular Diseases, National Hospital for Neurology and Neurosurgery, UCL Institute of Neurology, Queen Square, London, UK (2) Department of Neurogenetics, The National Hospital for Neurology and Neurosurgery, UCL Institute of Neurology, London, UK. (3) Department of Molecular Neuroscience, UCL Institute of Neurology, London, UK; National Hospital for Neurology and Neurosurgery, Queen Square, London, UK.

PERIPHERAL NEUROPATHIES IN METABOLIC MYOPATHY

Xi Jianying
Jianying X, Jie L, Kai Q, Sushan L, Wenhua Z, Chongbo Z, Jiahong L. Department of Neurology, Huashan Hospital, Fudan University, Shanghai, China
P2_87 REDUCED INTRAEPIDERMAL NERVE FIBER DENSITY IN PATIENTS WITH REM SLEEP BEHAVIOUR DISORDER

Istvan Katona, Wiebke Schrempf, Imis Dogan, Verena v. Felbert, Miriam Wienecke, Julia Heller, Andrea Maier, Andreas Hermann, Katharina Linse, Moritz D. Brandt, Heinz Reichmann, Jörg B. Schulz, Johannes Schiefer, Wolfgang H. Oertel, Alexander Storch, Joachim Weis, Kathrin Reetz, Institute of Neuropathology, RWTH Aachen University, Pauwelsstr. 30, 52074 Aachen, Germany (2) Department of Neurology, Technische Universität Dresden, 01307 Dresden, Germany (3) Department of Neurology, RWTH Aachen University, Pauwelsstr. 30, 52074 Aachen, Germany (4) JARA – Translational Brain Medicine, Jülich and Aachen, Germany (5) Department of Dermatology and Allergology, RWTH Aachen University, 52074 Aachen, Germany (6) German Center for Neurodegenerative Diseases (DZNE) Dresden, 01307 Dresden, Germany (7) Institute of Neuroscience and Medicine (INM-11), Research Center Jülich GmbH, Wilhelm-Johnen-Straße, 52428 Jülich, Germany (8) Department of Neurology, Philipps University Marburg, Germany (9) Division of Neurodegenerative Diseases, Department of Neurology, Technische Universität Dresden, 01307 Dresden, Germany (10) Department of Neurology, University of Rostock, 18147 Rostock, Germany

P2_88 SURGICAL MANAGEMENT OF FOOT AND ANKLE DEFORMITIES IN CHARCOT MARIE TOOTH DISEASE: RESULTS OF A PROSPECTIVE STUDY

Matilde Laurá, Ramdharry G, Singh D, Kozyra D, Skorupinska M, Reilly M.M. MRC Centre for Neuromuscular Diseases, UCL Institute of Neurology, London, UK, School of Rehabilitation Sciences, St George’s University of London/ Kingston University, UK, Royal National Orthopaedic Hospital, Stanmore, UK

P2_89 A RARE CASE OF NEUROFIBROMATOSIS PRESENTING WITH DEMYELINATING POLYNEUROPATHY

Hyung-Soo Lee, Lee H-S, Kim SM. Presbyterian Medical Center, Jeonju, Korea; Yonsei University College of Medicine, Seoul, Korea.

P2_90 ENHANCEMENTS TO THE RARE DISEASES CLINICAL RESEARCH NETWORK CONTACT REGISTRY FOR THE INHERITED NEUROPATHIES CONSORTIUM

Devon Marking, Marking D, Shy M, members of the Inherited Neuropathies Consortium and Rare Diseases Clinical Research Network Data Management and Coordinating Center.

P2_91 A MPZ R98C CMT PATIENT PRESENTING A FLUCTUATING NEUROPATHY SUSCEPTIBLE TO TREATMENT

Wilson Marques Jr, Germano CSB, Onofre PTBN, Bordini EC, Gouvea S, Barreira AA, Marques W Jr. Division of Neuromuscular Diseases, Department of Neurosciences and Behaviour Sciences, Clinical Hospital of Ribeirão Preto, University of São Paulo, Ribeirão Preto, Brazil.

P2_92 A NEW SYT2 MUTATION CAUSING PRESYNAPTIC NEUROMUSCULAR JUNCTION DYSFUNCTION AND DISTAL MOTOR NEUROPATHY (LEMS-CMT)

Nataly Montes-Chinea, Montes-Chinea, NI, Coutts, M, Vidal C, Courel, S, Rebelo A, Abreu L, Zuchner S, Saporta, MA. (1) Department of Neurology, University of Miami, Miami, USA, (2) Department of Human Genetics, University of Miami, Miami, USA
P2_93

CLINICAL AND PATHOLOGICAL FINDINGS IN FAMILIAL AMYLOIDOTIC POLYNEUROPATHY DUE TO TRANSTHYRETIN E61K

Tatsufumi Murakami
(1) Murakami T, (2) Nishimura H, (1) Nagai T, (1) Hemmi S, (1) Kutoku Y, (1) Sunada Y, (1) Department of Neurology, and (2) Department of Pathology, Kawasaki Medical School, Kurashiki, Japan

P2_94

PREGNANCY, SLEEP, FATIGUE AND OTHER ITEMS IN CHARCOT-MARIE-TOOTH DISEASE: DATA FROM QUESTIONNAIRES LINKED TO THE ITALIAN CMT NATIONAL REGISTRY

Davide Pareyson
(1) Pareyson D, (1) Calabrese D, (2) Santoro L, (3) Manganelli F, (4) Fabrizi GM, (5) Schenone A, (3) Cavallaro T, (4) Ursino G, (5) Previtali S, (6) Allegri I, (7,8) Padua L, (8) Pazzaglia C, (9) Quattrone A, (1) Villani F, (1) Pisciotta C, (10) Mazzeo A, (10) Vita G; for the Italian CMT Network. (1) IRCCS Foundation, "C. Besta" Neurological Institute, Milan; (2) Federico II University, Department of Neurosciences, Reproductive Sciences and Odontostomatology, Naples; (3) University of Verona, Department of Neurological, Biomedical and Motor Sciences, Verona; (4) University of Genoa, Department of Neurosciences, Rehabilitation, Ophthamology, Genetics and Maternal Infantile Sciences, Genoa; (5) Ospedale San Raffaele, Vita Salute San Raffaele University, Department of Neurology and INSPE, Milan; (6) A.O. di Parma, U.O. Neurologia, Parma; (7) Università Cattolica del Sacro Cuore, Rome; (8) Don Carlo Gnocchi Onlus Foundation, Department of Neuroscience, Milan; (9) Magna Graecia University, Department of Medical Sciences, Catanzaro; (10) University of Messina, Unit of Neurology, Department of Clinical and Experimental Medicine, Messina, Italy.

P2_95

CLINICAL AND GENETIC HETEROGENEITY IN CHARCOT-MARIE-TOOTH NEUROPATHY TYPE 2 PATIENTS FROM TURKEY

Yesim Parman
(1) Parman Y, (2) Durmus H, (3) Deymeer F, (4) Oflazer-Serdaroğlu P, (5) Battaloglu E (1) Istanbul University, Istanbul Faculty of Medicine, Department of Neurology, Istanbul, Turkey (2) Istanbul University, Istanbul Faculty of Medicine, Department of Neurology, Istanbul, Turkey (3) Istanbul University, Istanbul Faculty of Medicine, Department of Neurology, Istanbul, Turkey (4) Istanbul University, Istanbul Faculty of Medicine, Department of Neurology, Istanbul, Turkey (5) Bogazici University, Istanbul, Turkey

P2_96

ARL6IP1 CAUSES CONGENITAL INSENSITIVITY TO PAIN, SELF-MUTILATION AND SPASTIC PARAPLEgia

Yann Pereon

P2_97

DETERMINING THE PATHOGENICITY OF NEWLY IDENTIFIED ATP7A VARIANTS USING PRIMARY FIBROBLASTS

Gonzalo Perez-Siles
(1,2) Perez-Siles G, (1,2) Drew A, (1) Ellis M, (1) Kidambi M, (4) Takata R I, (4) Speck-Martins C E, (5) Hagerman K A, (5) Siskind C E, (5) Day J W, (6) Ginzberg M, (1,2,3) Nicholson G, (1,2,3) Kennerson M L. (1) Northcott Neuroscience Laboratory, ANZAC Research Institute, Sydney, Australia; (2) Sydney Medical School, University of Sydney, Sydney, Australia; (3) Molecular Medicine Laboratory, Concord Repatriation General Hospital, Sydney, Australia; (4) Sarah Network Rehabilitation Hospitals, Brasilia, DF, Brazil; (5) Department of Neurology, Stanford Health Care, Stanford, CA, USA; (6) Pediatric Neuromuscular Unit, Wolfson Medical Center, Holon, Israel

P2_98

HOMOZYGOUS DUPLICATION OF PMP22: A CASE REPORT

Janet Phetteplace
Phetteplace JE1, Saade D1, Bacon C1, Shy ME1. 1 University of Iowa Hospitals and Clinics, Iowa City, IA, USA
THE GERMAN CHARCOT-MARIE-TOOTH DISEASE NETWORK (CMT-NET): DISEASE SEVERITY AND PROGNOSTIC BIOMARKERS FROM BLOOD AND SKIN OF CMT1A PATIENTS

Thomas Prukop
Prukop T1,2,3, Garcia-Angarita N4, König LS4, Pieper D5, Dräger B5, Thiele S4, Hüttemann D5, Schlötter-Weigel B4, Walter MC4, Young P5, and Sereda MW1,3. 1University Medical Center Göttingen, Department of Clinical Neurophysiology, Göttingen, Germany; 2University Medical Center Göttingen, Institute of Clinical Pharmacology, Göttingen, Germany; 3Max-Planck-Institute of Experimental Medicine, Department of Neurogenetics, Göttingen, Germany; 4Friedrich-Baur-Institute, Department of Neurology, Ludwig-Maximilians-Universität, Munich, Germany; 5Department of Sleep Medicine and Neuromuscular Disorders, University of Münster, Münster, Germany.

DEVELOPMENT OF BEST PRACTICE GUIDELINES FOR PAEDIATRIC CHARCOT-MARIE-TOOTH DISEASE

Joshua Burns
Yiu EM 1,2,3, Burns J 2,4,5, Menezes M P4,5, and Ryan MM 1,2,3 for the Paediatric CMT Best Practice Guidelines Consortium. 1 Royal Children’s Hospital Melbourne, Melbourne, Victoria, Australia; 2 Murdoch Childrens Research Institute, Melbourne, Victoria, Australia; 3 University of Melbourne, Melbourne, Victoria, Australia; 4University of Sydney, New South Wales, Australia ; 5 Sydney Children’s Hospitals Network (Randwick and Westmead), New South Wales, Australia

CHARCOT-MARIE-TOOTH NEUROPATHY MISDIAGNOSED AS CHRONIC INFLAMMATORY DEMYELINATING POLYRADICULONEUROPATHY: A CASE SERIES.

Marta Ruiz
Ruiz M1 Campagnolo M1, Salvalaggio A1, Cacciavillani M2 , Taioli F3, Fabrizi GM3, Briani C1. 1Department of Neuroscience, Neurology Unit, University of Padova, Padova, Italy 2 Data Medica Group, EMG Unit, CEMES, Padova, Italy 3 Department of Neurological and Movement Sciences, University of Verona, Verona, Italy

NERVE ULTRASOUND, MRI NEUROGRAPHY AND DIFFUSION TENSOR IMAGING ANALYSIS REVEALED PECULIAR NERVE ABNORMALITIES IN FRIEDREICH’S ATAXIA.

Alessandro Salvalaggio
Salvalaggio A1, Coraci D2, Cacciavillani M3, Ruiz M1, Manganelli F4, Antenora A4, Filla A4, Santoro L4, Gasparotti R5, Padua L6, Briani C1 1 Department. of Neurosciences, University of Padova, Padova; 2 Board of Physical Medicine and Rehabilitation, Department of Orthopaedic Science, “Sapienza” University, Rome, Italy; 3 CEMES-EMG Lab, Data Medica Group, Padova; 4 Department of Neurosciences, Reproductive Sciences and Odontostomatontology, University Federico II of Naples, Naples, Italy; 5 Department of Medical and Surgical Specialties, Radiological Sciences and Public Health, University of Brescia, Brescia; 6 Department of Geriatrics, Neurosciences and Orthopaedics, Università Cattolica del Sacro Cuore, Rome, Italy

THE AIFM1 p.F210S MUTATION CAUSES AN APOPTOTIC FAILURE AND ACTIVATION OF SENESCENT PROGRAM IN FIBROBLASTS DERIVED FROM PATIENT BIOPSIES

Paula Sancho
Sancho P1,2, Sánchez-Montagudo A1,2, Collado-Padilla A1,2, Marco C3,4, Domínguez C5, Camacho A6, Knecht E2,4,7, Espinós E1,2,8*, Lupo V1,2,8. 1Unit of Genetics and Genomics of Neuromuscular and Neurodegenerative Disorders, Centro de Investigación Príncipe Felipe (CIPF), Valencia, Spain; 2INCLIVA & IIS La Fe Rare Diseases Joint Units, Valencia, Spain; 3Unit of Structural Enzymopathology, Instituto de Biomedicina de Valencia, 4CIBER of Rare Diseases (CIBERER), Centro de Investigación Príncipe Felipe (CIPF), Valencia, Spain; 5Department of Neurology, Hospital 12 de Octubre, Madrid, Spain; 6Department of Neuropediatrics, Hospital 12 de Octubre, Madrid, Spain; 7Unit of Intracellular Protein Degradation, Centro de Investigación Príncipe Felipe (CIPF), Valencia, Spain; 8Department of Genomics and Traslational Genetics, Centro de Investigación Príncipe Felipe (CIPF), Valencia, Spain.
2017 PNS Annual Meeting
Sitges-Barcelona (Spain)
8 - 12 July

P2_104  SARM1 AND NAD INVOLVEMENT IN AXONAL DEGENERATION IN DEMYELINATING HEREDITARY NEUROPATHY CMT1A
Jens Schmidt
Schmidt J1, Gess B1. 1Uniklinikum RWTH Aachen, Germany

P2_105  IDENTIFICATION OF FIVE NOVEL MUTATIONS IN BRAZILIAN FAMILIES WITH X-LINKED CMT
Pedro José Tomaselli
Tomaselli PJ (1), Gouvea SP (2), Nyshyama KFS (2), Nicolau N Jr (2), Lourenço CM (1), Marques W Jr (1, 2) (1) Division of Neuromuscular Diseases, Department of Neurosciences and Behaviour Sciences, Clinical Hospital of Ribeirão Preto, University of São Paulo, Ribeirão Preto, Brazil.  (2) Neurogenetics, Department of Neurosciences and Behaviour Sciences, University of São Paulo, Ribeirão Preto, Brazil.

TUESDAY 11 JULY 2017

7.30 - 8.30  Clinical Trial Updates
Coffee + Poster Viewing

-  Poster Session 3 (see end of Tuesday for poster titles)

8.30 - 9.00  Plenary 4: Gary Lewin - PJ Dyck Lecture
MECHANOTRANSDUCTION AND PAIN

9.00 - 10.00  Oral Abstracts

9.00  TRPV4-MEDIATED DISRUPTION OF CALCIUM SIGNALING AND MITOCHONDRIAL AXONAL TRANSPORT IN A DROSOPHILA MODEL OF CMT2C
Brian Woolums

9.15  IMPLICATIPON OF RARE Nav1.7 VARIANTS IN PAINFUL DIABETIC NEUROPATHY
Andreas Themistocleous
9.30   RECESSIVE DYSTROPHIC EPIDERMOLYSIS BULLOSA RESULTS IN PAINFUL SMALL FIBRE NEUROPATHY

O5_3   Margarita Calvo
(1) Calvo M, (2) Bennett DLH (1) Pontificia Universidad Catolica de Chile, Santiago, Chile; (2) NDCN Oxford University, UK

9.45   A RANDOMIZED CONTROLLED TRIAL OF THE EFFICACY, SAFETY, AND TOLERABILITY OF LACOSAMIDE IN PATIENTS WITH GAIN-OF-FUNCTION NAV1.7 MUTATIONS-RELATED SMALL FIBER NEUROPATHY, THE LENSS STUDY.

O5_4   Bianca de Greef
(1) de Greef BTA, (1) Geerts M, (1, 2) Faber CG1, Merkies ISJ,(1) Hoeijmakers JGJ. (1) Department of Neurology, School of Mental Health and Neuroscience, Maastricht University Medical Center, Maastricht, The Netherlands. (2) Department of Neurology, St. Elisabeth Hospital, Willemstad, Curacao.

10.00 - 10.30   Coffee

10.30 - 12.00   Oral Posters

OP4_1   REVERSAL OF PAINFUL DIABETIC NEUROPATHY BY CONTROL OF NOCICEPTOR EXCITABILITY

35279   Daniela Maria Menichella
Bhattacharyya, B. J. (1), Jayaraj, N.D. (1), Belmadani, A. (2), Ren, D. (2), Rathwell, C.A. (1), Hackelberg, S. (1), Miller, R.J. (2) and Menichella, D.M. (1). (1) Department of Neurology Northwestern University, Chicago, IL, USA, (2) Department of Pharmacology, Northwestern

OP4_2   SENSORY PHENOTYPE AND RISK FACTORS FOR PAINFUL DIABETIC NEUROPATHY: A CROSS SECTIONAL OBSERVATIONAL STUDY

34836   Josef Bednarik
(1,2) Vickova E, (1,2) Raputova J, (1,2) Srotova I, (3) Sommer C, (3) Üçeyler N, (4) Birklein F, (4) Rebhorn C, (5) Rittner HL, (1,2) Kovalova E, (1,2) Nekvapilova E, (6) Belobradkova J, (7) Olsovsky J, (8) Weber P, (9) Dusek L, (9) Jarkovsky J, (1,2) Bednarik J. (1) Central European Institute of Technology, Masaryk University, Brno, Czech Republic (2) Department of Neurology, University Hospital Brno, Brno, Czech Republic (3) Department of Neurology, University of Würzburg, Germany (4) Department of Neurology, University Medical Center, Mainz, Germany (5) Department of Anesthesiology, Centre for interdisciplinary Pain Medicine, University Hospital Würzburg, Germany (6) Diabetologic Centre, Department of Internal Medicine and Gastroenterology, University Hospital Brno (7) Diabetologic Centre, St. Anne University Hospital, Brno, Czech Republic (8) Department of Internal Medicine, Geriatrics and Practical Medicine, University Hospital Brno, Brno, Czech Republic (9) Institute of Biostatistics and Analyses, Masaryk University, Brno, Czech Republic

OP4_3   PHYSIOLOGICAL CHARACTERIZATION OF NOCICEPTORS INNERVATING THE PLANTAR SKIN FOLLOWING NEUROPATHIC INJURY

34841   Johannes Kühnemund
(1) Kühnemund J, (2) Wetzel C, (3) Bégay V, Moshourab R (4) & (5) Lewin GR. (1) MDC & BIH, Berlin, Germany; (2)(3),(5) MDC, Berlin, Germany; (4) Charité, Berlin, Germany
CHRONIC NON-FREEZING COLD INJURY RESULTS IN NEUROPATHIC PAIN DUE TO A SENSORY NEUROPATHY

OP4_4
34458

Tom Vale
Vale TA, Themistocleous AC, Rice A, Symmonds M, Polydefkis M, Bennett DLH

EVALUATION OF MOLECULAR INVERSION PROBE VERSUS TruSeq® CUSTOM-NEXT GENERATION SEQUENCING METHODS TO IDENTIFY GENETIC VARIATIONS IN PAINFUL NEUROPATHIES- THE PROPANE STUDY

OP4_5
34868

Rowida Almomani Rowida Almomani1, Margherita Marchi2, Patrick Lindsey1, Maurice Sopacua3, Silvia Santoro 4, Hubert Smeets1, Giuseppe Lauria2, Filippo Martinelli Boneschi4, Sulayman Dib-Hajj5,6,7, Stephen G Waxman5,6,7, Ingemar S.J. Merkies3,8, Catharina G. Faber3, Monique M. Gerrits1; PROPANE Study Group

TRPV1 Expression in Human Peripheral Sensory Nerves and Relationship to Neuropeptides CGRP and SP

OP4_6
35561

Baohan Pan
(1) Pan B, (2) Karlsson P, (1) Liu Y, (3) Caterina M, (1) Polydefkis M. (1) Department of Neurology, Johns Hopkins University, Baltimore, USA; (2) Danish Pain Research Center and Department of Clinical Medicine, Aarhus University Hospital, Denmark; (3) Department of Neurosurgery, Johns Hopkins University, Baltimore, USA.

SMALL FIBER NEUROPATHY CHARACTERIZATION IN THE SOD1G93A ALS MOUSE MODEL

OP4_7
34789

Miguel Angel Rubio
Rubio MA1,2, Herrando-Grabulosa M2, Vilches JJ2, Navarro X2. 1 Neuromuscular Unit, Department of Neurology, Hospital del Mar. Barcelona, Spain; 2 Department of Cell Biology, Physiology and Immunology, Institute of Neurosciences and CIBERNED, Universitat Autònoma de Barcelona, Bellaterra, Spain.

AN IN VIVO AND IN VITRO NEUROPHYSIOLOGICAL APPROACH TO ACUTE AND CHRONIC OXALIPLATIN-INDUCED PERIPHERAL NEUROTOXICITY

OP4_8
34840

Paola Alberti
(1) Alberti P, (2) Lecchi M, (1,2,3) Monza L, (2) Pastori V, (1) Fumgalli F, (1) Pozzi E, (2) Becchetti A, (4) Bostock H, (1) Cavaletti G. (1) School of Medicine and Surgery- PhD Program in Neuroscience - University of Milano-Bicocca, Monza, Italy; (2) Department of Biotechnology and Bioscience - University of Milano-Bicocca, Milan, Italy; (3) PhD program in Translational and Molecular Medicine (DIMET) - University of Milano-Bicocca, Milan, Italy; (4) University College London, London, U.K.

PROLONGED POST TETANIC POTENTIATION

OP4_9
33813

Ludwig Gutmann
Gutmann L, Shy M

THE GENERATOR SITE IN ACQUIRED AUTOIMMUNE NEUROMYOTONIA

OP4_10
34537

Miguel Oliveira Santos
Oliveira Santos M1,2, Swash M1,3, de Carvalho M1,2, 1Institute of Physiology Unit, Instituto de Medicina Molecular, Faculty of Medicine, University of Lisbon, Portugal; 2Department of Neurology, Department of Neurosciences and Mental Health, Hospital de Santa Maria, Centro Hospitalar Lisboa Norte, Lisbon, Portugal; 3Departments of Neurology and Neuroscience, Barts and the London School of Medicine, Queen Mary University of London, United Kingdom.
OP4_11  33408  PHARMACOLOGICAL STIMULATION OF PHAGOCYTOSIS ENHANCES AMYLOID PLAQUE CLEARANCE; EVIDENCE FROM A TRANSGENIC MOUSE MODEL OF ATTR NEUROPATHY
Eleni Fella
(1) The Cyprus School of Molecular Medicine, P.O.Box 23462, 1683 Nicosia, Cyprus; (2) The Cyprus Institute of Neurology & Genetics, P.O.Box 23462, 1683 Nicosia, Cyprus; (3) Donald P. Shiley Bioscience Center, San Diego State University, San Diego, California, United States of America; (4) Department of Pharmaceutical Sciences, College of Pharmacy, University of Nebraska Medical Center, Omaha, Nebraska, United States of America

OP4_12  35046  A RANDOMIZED, DOUBLE-BLIND, PLACEBO-CONTROLLED TRIAL EVALUATING THE SAFETY AND EFFICACY OF L-SERINE IN SUBJECTS WITH HEREDITARY SENSORY AND AUTONOMIC NEUROPATHY TYPE 1 (HSAN1)
Vera Fridman
(1) Fridman, V, (2) Novak P, (1) David W, (1) Macklin EA, (1) McKenna-Yasek, D, Walsh K, (1) Oaklander AL, (2) Brown R, (3) Hornemann T, (1) Eichler F. (1) Massachusetts General Hospital, Boston, MA, USA, (2) University of Massachusetts Medical School, Worcester, USA, (3) University Hospital Zurich, Zurich, Switzerland.

OP4_13  34742  HUMAN IPSC DERIVED SENSORY NEURON MODEL OF HEREDITARY SENSORY NEUROPATHY TYPE 1 (HSN1)
Umaiyal Kugathasan
Kugathasan U1, Clark AJ2, Suriyanarayanan S3, Laurá M1, Wilson E1.4, Kalmar B4, Greensmith L1.4, Hornemann T3, Reilly MM1* and Bennett DLH2*. 1MRC Centre for Neuromuscular Diseases, London, UK; 2Neural Injury Group, Nuffield Department of Clinical Neurosciences, University of Oxford, Oxford, UK; 3Institute for Clinical Chemistry, University Hospital Zurich, Switzerland; 4Sobell Department of Motor Neuroscience and Movement Disorders, UCL Institute of Neurology, London, UK.

OP4_14  33405  THE ROLE OF COMPLEMENT IN ATTR AMYLOIDOSIS: A NEW THERAPEUTIC AVENUE?
Elena Panagiotou
(1) Panayiotou E, (2) Fella E, (1) Papacharalambous R, (1) Malas S, (3) Saraiva MJ, (1) Kyriakides T. (1)The Cyprus Institute of Neurology & Genetics, P.O.Box 23462, 1683 Nicosia, Cyprus; (2) The Cyprus School of Molecular Medicine, P.O.Box 23462, 1683 Nicosia, Cyprus; (3) Instituto de Inovação e Investigação em Saúde (I3S) and Neurobiologia Molecular-Instituto de Biologia Molecular (IBMC) - Universidade do Porto, 4200-135, Portugal

OP4_15  35075  NEUROPHYSIOLOGICAL FINDINGS IN ASYMPTOMATIC STAGE OF FAMILIAL AMYLOID NEUROPATHY: A CASE CONTROL STUDY
Guillemette Beaudonnet

12.00 - 14.00  Lunch + Poster Viewing
12.00 - 13.00  
Sponsor Symposia 3: CSL and Termuno BCT

TerumoBCT “Therapeutic Plasma Exchange in PNS Diseases: New Knowledge"

14.00 - 14.30  
Plenary 5: Michael Coleman - PK Thomas Lecture
THE CONTROL OF WALLERIAN DEGENERATION AND ITS RELEVANCE TO PERIPHERAL NEUROPATHY

14.30 - 15.30  
Oral Abstracts

14.30  
ATP1A1 REPRESENTS A SIGNIFICANT NOVEL DOMINANT CMT2 GENE
Stephan Zuchner 35264
(1) Lassuthova, P, (2) Rebelo, A, (3) Ravenscroft, G, (3) Lamont, P, (3) Baxter, M, (3) Ong, R, (8) Davis, M, (7) Manganelli, F, (2) Tao, F, (2) Saghira, C, (2) Abreu, L, (6) Bai, Y, (4) Isom, D, (3) Laing, N, (5) Choi, B-O, (1) Seeman, P, (6) Shy, M, (7) Santoro, L, (2) Zuchner S. (1) DNA Laboratory, Department of Paediatric Neurology, 2nd Faculty of Medicine, Charles University in Prague and University Hospital Motol, Prague, Czech Republic; (2) Dr. John T. Macdonald Foundation Department of Human Genetics, John P. Hussman Institute for Human Genomics, University of Miami Miller School of Medicine, Miami, USA; (3) Centre for Medical Research, University of Western Australia and Harry Perkins Institute of Medical Research, Nedlands, Australia; (4) Department of Pharmacology, Sylvester Comprehensive Cancer Center, and Center for Computational Sciences, University of Miami, Miami, USA; (5) Department of Neurology, Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, Korea; (6) Department of Neurology, Carver College of Medicine, University of Iowa, Iowa City, USA (7) Department of Neuroscience, Reproductive Sciences and Odontostomatology, Naples, Italy.

14.45  
PLASMA NEUROFILAMENT LIGHT CHAIN LEVELS ARE RAISED IN PATIENTS WITH INHERITED PERIPHERAL NEUROPATHY AND CORRELATE WITH DISEASE SEVERITY
Alexander Rossor 35092
(1) Fisgun, A, (1) Luan X and (1) Hoke A (1) Johns Hopkins University, Baltimore, USA

15.00  
SARM1 DELETION AND WLDS ARE NEUROPROTECTIVE IN THREE MODELS OF CHEMOTHERAY INDUCED PERIPHERAL NEUROPATHY
Ahmet Hoke 34838
(1) Fisgun, A, (1) Luan X and (1) Hoke A (1) Johns Hopkins University, Baltimore, USA
15.15 - 17.00 Oral Posters

**OP5_1**  
Peripheral Neuropathy Research Registry (PNRR)  
Simone Thomas  
Simone Thomas (1), Senda Ajroud-Driss (2), Mazen Dimachkie (3), Roy Freeman (4), David Simpson (5), Gordon Smith (6) and Ahmet Hoke (1). (1) Johns Hopkins School of Medicine (2) Northwestern University Medical Center, (3) Kansas University Medical Center, (4) Beth Israel Deaconess Medical Center, (5) Icahn School of Medicine at Mount Sinai Medical Center, (6) University of Utah Medical Center

**OP5_2**  
POLYNEUROPATHY RELATES TO IMPAIRMENT IN DAILY ACTIVITIES, WORSE GAIT AND FALL-RELATED INJURIES  
Rens Hanewinckel  
1, 2) Hanewinckel R, (2, 3) Drenthen J, (1) Verlinden VJA, (1) Darweesh SKL, (3) van der Geest JN, (1, 5) Hofman A, (2) van Doorn PA, (1) Ikram MA. (1) Department of Epidemiology; (2) Department of Neurology; (3) Department of Neuroscience; (4) Department of Clinical Neurophysiology, Erasmus University Medical Center, Rotterdam, the Netherlands; (5) Department of Epidemiology, Harvard T.H. Chan School of Public Health, Boston, MA.

**OP5_3**  
IENF AND MC ARE EARLY MARKERS OF PERIPHERAL INVOLVEMENT IN PD AND ARE DIFFERENTLY AFFECTED BY LDOPA TREATMENT  
Maria Nolano  
(1) Nolano M, (1) Provitera V, (1) Stancanelli A, (1) Caporaso G, (1) Saltalamacchia AM, (1) Borreca I, (1) Lullo F, (1) Califano F, (1) Lanzillo B, (2) Iodice R, (2) Manganelli F, (3) Barone P, (2) Santoro L. (1) IRCCS "Salvatore Maugeri" Foundation, Institute, of Telese Terme (BN), Italy; (2) "Maugeri" Clinical and Scientific Institutes IRCCS, Institute of Telese Terme (BN), Italy; (3) Center for Neurodegenerative Diseases (CEMAND), Department of Medicine and Surgery, Neuroscience Section, University of Salerno, Italy.

**OP5_4**  
A RANDOMIZED TRIAL OF AN AUTOMATED CIPN SYMPTOM MANAGEMENT SYSTEM  
Noah Kolb  
(1) Kolb, N, (2) Smith, A.G., (2) Singleton J.R., (3) Beck, S., (4) Howard, D. (5) Dittus, K., (2) Karafiath, S., (3) Mooney, K. (1) Department of Neuroscience, University of Vermont, Burlington, VT, USA, (2) Department of Neurology, University of Utah Health, SLC, UT, USA, (3) College of Nursing, University of Utah Health, SLC, UT, USA (4) Clinical Research Center, University of Vermont, Burlington, VT, USA, (5) Department of Medicine, Hematology/Oncology, University of Vermont, Burlington, VT, USA.
OP5_5  ROLE OF THE ALPHA SECRETASE TACE DURING WALLERIAN DEGENERATION
Marta Pellegatta
Pellegatta M1, Canevazzi P1, Forese MG1, Podini P2, Quattrini A2 and Taveggia C1 1Division of Neuroscience and INSPE, A xo-Glia Interaction Unit, San Raffaele Scientific Institute, Milan, Italy; 2 Division of Neuroscience and INSPE, Experimental Neuropathology Unit, San Raffaele Scientific Institute, Milan, Italy

OP5_6  SELECTIVE MUSCARINIC RECEPTOR ANTAGONISM ACTIVATES THE ERK/MAPK PATHWAY IN ADULT SENSORY NEURONS
Mohammad Golam Sabbir
Sabbir MG1, Calcutt NA2 and Fernyhough P1, 3. 1Division of Neurodegenerative Disorders, St. Boniface Hospital Albrechtsen Research Centre, Winnipeg, MB, Canada, 2Department of Pathology, University of California San Diego, California USA and 3Dept of Pharmacology & Therapeutics, University of Manitoba, MB, Canada.

OP5_7  CARPAL TUNNEL SYNDROME AS A HUMAN IN VIVO MODEL TO STUDY LARGE FIBER REGENERATION
Vincenzo Provitera

OP5_8  CMAP SCAN ANALYSIS IN MULTIFOCAL MOTOR NEUROPATHY
Boudewijn Sleutjes
Sleutjes BTHM, Kovalchuk M, van Schelven LJ, van den Berg L, Franssen, H.

OP5_9  CUTANEOUS NERVE FIBER ANALYSIS AS A BIOMARKER IN TRANSTHYRETIN FAMILIAL AMYLOID POLYNEUROPATHY
Gigi Ebenezer
(1) Gigi J Ebenezer, (1) Ying Liu, (2) Daniel P. Judge, (1) Kelly Cunningham, (3) Shaun Truelove, (1) Noel D. Carter, (1) Blessan Sebastian, (1) Kelly Byrnes, (1) Michael Polydefkis. (1) Department of Neurology, Johns Hopkins University, Baltimore, MD, USA; (2) Division of Cardiology, Johns Hopkins University, Baltimore, MD, USA; (3) Department of Epidemiology, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD, USA.

OP5_10  A KNOCK-IN / KNOCK-OUT MOUSE MODEL FOR SMALL HEAT SHOCK PROTEIN HSPB8 MIMICKING DISTAL HEREDITARY MOTOR NEUROPATHY AND MYOFIBRILLAR MYOPATHY
Vincent Timmerman

OP5_11  PATHOGENESIS OF CHARCOT-MARIE-TOOTH DISEASE TYPE 2C DUE TO MUTATIONS IN TRPV4
Brett McCray
Johns Hopkins University, Baltimore, USA

OP5_12  NOVEL PHE210LEO MISSENSE MUTATION IN AIFM1 GENE IS ASSOCIATED WITH AN AXONAL POLYNEUROPATHY
Ryan Castoro
NOVEL NEFH MUTATIONS AS A CAUSE OF AN AUTOSOMAL AXONAL FORM OF CHARCOT-MARIE-TOOTH DISEASE WITH PROXIMAL MUSCLE INVOLVEMENT

Cécile Delorme

ALTERED NEUROFILAMENT DISTRIBUTION IN HUMAN CMT2E MOTOR NEURON AXONS

Mario Saporta
(1,2) de Moraes Maciel R, (1) Cutrupi AN, (2) Rebello A, (2) Zuchner S, (1,2) Saporta MA (1) Department of Neurology, University of Miami Miller School of Medicine, Miami, FL, USA; (2) Department of Human Genetics, Hussman Institute for Human Genomics, University of Miami Miller School of Medicine, Miami, FL, USA.

MODELLING BROWN-VIALETTO-VAN LAERE SYNDROME IN C. ELEGANS

Megan Brewer
(1,2) Brewer MH, (2) Attrill G, (1) Ellis M, (1) Ly C, (1,2,3) Nicholson GA, (4,5) Menezes MP*, (1,2,3) Kennerson ML*. (1) Northcott Neuroscience Laboratory, ANZAC Research Institute, Sydney, Australia; (2) Sydney Medical School, University of Sydney, Sydney, Australia; (3) Molecular Medicine, Concord Repatriation General Hospital, Sydney Australia; (4) The Institute for Neuroscience and Muscle Research, The Children's Hospital at Westmead, Sydney, Australia; (5) Pediatrics and Child Health, University of Sydney, Sydney, Australia; *Equal last author

17.00 - 18.00
Coffee + Poster Viewing

18.00 - 19.00
Presidential Talk + Prizes

Presidential Lecture
HUMANS - THE ULTIMATE ANIMAL MODEL
Mary Reilly

19.00
PNS Closing Dinner
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<td>Min Su Park; Park JG, Park MS. Yeungnam University College of Medicine.</td>
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<td>P3_3</td>
<td>ARSENIC TRIOXIDE INDUCED PERIPHERAL NEUROPATHY: PROSPECTIVE EVALUATION OF TWO PATIENTS WITH ACUTE PROMYELOCYTIC LEUKEMIA.</td>
<td>Marta Ruiz; Ruiz M, Lessi F, Cacciavillani M, Riva M, Salvalaggio A, Campagnolo M. Department of Neuroscience, University of Padova.</td>
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<td>P3_4</td>
<td>PERONEAL NERVE LESION DUE TO HERPES ZOSTER</td>
<td>Refah Sayin; Odabasi Z, Sayin R, Rota DD. Losante Hospital, Ankara, TURKEY.</td>
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<td>P3_5</td>
<td>IMPAIRMENT OF MITOCHONDRIAL TRAFFICKING IN DORSAL ROOT GANGLION NEURONS IS DEPENDENT ON HYDROCARBON CHAIN LENGTH OF SATURATED FATTY ACIDS</td>
<td>Maegan Tabbey; Rumora AE, Tabbey MA, LoGrasso G, Dolkowski J, Haidar J, Lentz SI, Feldman EL.</td>
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<td>P3_6</td>
<td>THE ASSOCIATION BETWEEN THE METABOLIC SYNDROME AND NEUROLOGIC OUTCOMES IN A BARIATRIC SURGERY POPULATION</td>
<td>Emily Villegas-Umana; Callaghan BC, Villegas-Umana E, Reynolds E, Averill S.</td>
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<td>P3_7</td>
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<td>Nathan Staff; Shah A, Hoffman EM, Klein CJ.</td>
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P3_8   TREATMENT INDUCED NEUROPATHY OF DIABETES IN PATIENTS WHO HAVE UNDERGONE BARIATRIC SURGERY
Joel Wong
(1) Wong SHJ, (2) Koh SJ, (1) Lee BJH, (3) Chng YSK, (4) Pawa C, (4) Subramaniam T, (4) Cheng KSA, (2) T. Umapathi. (1) Lee Kong Chian School of Medicine, Nanyang Technological University, Singapore; (2) National Neuroscience Institute, Singapore; (3) Yong Loo Lin School of Medicine, National University Singapore, Singapore; (4) Khoo Teck Puat Hospital, Singapore.

P3_9   PREVALENCE OF PERIPHERAL NEUROPATHY AMONG FREQUENT FLYERS – IS THERE A LINK TO “AEROTOXIC SYNDROME”?
Maryam Balke
(1) BALKE M, (1) SPRENGER A, (1) WUNDERLICH G, (3) STETTNER M, (1,2) FINK GR, (1) LEHMANN HC. (1) University Hospital of Cologne, Germany (2) INM-3 Research Centre Jülich, Jülich, Germany (3) University Hospital of Essen, Germany

P3_10   ESTABLISHMENT OF THE COCULTURE SYSTEM OF IMMORTALIZED SCHWANN CELLS IFRS1 AND MOTOR NEURON-LIKE CELLS NSC-34
Kazunori Sango
Sango K, Takaku S, Niimi N, Yako H. Diabetic Neuropathy Project, Tokyo Metropolitan Institute of Medical Science, Tokyo, Japan

P3_11   THE EFFECT OF CURCUMIN ON PERIPHERAL NERVE REGENERATION
Özgür Demir
(1) Kılınç M, (1) Oksuz E, (1) Demir O, (1) Ersay FD, (2) Cevik B. Affiliations: (1) Gaziosmanpaşa University, Department of Neurosurgery, Tokat, Turkey (2) Gaziosmanpaşa University, Department of Neurology, Tokat, Turkey

P3_12   TIME-COURSE CHARACTERIZATION OF FOREIGN BODY REACTION TO IMPLANTED DEVICES IN RAT PERIPHERAL NERVE
Natalia de la Oliva
De la Oliva N1, Del Valle J1, Navarro X1. 1Institute of Neurosciences, Department of Cell Biology, Physiology and Immunology, Universitat Autònoma de Barcelona and Centro de Investigación Biomédica en Red sobre Enfermedades Neurodegenerativas (CIBERNED), Bellaterra, Spain

P3_13   ALTERNATIVES TO TRADITIONAL NERVE AUTOGRAFTS FOR THE RECONSTRUCTION OF PERIPHERAL NERVE DISCONTINUITIES
Erick DeVinney
(1) DeVinney E, (2) Ducic I. (1) AxoGen Clinical Sciences, Alachua, FL USA; (2) Washington Nerve Institute, Mclean, VA USA

P3_14   IMPLICATIONS OF SKIN BIOPSY TISSUE THICKNESS ON STUDY OUTCOMES
Christopher Gibbons
(1) Gibbons C, (1) Wang N, (1) McCormick M, (1) Freeman R. (1) Beth Israel Deaconess Medical Center, Harvard Medical School, Boston, USA.

P3_15   RECURRENT PERIPHERAL AND CENTRAL DEMYELINATION IN A SERONEGATIVE PATIENT
Can Ebru Bekircan-Kurt
(1,2) Bekircan-Kurt CE, (1) Yıldız G, (1) Temuçin Ç, (1) Kurne AT, (1,2) Tan E, (1,2) Erdem-Ozdamar SE Hacettepe University (1) Department of Neurology, (2) Neuromuscular Disease Research Laboratory Ankara, TURKEY
P3_16  OPTIMIZING ELECTRODIAGNOSTICS FOR GUILLAIN-BARRE SYNDROME: CLUES FROM CLINICAL PRACTICE
34703  Fu Liong Hiew  
(1) Fu Liong Hiew, (2) Yusuf A. Rajabally. (1) Regional Neuromuscular Clinic, Queen Elizabeth Hospital, University Hospitals of Birmingham, Birmingham, United Kingdom; (2) School of Life and Health Sciences, Aston Brain Centre, Aston University, Birmingham, United Kingdom.

P3_17  INFLUENCE OF IVIG ON NERVE EXCITABILITY IN MULTIFOCAL MOTOR NEUROPATHY
35342  Maria Kovalchuk  
Maria Kovalchuk1, Hessel Franssen1, Leonard J van Schelven2, Leonard van den Berg1, Boudewijn Sleutjes1.1Department of Neuromuscular Disorders, University Medical Center Utrecht, the Netherlands. 2Department of Medical Technology and Clinical Physics, University Medical Centre Utrecht, the Netherlands.

P3_18  HEMOLYTIC SIDE EFFECTS OF IVIG: MODELING PREDICTS RISK REDUCTION WITH ANTI-A/B IMMUNOAFFINITY CHROMATOGRAPHY AND TO A LESSER EXTEND WITH ANTI-A DONOR SCREENING.
35201  Alphonse Hubsch  
(1) Mallik R, (2) Hubsch A, (2) Gaida A, (3) Barnes D. (1) CSL Behring, KOP, US; (2) CSL Behring, Bern, Switzerland, (3) CSL Behring, Ottawa, Canada

P3_19  THE VALUE OF ELECTROPHYSIOLOGICAL TYPING AND CONDUCTION BLOCK FOR PREDICTION OF FUNCTIONAL OUTCOME IN GUILLAIN-BARRE SYNDROME
34668  Jingwen Niu  
Niu JW, Cui LY, Guan YZ, Liu MS. The Department of Neurology, Peking Union Medical College Hospital, Chinese Academy of Medical Sciences, Beijing, China.

P3_20  CLINICAL AND ELECTRODIAGNOSTIC FEATURES OF GANGLIONOPATHIES WITH SPECIAL REFERENCE TO ULNAR SENSORY-MOTOR AMPLITUDE RATIO(USMAR) FROM A TERTIARY CARE CENTER IN INDIA
34923  Anjan Pyal  
(1)Pyal A , (2)Sireesha Y,(3)Neeharika ML,(4) Meena AK . (1) Senior resident , (2)Assistant professor, (3) Assistant professor, (4) Professor. Department of Neurology, Nizam’s Institute of Medical Sciences

P3_21  DOES ELECTROPHYSIOLOGY AND TREATMENT RESPONSE DIFFER IN IDIOPATHIC VS DIABETIC CHRONIC INFLAMMATORY DEMYELINATING POLYNEUROPATHY (CIDP)?
35500  Anza Memon  
Anza Memon, Sarah Madani, BK. Ahmad, Lonni Schultz, Kavita Grover, Ximena Arcila-londono, Naganand Sripathi. Neuromuscular Division, Department of Neurology, Henry Ford Hospital, Detroit, MI.

P3_22  ASSESSMENT OF INDIVIDUAL RESPONSE TO INTRAVENOUS IMMUNOGLOBULIN USING DAILY HOME MONITORING OF HAND GRIP STRENGTH IN CHRONIC INFLAMMATORY NEUROPATHIES
35335  Pietro Emiliano Doneddu  
(1) Doneddu PE, (1) Hadden RDM (1) Department of Neurology, King’s College Hospital, London, UK.

P3_23  A RETROSPECTIVE AUDIT OF IVIG INFUSION RATES IN THE TREATMENT OF AUTOIMMUNE NEUROLOGICAL DISEASE
35269  Michael Cumberbatch  
P3_24  SWEATING DISTURBANCES IN SENSORY NEURONOPATHY
Rodrigo Conde
(1) Conde RM, (1) Fusco T, (2) Martinez AR, (2) França MC Jr, (1) Marques Jr W, (1) Barreira AA. (1) Department of Neuroscience, University of São Paulo, Medical School of Ribeirão Preto, SP, Brazil; (2) Department of Neurology, Faculty of Medical Sciences, University of Campinas, SP, Brazil

P3_25  PURE NEURAL LEPROSY MIMICKING BRACHIAL AND LUMBOSACRAL PLEXOPATHY
Pedro José Tomaselli
Tomaselli PJ (1), Marques VD (1), dos Santos AJC (1), Lavigne CM (1), Toscano PO (1), Barreira AA (1), Foss N (2), Frade MA (2), Marques W Jr (1, 3) (1) Division of Neuromuscular Diseases, Department of Neurosciences and Behaviour Sciences, Clinical Hospital of Ribeirão Preto, University of São Paulo, Ribeirão Preto, Brazil. (2) Dermatology, Department of Internal Medicine, Clinical Hospital of Ribeirão Preto, University of São Paulo, Ribeirão Preto, Brazil. (3) Neurogenetics, Department of Neurosciences and Behaviour Sciences, University of São Paulo, Ribeirão Preto, Brazil.

P3_26  CORTICOSTEROID TREATMENT IN CHRONIC INFLAMMATORY DEMYELINATING POLYNEUROPATHY – A MULTICENTER, RETROSPECTIVE STUDY.
Gwen van Lieverloo
(1) van Lieverloo G, (2) Basta I, (1) Verhamme C, (3) Gallia F, (2) Stivic Z, (2) Nikolic A, (3) Liberatore G, (3) Bianco M, (3) Doneddu P, (1) van Schaik I, (3) Nobile-Orazio E, (1) Eftimov F (1) Academic Medical Center (AMC), Amsterdam, the Netherlands (2) Neurology Clinic, Clinical Center of Serbia, School of Medicine, University of Belgrade, Belgrade, Serbia (3) Neuromuscular and Neuroimmunology Service, Humanitas Clinical and Research Center, Department of Medical Biotechnology and Translational Medicine, Milan University, Rozzano, Milan, Italy

P3_27  DOES INTRAVENOUS IMMUNOGLOBULIN SERVE AS AN EFFECTIVE TREATMENT FOR GUILLEMIN-BARRÉ SYNDROME IN DEVELOPING COUNTRIES? A CONTROLLED MATCHED PAIR ANALYSIS
Nowshin Papri
(1) Islam Z, (1) Papri N, (1) Ara G, (1,2) Islam MB, (3) Mohammad QD (1) International Centre for Diarrhoeal Disease Research, (icddr,b), Dhaka, Bangladesh; (2) Department of Medical Microbiology and Infectious Diseases, Erasmus University Medical Centre, Rotterdam, The Netherlands; (3) National Institute of Neurosciences and Hospital, Sher-e-Bangla Nagar, Agargaon, Dhaka, Bangladesh

P3_28  NEOD001 DEMONSTRATES DURABLE PERIPHERAL NEUROPATHY RESPONSES IN PATIENTS WITH LIGHT CHAIN AMYLOIDOSIS AND PERSISTENT ORGAN DYSFUNCTION: RESULTS FROM A PHASE 1/2 STUDY
Elena Alvarez-Baron
(1) Gertz M, (2) Comenzo RL, (3) Landau H, (4) Sanchorawala V, (5) Weiss BM, (6) Zonder JA, (7) Walling J, (8) Kinney GG, (8) Koller M, (8) Schenk DB, (8) Guthrie SD, (8) Liu E, (8) Alvarez-Baron E, (9) Liedtke M. (1) Mayo Clinic, Rochester, USA; (2) Tufts Medical Center, Boston, USA; (3) Memorial Sloan Kettering Cancer Center, New York, USA; (4) Boston University School of Medicine, Boston, USA; (5) University of Pennsylvania, Philadelphia, USA; (6) Karmanos Cancer Institute, Detroit, USA; (7) JW Consulting, Hillsborough, USA; (8) Prothena Biosciences Inc, South San Francisco, USA; (9) Stanford University School of Medicine, Stanford, USA.

P3_29  RABBIT ANTI-FGFR3 ANTIBODIES INDUCE NEURON CELL DEATH AND MODULATE FGFR3 AND NMDA AND AMPA RECEPTORS THROUGH THE P38-MAP KINASE PATHWAY.
Jean-Christophe Antoine
Boutahar N,1 Reynaud E,1 Nasser Y,1 Camdessanché JP,1 Antoine JC.1 1 University Hospital, Saint-Etienne, France.
INTERNATIONAL CIDP OUTCOME STUDY (ICOS): A PROSPECTIVE STUDY ON CLINICAL AND BIOLOGICAL PREDICTORS OF DISEASE COURSE AND OUTCOME

Merel Broers
(1) Bunschoten C, (2) van Lieverloo GGA, (2) Adrichem MA, (1) Broers MC, (3) van der Pol WL, (2) Eftimov F, (1,4) Jacobs BC, for the ICOS Consortium. (1) Department of Neurology, Erasmus Medical Center, Rotterdam, The Netherlands; (2) Department of Neurology, Academic Medical Center, Amsterdam, The Netherlands; (3) Department of Neurology, University Medical Center, Utrecht, The Netherlands; (4) Department of Immunology, Erasmus Medical Center, Rotterdam, The Netherlands.

EFFECTIVE THERAPEUTIC EFFECT OF HUMAN IMMUNOGLOBULIN AND A RECOMBINANT Fc PORTION ON A RAT MODEL FOR CHRONIC INFLAMMATORY DEMYELINATING POLYRADICULONEUROPATHY (CIDP)

Susana Brun
(1) Brun S, (1,2) Kremer L, (3) Mondon P, (3) Jacque E, (3) Chtourou S, (4) Masiello NC, (1,2) De Seze J. (1) UMR_S INSERM U1119 Biopathologie de la Myéline, Neuroprotection et Stratégies Thérapeutiques. University of Strasbourg. Fédération de Médecine Translationnelle de Strasbourg (FMTS), Strasbourg, France; (2) Departement of Neurology, University Hospital of Strasbourg, Strasbourg, France; (3) Direction of Innovative Therapeutic, LFB Biotechnologies, Loos, France; (4) LFB USA, Framingham, MA.

MRI OF THE BRACHIAL PLEXUS AND CHRONIC INFLAMMATORY DEMYELINATING POLYRADICULONEUROPATHY: ASSESSMENT OF DTI-DERIVED MEASUREMENTS AT 3.0-T

Eve Chanson
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EGOS DID NOT HAVE A GOOD CAPACITY TO PROGNOSIS IN GBS IN RIO GRANDE DO NORTE, BRAZIL

Mário Emílio Dourado

INTERNATIONAL STANDARD FOR CIDP REGISTRY AND BIOBANK, RESULTS OF THE 231ST ENMC CONSENSUS MEETING

Filip Eftimov
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VALUE OF ANTI-HNK1 ANTIBODIES IN ANTI-MAG NEUROPATHIES: AN ANALYSE OF 144 SERA.

Emilien Delmont
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P3_36  GBS CLASSIFICATION ACCORDING TO TWO-SETS OF EMG EXAMINATION IN A SAMPLE OF THE BRAZILIAN POPULATION
Caroline Germano
Germano CSB, Moreira CL, Marques VD, Santos ACJ, Onofre PTBN, Barreira AA, Marques W Jr.

P3_37  AUTOIMMUNE T CELLS IN AN EX VIVO MODEL OF THE PERIPHERAL NERVOUS SYSTEM
Lea Grümme
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P3_38  RANDOMIZED CONTROLLED TRIAL OF ORAL FINGOLIMOD IN CHRONIC INFLAMMATORY DEMYELINATING POLYRADICULONEUROPATHY (FORCIDP TRIAL): SUBGROUP ANALYSES
Richard Hughes
(1) Hughes R, (2) Cornblath D, (3) Dalakas M, (4) Merkies ISJ, (5) Latov N, (6) Léger J-M, (7) Nobile-Orazio E, (8) Sobue G, (9) Genge A, (10) Merschhemke M, (10) Ervin C, (10) Agoropoulou C, (11) Hartung H-P (1) National Hospital for Neurology and Neurosurgery, London, UK; (2) Johns Hopkins Medical School, Baltimore, MD, USA; (3) University of Athens Medical School, Athens, Greece; (4) Maastricht University Medical Center, Maastricht, The Netherlands; St. Elisabeth Hospital, Willemstad, Curacao, Netherlands Antilles; (5) Weill Cornell Medical College, NY, USA; (6) National Referral Center for Neuromuscular Diseases, University Hospital Pitié-Salpêtrière, Paris, France; (7) Milan University, Humanitas Clinical and Research Center, Rozzano, Milan, Italy; (8) Nagoya University Hospital, Nagoya, Japan; (9) Montreal Neurological Institute and Hospital, Montreal, Quebec, Canada; (10) Novartis Pharma AG, Basel, Switzerland; (11) Department of Neurology, Universitätsklinikum Düsseldorf, Heinrich-Heine-University, Düsseldorf, Germany

P3_39  EFFICACY OF IMMUNOGLOBULINS FOR NOD B7-2 KO MICE
Masahiro Iijima

P3_40  SMALL VOLUME PLASMA EXCHANGE FOR GUILLAIN-BARRE SYNDROME IN LOW INCOME COUNTRIES: A SAFETY AND FEASIBILITY STUDY
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P3_41  THE SUCCESSFUL USE OF VERY HIGH DOSE IVIG IN ACQUIRED, DEMYELINATING NEUROPATHIES- 3 CASES
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P3_42  AUTOPHAGOLYSOSOME-MEDIATED MYELIN CORPSE FORMATION BY SCHWANN CELLS IN SEGMENTAL DEMYELINATION
Byeola Yoon

P3_43  ANTIBODIES AGAINST CELL ADHESION MOLECULES AND NEURAL STRUCTURES IN PARANEOPLASTIC NEUROPATHIES.
Ana Maria Siles
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P3_44  UPDATE ON THE INTERNATIONAL GBS OUTCOME STUDY IN CHILDREN (IGOS-KIDS)
Alexandra Doets
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P3_45  HEAD AND VOICE TREMOR IMPROVING WITH IMMUNOTHERAPY IN AN ANTI-NF155 POSITIVE CIDP PATIENT
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THE FRANCOPHONE ANTI-MAG COHORT: ANALYSIS OF THERAPEUTIC MANAGEMENT IN 202 PATIENTS

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Members of the Francophone anti-MAG cohort Group are listed in “Appendix”.

Appendix: The Francophone anti-MAG cohort Group: Other members of the Francophone anti-MAG cohort Group who provided cases for the study are, in alphabetical order: David Adams, Hôpital Bicêtre; Sharam Attarian, CHU de Marseille; Anne-Laure Bedat-Millet, CHU de Rouen; Françoise Bouhour, CHU de Lyon; Célia Boutte, CHU de Grenoble; Guy Chauplannaz, CHU de Lyon; Raquel Costa, Hôpital Pitié-Salpêtrière; Perrine Devic, CHU de Lyon; Chantal Grand, CHU de Lyon; Guillemette Jousserand, CHU de Lyon; Timothée Lenglet, Hôpital Pitié-Salpêtrière; Pierre Lozeron, Hôpital Bicêtre; Thierry Maisonobe, Hôpital Pitié-Salpêtrière; Cristina Muntean, Hôpital Pitié-Salpêtrière; Yann Pereon, CHU de Nantes; Jean Pouget, CHU de Marseille.

Inhibition of Complement in Guillain-Barré Syndrome: The ICA-GBS Study

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SAFETY, PHARMACOKINETICS AND PHARMACODYNAMICS OF THE FCRN INHIBITOR UCB7665: A PHASE I STUDY

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MR-NEUROGRAPHY DETECTS INVOLVEMENT OF THE PERIPHERAL NERVOUS SYSTEM IN MULTIPLE SCLEROSIS

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IMMUNE CHECKPOINT INHIBITOR-INDUCED ACUTE NEUROPATHIES

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ATYPICAL CASE OF ACUTE MOTOR AND SENSORY AXONAL NEUROPATHY (AMSAN) IN A PATIENT CO-INFECTED WITH SYPHILIS

Tayla Romão

CLINICO-ELECTROPHYSIOLOGICAL CORRELATION WITH ANTI-NEUROFASCIN155 ANTIBODY LEVELS IN THE ANTIBODY-POSITIVE CHRONIC INFLAMMATORY DEMYELINATING POLYNEUROPATHY PATIENTS

Hidenori Ogata

THE CHALLENGES OF ACCURATE DIAGNOSIS OF ZIKA VIRUS ASSOCIATED GUILLAIN-BARRÉ SYNDROME (GBS) IN A DENGUE ENDEMIC AREA

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P3_54  IGM ANTI-MAG PERIPHERAL NEUROPATHY: FROM PROPER ASSESSMENT TO TRIAL NEEDS (IMAGINE STUDY)
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P3_55  THE CRYPTIC 68-104 REGION OF MYELIN BASIC PROTEIN (MBP) CAUSES PAIN FROM LIGHT TOUCH EXCLUSIVELY IN FEMALE RODENTS: AUTOIMMUNE MECHANISMS OF SEXUAL DIMORPHISM IN MECHANICAL ALLODYNIA
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P3_56  GUILLAIN-BARRÉ SYNDROME – ACUTE DISEASE WITH CHRONIC CONSEQUENCES
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P3_57  MONITORING PREGNANCY IN CHARCOT-MARIE-TOOTH DISEASE: RESULTS OF A SURVEY
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P3_58  MYASTHENIA GRAVIS? MYOPATHY? OR A NEUROPATHY?
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P3_59  THE GERMAN CHARCOT-MARIE-TOOTH DISEASE NETWORK (CMT-NET): FROM RISK FACTORS TO THERAPEUTIC ACTIONS
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P3_60  RELEVANCE AND FREQUENCY OF DIFFERENT TYPES OF CHARCOT-MARIE-TOOTH NEUROPATHY IN A LARGE POPULATION OF PATIENTS STUDIED AT A SINGLE CLINICAL SITE
Giulia Ursino
(1)G. Ursino, (1)C. Gemelli, (1)M. Grandis, (2)L. Reni, (1)E. Bellone, (1)A. Geroldi, (1)F. Gotta, (1)P. Mandich, (1)M. Ferrara, (1)A. Schenone (1) DINOGMI University of Genoa, (2)IRCCS-AOU San Martino Hospital Genoa,

P3_61  THE INHERITED NEUROPATHY VARIANT BROWSER
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P3_62  AN ONGOING PHASE 2 STUDY EVALUATING THE SAFETY, EFFICACY, AND PHARMACOKINETICS OF ACE-083 IN PATIENTS WITH CMT1 AND CMTX
Kenneth Attie
(1) Glasser CE, (2) Walk D, (3) Thomas FP, (4) Shy M, (1) D’Eon S, (1) Wilson D, (1) Sherman ML, (1) Attie KM (1) Acceleron Pharma, Cambridge, USA, (2) University of Minnesota, Minneapolis, USA, (3) Hackensack University Medical Center, Hackensack, USA, (4) University of Iowa, Iowa City, USA.

P3_63  AUTONOMIC SYMPTOMS IN TRANSTHYRETIN AMYLOIDOSIS: AN ANALYSIS OF SYMPTOMATIC SUBJECTS FROM THE THAOS REGISTRY
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P3_64  NOVEL, LIKELY PATHOGENIC, SEQUENCE VARIANTS IN HEREDITARY NEUROPATHY GENES
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P3_65  CMT2 WITH PYRAMIDAL TRACT INVOLVEMENT DUE TO ARG329HIS MUTATION IN ALANYL-TRNA SYNTHETASE (AARS)
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UNRAVELLING THE DISEASE MECHANISMS UNDERLYING THE DHMN1 INSERTION

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HUMAN MOTOR NEURON NEUROSPHERES AS A NEW PLATFORM TO STUDY AXONAL PHENOTYPES IN PERIPHERAL NEUROPATHIES

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AXONAL NEUROPATHIES DUE TO MUTATIONS IN SMALL HEAT SHOCK PROTEINS: CLINICAL, GENETIC AND FUNCTIONAL INSIGHTS INTO NOVEL MUTATIONS.

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MUTATIONS IN BAG3 CAUSE ADULT ONSET CHARCOT MARIE TOOTH DISEASE

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SCHWANN CELL AND ENDOTHELIAL CELL DAMAGE IN TRANSTHYRETIN FAMILIAL AMYLOID POLYNEUROPATHY

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MOTOR AXON EXCITABILITY IN CHARCOT-MARIE-TOOTH DISEASE TYPE 1B WITH A NULL MUTATION IN THE P0 GENE – INSIGHTS FORM A MOUSE MODEL.

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ACE-083, A LOCALLY-ACTING GDF/ACTIVIN LIGAND TRAP, AUGMENTS DORSIFLEXOR MUSCLE FUNCTION IN A MURINE MODEL OF CHARCOT-MARIE-TOOTH (CMT) DISEASE
Jia Li
Jia Li1, Marishka Cannell1, Rajasekhar NVS Suragani1, R Scott Pearsall1, Ravindra Kumar1. 1Acceleron Pharma Inc, Cambridge, USA.

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SENSITIVITY OF THE CMT INFANT SCALE: PRELIMINARY ANALYSIS OF CMT SUBTYPES AND COMPARISON TO CONTROLS
Melissa Mandarakas
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CLINICAL AND NEUROPHYSIOLOGICAL PROFILE OF CMTX3 IN CHILDHOOD
Manoj Menezes
(1) Kanhangad M, (2,3) Cornett K, (2,4) Brewer MH, (2,4,5) Nicholson GA, (1,2,3) Ouvrier RA, (6,7,8) Ryan MM, (9) Smith RL, (9) Subramanian GM, (2,10) Young HK, (2,4,5) Kennerson ML, (2,3,11) Burns J, (1,2,3) Menezes MP, (1) T.Y. Nelson Department of Neurology and Neurosurgery, The Children’s Hospital at Westmead, Westmead, Australia; (2) University of Sydney, Camperdown, Australia; (3) Institute for Neuroscience and Muscle Research, The Children’s Hospital at Westmead, Westmead, Australia; (4) Northcott Neuroscience Laboratory, ANZAC Research Institute, Concord, Australia; (5) Molecular Medicine Laboratory, Concord Repatriation General Hospital, Concord, Australia; (6) Department of Neurology, Royal Children’s Hospital, Parkville, Australia; (7) Murdoch Childrens Research Institute, Parkville, Victoria, Australia; (8) Department of Paediatrics, University of Melbourne, Parkville, Australia; (9) Department of Neurology, John Hunter Children’s Hospital, and University Faculty of Health, Newcastle, Australia; (10) Department of Paediatrics, Royal North Shore Hospital, St Leonards, Australia; (11) Paediatric Gait Analysis Service of New South Wales, Sydney Children’s Hospitals Network (Randwick and Westmead), Australia.

P3_75
CMT1B AND SENSORY ABNORMALITIES ASSOCIATED WITH A MPZ NULL MUTATION
Giuseppe Piscosquito
(1) Piscosquito G, (2) Saveri P, (1) Provitera V, (1) Stancanelli A, (3) Ciano C, (4) Magri S, (4) Taroni F, (5) Fabrizi GM (1) Nolano M, (2) Pareyson D, (1) Neurorehabilitation Unit, “Maugeri” Scientific Clinical Institutes, Scientific Institute of Telese Terme (BN), Italy; (2) Unit of Rare Neurological Diseases of Adulthood, Department of Clinical Neurosciences, IRCCS Foundation, “C. Besta” Neurological Institute, Milan, Italy; (3) Neuropathology and Epilepsy Centre, Department of Diagnostics and Applied Technology, IRCCS Foundation, C. Besta Neurological Institute, Milan, Italy; (4) Unit of Genetics of Neurodegenerative and Metabolic Disease, Department of Diagnostic and Applied Technology, IRCCS Foundation, “C. Besta” Neurological Institute, Milan, Italy; (3) Section of Neuropathology, Department of Neurological and Movement Sciences, University of Verona, Verona, Italy.
P3_76  EVALUATING THE BENEFITS OF COMMUNITY BASED AEROBIC TRAINING ON THE PHYSICAL HEALTH AND WELL-BEING OF PEOPLE WITH CHARCOT-MARIE-TOOTH DISEASE TYPE 1A: A PILOT RANDOMISED CONTROLLED TRIAL.

Gita Ramdharry
Wallace A (1), Pietrusz A (1), Dewar E (1), Dudziec M (1,2), Jones K (1), Hennis P (3), Sterr A (4), Baio G (5), Butcher K (6), Laura M (1), Skorupinska I (1), Skorupinska M (1), Trenell M (7), Hanna MG (1), Reilly MM (1), Ramdharry GM (1,2). 1MRC Centre for Neuromuscular Diseases, UCL Institute of Neurology, London, UK 2Faculty of Health, Social Care & Education, Kingston University/St George’s University of London, UK 3Institute of Sport, Exercise and Health, UCL, UK 4Department of Psychology, University of Surrey, Guildford, UK 5Department of Statistical Science, UCL, London. UK 6Charcot Marie Tooth United Kingdom, Registered charity number 1112370, UK 7Movelab, Newcastle University, UK

P3_77  RECESSIVE SH3TC1 VARIANTS IN A CASE WITH PROGRESSIVE AND LETHAL PERIPHERAL DEMYELINATION

Adriana Rebelo
(1) Rebelo A, (2) Feely, SM, (1) Bis D, (1) Tao F, (2) Shy, R, (1) Zuchner, S, (2) Shy, M. (1) Dr. John T. Macdonald Foundation Department of Human Genetics, John P. Hussman Institute for Human Genomics, University of Miami Miller School of Medicine, Miami, USA; (2) Department of Neurology, Carver College of Medicine, University of Iowa, Iowa City, USA

P3_78  CHARCOT-MARIE-TOOTH DISEASE TYPE-1A (CMT1A) PLUS

Megan Simmons
(1) Simmons M, (2) Tao F, (2) Abreu L, (2) Zuchner S, (1) Li J. (1) Department of Neurology, Vanderbilt University School of Medicine, Nashville, Tennessee, USA; (2) Hussman Institute for Human Genomics, University of Miami, Miami, Florida, USA

P3_79  MOTOR UNIT NUMBER INDEX CORRELATES WITH DISABILITY IN CHARCOT-MARIE-TOOTH DISEASE TYPE 1A.

Joachim Bas
(1) Bas J, (1, 2) Delmont E, (1) Fatehi F, (3) Boulay C, (3) Chapbrol B, (1, 5) Salort-Campana E, (1) Sévy A, (1) Verschueren A, (1, 5) Pouget J, (4) Lefebvre MN, (1) Grapperon AM, (1, 5) Attarian S. (1) Reference Center for Neuromuscular Diseases and ALS, La Timone University, Aix-Marseille University, Marseille, France (2) Aix-Marseille University, UMR 7286, Medicine Faculty, Marseille, France (3) Reference Center for Pediatric Neuromuscular Disorders, La Timone University Hospital, Aix-Marseille University, Marseille, France (4) CIC- CPCET, La Timone University Hospital, Aix-Marseille University, Marseille, France (5) Aix-Marseille University, Inserm, GMGF, Marseille, France

P3_80  PHENOTYPICAL AND GENOTYPICAL CROSSROADS BETWEEN INHERITED DISEASES OF NERVE AND MUSCLE: TWO EXAMPLES OF VCP AND GNE–RELATED DISORDERS

Gian Maria Fabrizi
(1) Fabrizi GM, (1) Testi S, (2) Høyer H, (2) Braathen Gj, (3) Squintani G, (1) Bertolasi L, (1) Ferrarini M, (1) Taioli F, (1) Cabrini I, (1) Pancheri E, (1) Cavallaro T, (1) Tonin P. (1) Department of Neuroscience, Biomedicine and Movement, University of Verona and Department of Neuroscience, AOUI Verona, Italy; (2) Section of Medical Genetics, Department of Laboratory Medicine, Telemark Hospital, Skien, Norway.
P3_81  PMP22 EXON 4 DELETION CAUSES ER RETENTION OF PMP22 AND A GAIN-OF-FUNCTION ALLELE IN CMT1E
Tiffany Grider
(1) Department of Neurology, Neuromuscular Division, University of Iowa Hospitals and Clinics, Iowa City, Iowa (2) Department of Neurology, Neurogenetics Division, University of Iowa Hospitals and Clinics, Iowa City, Iowa (3) Departments of Neurology and Pediatrics, Washington University School of Medicine, Neuromuscular Division, St. Louis MO (4) Department of Pediatrics, Baylor College of Medicine, Houston, Texas  
* The two authors contributed equally

P3_82  TAFAMIDIS DELAYS DISEASE PROGRESSION COMPARABLY ACROSS VAL30MET AND NON-VAL30MET GENOTYPES IN TRANSTHYRETIN FAMILIAL AMYLOID POLYNEUROPATHY
Balarama Gundapaneni
(1) Gundapaneni B, (2) Sultan MB, (2) Keohane DJ, (2) Schwartz J. (1) inVentiv Health Inc., Burlington, MA, USA; (2) Pfizer Inc, New York, NY, USA.

P3_83  THE DEVELOPMENT OF NEUROPATHY IN A MOUSE MODEL OF CMT2E - SEQUENTIAL NERVE CONDUCTIONS
Eunjoo Lancaster
(1) Lancaster E, (1) Li J, (2) Liem R (1) Scherer SS. (1) Perelman School of Medicine, University of Pennsylvania, Philadelphia, Pennsylvania, USA; (2) Columbia University School of Medicine, New York, NY, USA

P3_84  MOLECULAR DIAGNOSIS OF INHERITED PERIPHERAL NEUROPATHIES: GENE PANEL VS. EXOME SEQUENCING
Vincenzo Lupo
Lupo V1,2, Frasquet M3,4, Sánchez-Monteagudo A1,2, Barreiro M3, García-Romero M5, Alberti MA6, Márquez-Infante C7, Pascual SI5, Casasnovas C6, Quintans B8,9, Camacho A10, Domínguez C10, Sedano MJ11, Pelayo AL11, Pardo J12, Sobrino T12, Sobrido MJ8,9, Sevilla T3,4, Espinós C1,2. 1Centro de Investigación Príncipe Felipe, Valencia, Spain; 2INCLIVA & IIS La Fe Rare Diseases Joint Units, Valencia, Spain; 3Hospital Universitari i Politècnic La Fe, Valencia, Spain; 4CIBER of Rare Diseases (CIBERER); 5Hospital La Paz, Madrid, Spain; 6Hospital Bellvitge, Barcelona, Spain; 7Hospital Virgen del Rocio, Sevilla, Spain; 8Instituto de Investigaciones Sanitarias (IDIS), Santiago de Compostela, Spain; 9Fundación Pública Galega de Medicina Xenómica, Centro de Investigación Biomédica en Red de Enfermedades Raras (CIBERER), Spain; 10Hospital 12 de Octubre, Madrid, Spain; 11Hospital Universitario Marqués de Valdecilla, Santander, Spain; 12Hospital Clínico Universitario Santiago de Compostela, Santiago de Compostela, Spain.

P3_85  CLINICAL SIGNIFICANCE OF CONDUCTION BLOCK IN CMT1A PATIENTS WITH PMP22 DUPLICATION
Jihyung Park
(1) Park J, (2) Choi MS, (3) Seok JM, (4) Min JH, (5) Kim BJ, (6) Choi BO.  (1) Samsung Medical Center, Seoul, Korea, Republic of; (2) Samsung Medical Center, Seoul, Korea, Republic of; (3) Samsung Medical Center, Seoul, Korea, Republic of; (4) Samsung Medical Center, Seoul, Korea, Republic of; (5) Samsung Medical Center, Seoul, Korea, Republic of; (6) Samsung Medical Center, Seoul, Korea, Republic of.
CHARCOT MARIE TOOTH DISEASE TYPE 2 (CMT2P) DUE TO LRSAM1 MUTATIONS: CLINICAL AND GENETIC FINDINGS

Andrea Cortese
Cortese A (1), Laura M (1), Polke H (2), Poh R (2), Rossor AM(1), Tomaselli P (1), Blake J (1), Lunn M (1), Houlden H (3), Reilly MM (1). (1) MRC Centre for Neuromuscular Diseases, National Hospital for Neurology and Neurosurgery, UCL Institute of Neurology, Queen Square, London, UK (2) Department of Neurogenetics, The National Hospital for Neurology and Neurosurgery, UCL Institute of Neurology, London, UK (3) Department of Molecular Neuroscience, UCL Institute of Neurology and the National Hospital for Neurology and Neurosurgery, Queen Square, London, UK.

WEDNESDAY 12 JULY 2017

7.30 - 8.30
Clinical Trial Updates
Coffee + Poster Viewing

- Poster Session 4 (see end of Wednesday for poster titles)

8.30 - 9.00
Plenary 6: Jim Sejvar
NEURO-EPIDEMIOLOGY AND ITS RELEVANCE TO PERIPHERAL NEUROPATHY

2017 PNS Annual Meeting programme 67
INTERNATIONAL GUILLAIN-BARRÉ SYNDROME OUTCOME STUDY (IGOS): DESCRIPTION OF THE FIRST 1000 PATIENTS

Bianca van den Berg


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(2) Department of Neurology, University of Glasgow, Glasgow, UK
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(4) Department of Neurology, Tufts University School of Medicine, Boston, USA
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(7) Department of Neurology, Kindai University Faculty of Medicine, Osaka, Japan
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(9) Department of Neurology, Milan University, Humanitas Institute, Milan, Italy
(10) Department of Neurology, Hospital Britanico, Buenos Aires, Argentina
(11) Department of Neurology, Concord Repatriation General Hospital, Sydney, Australia
(12) Department of Neurology, ICDRR,B, Dhaka, Bangladesh
(13) Laboratory Sciences and Services Division, ICDRR,B, Dhaka, Bangladesh
(14) National Institute of Neuroscience and Hospital, Dhaka, Bangladesh
(15) Department of Neurology, University Hospital St. Luc, Brussels, Belgium
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(17) Reference Centre for Neuromuscular Diseases, Nantes University Hospital, Nantes, France
(18) Department of Neurology, University of Malaya, Kuala Lumpur, Malaysia
(19) Department of Neurology, National Taiwan University Hospital, Taipei, Taiwan
(20) Department of Neurology, University of Cape Town, Cape Town, South Africa
(21) Department of Neurology, University of Thessaly, Larissa Thessaly, Greece
(22) Department of Neurology, Affiliated Hospital of Jining Medical College, Jining, China
(23) Department of Neurology, Institute of Neurology, University College, London, UK
(24) Department of Neurology, Johns Hopkins University, Baltimore, USA
(25) Department of Immunology, Erasmus Medical Centre, Rotterdam, The Netherlands
REFINEMENT OF DIAGNOSTIC CRITERIA FOR CIDP BEYOND ELECTROPHYSIOLOGY: DATA FROM THE ITALIAN DATABASE FOR THE DIAGNOSIS AND THERAPY OF CIDP AND VARIANTS

Giuseppe Liberatore

THE ROLE OF IMMUNE CELLS IN NERVE DEGENERATION AND REGENERATION: A NEW PERSPECTIVE

Richard Zigmond
Lindborg JA, Niemi, JP, DeFrancesco A, Zigmond RE,

PREDICTORS OF SEVERITY AND OUTCOME OF GUILLAIN-BARRÉ SYNDROME IN CHILDREN

Joyce Roodbol
(1,2) Roodbol J, (5) Korinthenberg R, (2) de Wit MCY, (4) Lingsma H, (2) Catsman-Berrevoets CE, (1,3) Jacobs BC. (1) Department of Neurology, (2) Paediatric Neurology, (3) Immunology, (4) Public health, Erasmus MC–Sophia Children’s Hospital, University Medical Center Rotterdam, The Netherlands. (5) Division of Neuropaediatrics and Muscular Disorders, Department of paediatrics and Adolescent Medicine, University Hospital Freiburg, Freiburg, Germany.

IMMUNOGLOBULIN TREATMENT FOR PATIENTS WITH MILD GUILLAIN-BARRÉ SYNDROME: AN INTERNATIONAL PROSPECTIVE OBSERVATIONAL STUDY

Christine Verboon
(1) Verboon C and (1, 2) Jacobs BC, the IGOS Consortium, (1) Department of Neurology, Erasmus Medical Centre, Rotterdam, The Netherlands, (2) Department of Immunology, Erasmus Medical Centre, Rotterdam, The Netherlands
OP6_2  MUTIPLE SITES NERVE ULTRASOUND OF CHARCOT-MARIE-TOOTH TYPE 1A AND CHRONIC INFLAMMATORY DEMYELOGATING POLYRADICULONEUROPATHY
Niu JW, Cui LY, Liu MS. The Department of Neurology, Peking Union Medical College Hospital, Chinese Academy of Medical Sciences, Beijing, China.

OP6_3  CIDP DIAGNOSTIC CRITERIA AND TREATMENT RESPONSE
Pasnoor M, Roach C, Barohn RJ, Statland J, Jawdat O, Dick A, Glenn M, Dimachkie MM. Department of Neurology, Neuromuscular Division, The University of Kansas Medical Center, Kansas City, KS, USA

OP6_4  PROPOSAL OF DIAGNOSTIC CRITERIA FOR POEMS SYNDROME WITH THE HIGH SENSITIVITY/SPECIFICITY
Suichi T, Misawa S, Sato Y, Sekiguchi Y, Shibuya K, Watanabe K, Amino H, Kuwabara S. Department of Neurology, Graduate School of Medicine, Chiba University, Chiba, Japan; Clinical Research Center, Chiba University Hospital, Chiba, Japan.

OP6_5  BLINK R1 LATENCY UTILITY IN DIAGNOSIS AND TREATMENT ASSESSMENT OF POEMS AND CIDP
Wang W, Litchy WJ, Mauermann ML, Dyck PJB, Dispenzieri A, Mandrekar J, Dyck PJ, Klein CJ. Department of Neurology, Mayo Clinic, Rochester MN, USA; Department of Neurology, China-Japan Friendship Hospital, Beijing, China; Department of Hematology, Mayo Clinic, Rochester MN, USA; Biomedical Statistics and Informatics, Mayo Clinic, Rochester MN, USA.

OP6_6  ITG2A-EXPRESSING SCHWANN CELLS UPREGULATE A MACROPHAGE RECRUITMENT FACTOR PERIOSTIN DURING SPONTANEOUS AUTOIMMUNE PERIPHERAL NEUROPATHY

OP6_7  HIGH INCIDENCE OF GUILLAIN-BARRÉ SYNDROME AFTER ZIKA VIRUS INFECTION IN THE STATE RIO GRANDE DO NORTE, IN NORTHEAST BRAZIL
Keisuke Y, Miyuki M, Motoi K, Susumu K. Department of Neurology, Kindai University Faculty of Medicine, Osaka, Japan.
INTERNATIONAL ZIKA VIRUS RELATED GUILLAIN-BARRÉ SYNDROME OUTCOME STUDY (IGOS-ZIKA): A CASE-CONTROLLED STUDY

Sonia Leonhard
(1) S.E. Leonhard, (2) M. Amorelli, (3) A.A. Barreira, (4) D.R. Comblath, (5) M. Deen Mohammed, (1) P.A. van Doorn, (6) Z. Islam, (3) W. Marques Jr., (4) C.A. Pardo, (7) N. Shahrizaila, (8) T. Umapathi, (9) H.J. Willison, (1,10) B.C. Jacobs, the IGOS-Zika Consortium. (1) Department of Neurology, Erasmus Medical Centre, Rotterdam, The Netherlands, (2) Department of Infectious Diseases, Secretary of State for Health of the Federal District, Brasilia, Brazil, (3) Department of Neuroscience Medical School of Ribeirão Preto, University of São Paulo, Ribeirão Preto, SP, Brazil, (4) Department of Neurology, Johns Hopkins University School of Medicine, Baltimore, The United States (5) National Institute of Neurosciences and Hospital (NINS), Dhaka, Bangladesh, (6) Laboratory Sciences and Services Division, icddr,b, Dhaka, Bangladesh, (7) Department of Neurology, University of Malaya, Kuala Lumpur, Malaysia, (8) National Neuroscience Institute, Singapore, Singapore, (9) Department of Neurology, University of Glasgow, Glasgow, The United Kingdom, (10) Department of Immunology, Erasmus Medical Centre, Rotterdam, The Netherlands.

THE DIAGNOSTIC YIELD OF PCR-BASED CLONALITY TESTING ON NERVE BIOPSY IN THE DIAGNOSIS OF NEUROLYMPHOMATOSIS

Laurent Magy

INTRAVENOUS IMMUNOGLOBULIN (IVIG) FOR RESTABILIZATION TREATMENT AFTER IVIG WITHDRAWAL IN CHRONIC INFLAMMATORY DEMYELINATING POLYNEUROPATHY (CIDP). RESULTS FROM THE PRE-RANDOMIZATION PHASE OF THE PATH STUDY

Orell Mielke
(1) Mielke O, (2) Bril V, (3) van Geloven N, (4) Hartung H-P, (5) Lewis RA, (6) Sobue G, (1) Lawo J-P, (1) Durn BL, (7) Comblath DR, (8) Merkies ISJ, (9) van Schaik IN, on behalf of the PATH study group. (1) CSL Behring, Marburg, Germany and King of Prussia, PA, USA; (2) Department of Medicine (Neurology), University Health Network, University of Toronto, Toronto, Canada; (3) Department of Biostatistics and Bioinformatics, Leiden University Medical Center, Leiden, The Netherlands; (4) Department of Neurology, Heinrich Heine University Düsseldorf, Germany; (5) Department of Neurology, Cedars-Sinai Medical Center, Los Angeles, CA, USA; (6) Department of Neurology, Nagoya University Graduate School of Medicine, Nagoya, Japan; (7) Department of Neurology, Johns Hopkins University School of Medicine, Baltimore, MD, USA; (8) Department of Neurology, Maastricht University Medical Center, Maastricht, The Netherlands; (9) Department of Neurology, Academic Medical Centre, University of Amsterdam, Amsterdam, The Netherlands.
ELECTROPHYSIOLOGICAL CRITERIA FOR GBS SUBTYPE DIAGNOSIS: A PROSPECTIVE MULTICENTRIC EUROPEAN STUDY

Peter Van den Bergh
(1) Van den Bergh PYK, (2) Attarian S, (2) Grapperon AM, (3) Nicolas G, (4) Cassereau J, (5) Rajabally YA, (2) Delmont E, (6) Woodard JL, (7) Piéret F; the University of Louvain GBS Electrodiagnosis Study Group* (1) Neuromuscular Reference Centre, University Hospital St-Luc, Brussels, Belgium; (2) Centre de référence des maladies Neuromusculaires et la SLA, Hôpital de la Timone, Marseille, France; (3) Service de neurologie, Hôpital Raymond Poincaré, Garches, France; (4) Centre de Reïfeïrence Maladies Neuromusculaires de l’Enfant et de l’Adulte Nantes-Angers, Centre Hospitalier Universitaire d’Angers, Angers, France; (5) Regional Neuromuscular Service, Neurology, University Hospitals Birmingham, Birmingham, UK; (6) Department of Psychology, Wayne State University, Detroit, Michigan, USA; (7) St Elisabeth Hospital, Brussels, Belgium; *The University of Louvain GBS Electrodiagnosis Study Group: P. Y. K. Van den Bergh, V. Van Parijs (University Hospital St-Luc, Brussels); F. Piéret (St Elisabeth Hospital, Brussels); D. Verougstraete (Parc Leopold Hospital, Brussels); Ph. Jacquerye, J. M. Raymackers (St-Pierre Hospital, Ottignies); C. Redant (St-Luc Hospital, Bouge); C. Michel (Jolimont Hospital, Mons)

LARGE COVERAGE MR NEUROGRAPHY IN CIDP – DIAGNOSTIC ACCURACY AND ELECTROPHYSIOLOGICAL CORRELATION

Min-Suk Yoon
(1) Kronlage M, Baeumer P, (2) Pitarokoili K, (1) Schwarz D, (1) Schwehr V, (1) Godel T, (1) Heiland S, (2) Gold R, (1) Bendszus M, (2) Yoon MS. (1) Heidelberg University Hospital, Department of Neuroradiology, Germany (2) St. Josef. Hospital, Ruhr University of Bochum, Department of Neurology, Germany

MODELLING THE PHARMACOKINETICS OF INTRAVENOUS IMMUNOGLOBULIN IN GUILLAIN-BARRÉ SYNDROME

Willem Jan Fokkink
(1,2) Fokkink WJR, (3) de Winter BCM, (3) van Gelder T, (3) Koch BCP, (1,2) Jacobs BC. (1) Department of Immunology; (2) Neurology; (3) Hospital Pharmacy, Erasmus MC, University Medical Center Rotterdam, The Netherlands.

ANTIBODIES AGAINST THE NODE OF RANVIER, A FLOW CYTOMETRY ANALYSIS

Emilien Delmont

12.00 - 14.00 PNS Board Meeting 2

12.00 - 14.00 SIGs
12.00 - 14.00 Lunch + Poster Viewing

14.00 - 20.00 Individual Meetings

- Poster Session 4

P4_1 PATIENT ASSISTED INTERVENTION FOR NEUROPATHY: COMPARISON OF TREATMENT IN REAL LIFE SITUATIONS (PAIN-CONTRoLS)
Richard Barohn

P4_2 DIGIT WRINKLE SCAN©: FROM NORMATIVE VALUES TO ITS CLINICAL APPLICABILITY IN SMALL FIBER NEUROPATHY
Isis Joosten
(1) Joosten IBT, (1) Sopacua M, (1) Bovenkerk DSH, (1) Potten RMM, (1) Faber CG, (2) Merkies ISJ, (1) Hoeijmakers JGJ. (1) Maastricht University Medical Center, Maastricht, The Netherlands; (2) St. Elisabeth Hospital, Willemstad, Curaçao.

P4_3 COMPARISON BETWEEN COMPLEX REGIONAL PAIN SYNDROME TYPE 1 AND 2 BASED ON ELECTROPHYSIOLOGIC, IMAGING AND CLINICAL FINDINGS
Je-Young Shin
(1) Shin JY, (2) Moon JY. (3) Sung JJ. (1) Seoul National University Hospital, Seoul, Republic of Korea; (2) Seoul National University Hospital, Seoul, Republic of Korea; (3) Seoul National University Hospital, Seoul, Republic of Korea.

P4_4 PERIPHERAL ANTINOICEPTIVE EFFECT OF VENLAFAXINE IN RATS
Gülay Sezer
Sezer G1, Tekol Y2, Sezer Z. 2,3 1Erciyes University, Betül Ziya Eren GenKok Genome and Stem Cell Centre, Kayseri, Turkey, 2 Erciyes University, School of Medicine, Pharmacology Department, Kayseri, Turkey. 3 Erciyes University, Good Clinical Practice and Research Centre, Kayseri, Turkey.
P4_5  NEUROPHYSIOLOGICAL MEASURES CORRELATE WITH PATIENT REPORTED SYMPTOMS OF 
CHEMOTHERAPY-INDUCED PERIPHERAL NEUROPATHY
Hannah Timmins
(1)Hannah C. Timmins, (1) Tiffany Li, Matthew C. Kiernan (1), (2)(3)(4) Lisa G. Horvath, (2) 
(1) Brain and Mind Centre, University of Sydney; (2) Chris O'Brien Lifehouse, Sydney, NSW, Australia; (3) Sydney 
Medical School, University of Sydney, NSW, Australia; (4) Department of Oncology, Royal Prince Alfred Hospital, 
NSW, Australia; (5) Patricia Ritchie Centre for Cancer Care and Research, The Mater Hospital, NSW Australia; (6) 
Sydney Nursing School, University of Sydney, NSW, Australia; (7) Prince of Wales Clinical School, UNSW, NSW, 
Australia; (8) Department of Medical Oncology at Prince of Wales Hospital, Sydney, NSW, Australia.

P4_6  IVIg EFFECT IN A WISTAR RAT MODEL OF BORTEZOMIB-INDUCED PERIPHERAL NEUROPATHY
Elisa Ballarini
Ballarini E1, Meregalli C1, Carozzi V1, Chiorazzi A1, Canta A1, Monza L2, Fumagalli G3, Pozzi E3, Alberti P1,3, 
Rodriguez V1, Bossi M1, Marjanovic I4, Scali C4, Marmiroli P1, Cavaletti G1.  
1School of Medicine, Experimental Neurology Unit, University of Milano-Bicocca, Monza, Italy. 2PhD program in 
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Neuroscience, University of Milano-Bicocca, Monza, Italy. 4Kedrion S.p.A., Loc. Ai Conti, Castelvecchio Pascoli (Barga) Lucca, Italy

P4_7  CHARACTERIZATION OF A TRANSGENIC MOUSE MODEL OVEREXPRESSING TNF ALPHA IN 
MYELINATING SCHWANN CELLS
Belén García-Lareu
(1, 2) Hanewinckel R, (1) van Oijen M, (3, 4) Merkies ISJ, (5) Notermans NC, (5) Vrancken AFJE, (2) Ikram MA, (1) 
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Elisabeth Hospital, Willemstad, Curaçao; (5) Department of Neurology, University Medical Center Utrecht, the Netherlands.

P4_8  DIAGNOSTIC VALUE OF SYMPTOMS IN CHRONIC POLYNEUROPATHY: THE ERASMUS 
POLYNEUROPATHY SYMPTOM SCORE (E-PSS)
Rens Hanewincke
(1, 2) Hanewinckel R, (1) van Oijen M, (3, 4) Merkies ISJ, (5) Notermans NC, (5) Vrancken AFJE, (2) Ikram MA, (1) 
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Neurology, Maastricht University Medical Center, Maastricht, the Netherlands; (4) Department of neurology, St. 
Elisabeth Hospital, Willemstad, Curaçao; (5) Department of Neurology, University Medical Center Utrecht, the Netherlands.

P4_9  LONG-TERM OUTCOME OF INTRAEPIDERMAL NERVE FIBER REGENERATION IS IMPAIRED IN 
DIABETIC PATIENTS, BUT IS INDEPENDENT OF AXON LENGTH OR BLOOD GLUCOSE LEVEL.
Mohammad Khoshnoodi
Khoshnoodi M, Truelove S, Polydefkis M. The Johns Hopkins University, Baltimore, MD

P4_10  A NOVEL PROTEIN, MAJOR URINARY PROTEIN (MUP) CONTRIBUTES TO THE BEHAVIOUR OF 
DIABETIC AND NONDIABETIC SENSORY NEURONS
Trevor Poitras
Poitras T, Chandrasekhar A, Singh V, Martinez J, Zochodne DW. Neuroscience Mental Health Institute, and 
Division of Neurology, Department of Medicine, University of Alberta, Edmonton, Alberta, Canada T6G 2R3
INHIBITION OF HISTONE DEACETYLASE 6 (HDAC6) PROTECTS AGAINST VINCRISTINE-INDUCED PERIPHERAL NEUROPATHIES AND INHIBITS TUMOR GROWTH

Lawrence Van Helleputte
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PERIPHERAL NEUROTOXICITY IN OXALIPLATIN RETREATMENT IN COLORECTAL CANCER PATIENTS

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SCHWANN CELL P75NTR EXPRESSION AND DIABETIC NEUROPATHY

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ROLE OF L-PGDS IN SCIATIC NERVE REGENERATION AFTER INJURY

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LOCAL INFUSION OF A LOW DOSE OF CURCUMIN IMPROVES NERVE REGENERATION AND FUNCTIONAL RECOVERY IN RATS SUBMITTED TO SCIATIC NERVE CRUSH INJURY

Martial Caillaud
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P4_16  34270  MECHANOSENSING AT THE NANOSCALE: THE INFLUENCE OF THERMOPLASTIC NANOSTRUCTURES ON NEURAL CELLS.
Cecilia Masciullo
(1) Masciullo Cecilia, (1,2)Tonazzini Ilaria, (3) Dell’Anna Rossana, (4) Sonato Agnese, (5) Böttger Roman, (3) Pepponi Giancarlo, (4) Romanato Filippo, (1) Cecchini Marco. (1) NEST, Scuola Normale Superiore and Istituto Nanoscienze-CNR, Piazza San Silvestro 12, 56127 Pisa, Italy; (2) Fondazione Umberto Veronesi; Piazza Velasca 5, Milano, Italy; (3) Fondazione Bruno Kessler, Centre for Materials and Microsystems, Micro Nano Facility, Via Sommarive 18, 38123 Trento, Italy; (4) Laboratorio Nazionale IOM-CNR, Edificio MM, S.S. 14, km 163.5 in Area Science Park, Basovizza, Italy; (5) Helmholtz-Zentrum Dresden-Rossendorf, Institute of Ion Beam Physics and Materials Research, Bautzner Landstraße 400, 01328 Dresden, Germany.

P4_17  35306  VOLUNTARY EXERCISE MODULATES MACROPHAGE POLARIZATION FOLLOWING SCIATIC NERVE INJURY AND IMPROVES FUNCTIONAL RECOVERY IN MICE
Megan Jack
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P4_18  33187  RESTORATION OF NEUROMUSCULAR FUNCTION IN A MOUSE MODEL OF CHARCOT-MARIE-TOOTH TYPE 1A BY DIFFERENTIATED HUMAN TONSIL-DERIVED MICS.
Sung-Chul Jung
(1) Jung SC, (1) Park S, (1) Choi Y, (2) Kwak G, (2) Hong YB, (1) Jung N, (3) Chung KW, (2) Choi BO (1) Ewha Womans University, Seoul, Republic of Korea; (2) Sungkyunkwan University, Seoul, Korea; (3) Kongju National University, Gongju, Republic of Korea

P4_19  31146  IN VITRO MORPHOLOGICAL STUDY OF BORTEZOMIB-INDUCED PERIPHERAL NEUROTOXICITY
Alessio Malacrida
(1) Rodriguez-Menendez V, (1) Ballarini E, (1,2) Malacrida A, (1) Ceresa C, (1,2) Semperboni S, (1) Meregalli C, (1), Cavaletti G, (1) Nicolini G. (1) School of Medicine and Surgery, Experimental Neurology Unit, University of Milano-Bicocca, Monza, Italy; (2) PhD program in Neuroscience, University of Milano-Bicocca, Monza, Italy.

P4_20  32749  TRPV1 ACTIVATION BY CAPSAICIN ENHANCES THE REGENERATION OF SENSORY NEURONS
Trevor Poitras
Poitras T, Chandrasekhar A, McCoy L, Webber C, Zochodne DW. Institute of Neuroscience, Mental Health and Addiction, Division of Neurology, Department of Medicine, University of Alberta, Edmonton, Alberta, Canada T6G 2R3.

P4_21  35005  FASCICULAR NERVE STIMULATION AND RECORDING USING A NOVEL DOUBLE-AISLE REGENERATIVE ELECTRODE
Jaume del Valle
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P4_22  INTRAVENOUS IMMUNOGLOBULIN THERAPY FOR CHRONIC INFLAMMATORY DEMYELINATING POLYNEUROPATHY IN PEDIATRIC PATIENTS: AN OBSERVATIONAL STUDY

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P4_23  MALIGNANCY IN GUILLAIN-BARRE SYNDROME: A TWELVE-YEAR SINGLE-CENTER STUDY

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P4_24  THE FRANCOPHONE ANTI-MAG COHORT: LESSONS LEARNED FROM THE ANALYSIS OF 202 PATIENTS

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Members of the Francophone anti-MAG cohort Group are listed in “Appendix”.

The Francophone anti-MAG cohort Group: Other members of the Francophone anti-MAG cohort Group who provided cases for the study are, in alphabetical order: David Adams, Hôpital Bicêtre; Sharam Attarian, CHU de Marseille; Anne-Laure Bedat-Millet, CHU de Rouen; Françoise Bouhour, CHU de Lyon; Célia Boutte, CHU de Grenoble; Guy Chauplannaz, CHU de Lyon; Raquel Costa, Hôpital Pitié-Salpêtrière; Perrine Devic, CHU de Lyon; Chantal Grand, CHU de Lyon; Guillemette Jousserand, CHU de Lyon; Timothée Lenglet, Hôpital Pitié-Salpêtrière; Pierre Lozeron, Hôpital Bicêtre; Thierry Maisonobe, Hôpital Pitié-Salpêtrière; Cristina Muntean, Hôpital Pitié-Salpêtrière; Yann Pereon, CHU de Nantes; Jean Pouget, CHU de Marseille.
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Yong Jian Cheng
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CILOSTAZOL MODULATES SEQUENTIAL EXPRESSION OF MATRIX METALLOPROTEINASES AND THEIR INTRINSIC INHIBITOR WITHIN PERIPHERAL NERVOUS TISSUE DURING EXPERIMENTAL AUTOIMMUNE NEURITIS
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LIFESTYLE AND DIETARY HABITS AS PREDISPOSING FACTORS FOR THE ONSET AND PROGRESSION OF CIDP: A CASE-CONTROL STUDY FROM THE ITALIAN CIDP DATABASE
Pietro Emiliano Doneddu
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MRI BIOMARKERS TO ASSESS PROXIMAL NERVE INJURY IN CHRONIC INFLAMMATORY DEMYELINATING POLYNEUROPATHY (CIDP)
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THROMBOEMBOLIC EVENTS IN INFLAMMATORY NEUROPATHY PATIENTS ON IVIG
Aisling Carr

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CAN NK CELLS HELP DISCRIMINATE IVIG TREATMENT RESPONSE IN PATIENTS WITH CIDP?
Anne K. Mausberg
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THE FOREARM/UPPER ARM RATIOS OF CROSS-SECTIONAL AREA ADD THE DIAGNOSTIC VALUE IN AMYOTROPHIC LATERAL SCLEROSIS

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HEREDITARY OR INFLAMMATORY CHILDHOOD NEUROPATHY – ELECTROPHYSIOLOGICAL ABNORMALITIES HELPFUL IN THE DIFFERENTIATION

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ULTRA HIGH FREQUENCY ULTRASOUND (UHFUS) NERVE IMAGING IN CIDP PATIENTS

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DIFFERENT AXONAL DYSFUNCTION PATTERN IN SEROPOSITIVE AND SERONEGATIVE SJÖGREN’S SYNDROME

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SUBCUTANEOUS IMMUNOGLOBULIN IN CIDP: A TWO-YEAR EXPERIENCE

Antonietta Topa

Ca(2+)-DEPENDENT ANTI-GANGLIOSIDE ANTIBODY IN SERONEGATIVE GUILLAIN-BARRÉ SYNDROME.

Ayumi Uchibori
Uchibori A, Gyohda A, Chiba A
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35076  Desiree De Simoni
De Simoni D1,2, Hagen H1, Löschler W1, Lindeck-Pozza E4, Breu M2,5, Lang J2, Varga T1, Rath J3, Zimprich F2, Höftberger R2, Wanschitz J1. 1Department of Neurology, Medical University of Innsbruck, Austria; 2Institute of Neurology, Medical University of Vienna, Austria; 3Department of Neurology, Medical University of Vienna, Austria; 4Department of Neurology SMZ Süd, Vienna, Austria, 5Department of Pediatric and Adolescent Medicine, Medical University of Vienna, Austria

P4_38  ACUTE-ONSET OF CIDP WITH IGG4 ANTI-NF155 ANTIBODIES RESISTANT TO CONVENTIONAL THERAPIES AND RESPONSIVE TO RITUXIMAB
35152  Chiara Demichelis
(1) Demichelis C, (1) Garnero M, (2) Franciotta D, (2) Cortese A, (2) Callegari I, (1) Mancardi GL, (1) Schenone A, (3) Leonardi A, (1) Benedetti L (1) Department of Neuroscience, Rehabilitation, Ophthalmology, Genetics, Maternal and Child Health, University of Genova and IRCCS AOU San Martino-IST, Genova, Italy (2) Laboratory of Neuroimmunology, IRCCS, “C. Mondino” National Neurological Institute, University of Pavia, Pavia, Italy (3) U.O. Neurology, ASL1 Imperiese, Imperia, Italy

P4_39  TWO CASES OF IVIG RESPONSIVE INFANTILE ONSET AXONAL POLYNEUROPATHY
35189  Ozgur Duman
(1) Duman O, (1) Saracoglu M, (1) Haspolat S, (1) Bozkurt O.

P4_40  GLOBAL TRANSCRIPTOME ANALYSES REVEAL A KEY ROLE FOR MORC2 IN THE AXONAL METABOLISM
35146  Paula Sancho
Sancho P1,2, Lupo V1,2,3, García-Garcia F4, Ramírez-Jiménez L3, Sevilla T5,6, Chраст R7, Espinós C1,2,3. 1Unit of Genetics and Genomics of Neuromuscular and Neurodegenerative Disorders, Centro de Investigación Príncipe Felipe (CIPF), Valencia, Spain; 2INCLIVA & IIS La Fe Rare Diseases Joint Units, Valencia, Spain; 3Department of Genomics and Translational Genetics, Centro de Investigación Príncipe Felipe (CIPF), Valencia, Spain.4Computational Genomics Department, Centro de Investigación Príncipe Felipe (CIPF), Valencia, Spain. 5Department of Neurology, Hospital Universitari i Politècnic La Fe, Valencia, Spain.6CIBER of Rare Diseases (CIBERER), Spain. 7Department of Neuroscience, Karolinska Institutet, Stockholm, Sweden.

P4_41  CMT1A PATIENTS GET OLD WORSE THAN HEALTHY PEOPLE
34845  Stefano Tozza

P4_42  PXT3003, A FIXED COMBINATION OF BACLOFEN, NALTREXONE AND SORBITOL, FOR THE TREATMENT OF CHARCOT-MARIE-TOOTH DISEASE TYPE 1A (CMT1A): STATUS OF A MULTICENTER, DOUBLE-BLIND, PLACEBO-CONTROLLED, PIVOTAL PHASE III STUDY (PLEO-CMT)
34857  Peter Young
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P4_43  WILD-TYPE TRANSTHYRETIN AMYLOIDOSIS (ATTR-WT) AND PERIPHERAL NEUROPATHY
34892  Merrill D. Benson
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P4_44  PILOT STUDY OF CLINICAL SEVERITY SCORE FOR HEREDITARY NEUROPATHY WITH LIABILITY TO PRESSURE PALSIES
35043  Vera Fridman
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P4_45  IDENTIFICATION OF COMMON MOLECULAR PLAYERS INVOLVED IN THE PROGNOSIS AND PATHOGENESIS OF AXONAL CMT SUBTYPES
35176  Manisha Juneja
(1) Juneja M, (2) Azmi A, (3) Emmerson I, (3) Bansagi B, (4) Saveri P, (4) Pisciotta C, (2) Maudsley S, (3) Horvath R, (4) Pareyson D, (1) Timmerman V. (1) Peripheral Neuropathy Research Group, University of Antwerp, Belgium; (2) Translational Neurobiology Group, VIB and University of Antwerp, Belgium; (3) Institute of Genetic Medicine, Newcastle University, United Kingdom. (4) Department of Clinical Neurosciences, C. Besta Neurological Institute, Milan, Italy.

P4_46  NATURAL HISTORY STUDY IN HEREDITARY SENSORY NEUROPATHY TYPE 1 (HSN1): IMPROVING THE RESPONSIVENESS OF OUTCOME MEASURES
34741  Umaiyal Kugathasan
Kugathasan U1, Evans M1,2 , Laurá M1, Sinclair C1,2, Horemann T3, Suriyanarayanan S3, Phadke R4, Miller K4, Lauria G5, Lombardi R5, Polke J6, Bennett D7 , Houlden H1, Blake J8 and Reilly MM1 . 1MRC Centre for Neuromuscular Diseases, London, UK; 2Academic Neuroradiological Unit, UCL Institute of Neurology, UK; 3Institute for Clinical Chemistry, University Hospital Zurich, Switzerland; 4Division of Neuropathology, National Hospital for Neurology and Neurosurgery, London, UK; 5IRCCS Foundation “Carlo Besta” Neurological Institute, Milan, Italy; 6Neurogenetics Unit, National Hospital for Neurology and Neurosurgery, London, UK; 7Nuffield Department of Clinical Neurosciences, Oxford, UK ; 8Department of Clinical Neurophysiology, Norfolk and Norwich University Hospital, UK

P4_47  ABSENCE OF NEUROFILAMENT LIGHT CHAIN IN PATIENT-SPECIFIC MOTOR NEURONS IN AUTOSOMAL RECESSIVE CHARCOT-MARIE-TOOTH DISEASE
34763  Markus Sainio
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P4_48  MODELING THE PATHOGENESIS OF CHARCOT-MARIE-TOOTH DISEASE TYPE 1A USING PATIENT-SPECIFIC IPSCS
Lei Shi
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6 These authors made equal contributions to this work.

P4_49  MITOCHONDRIAL DYSFUNCTION AND ABNORMAL CALCIUM HANDLING IN CELLULAR MODELS OF HEREDITARY SENSORY NEUROPATHY TYPE 1
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P4_50  A COMBINATION OF THREE REPURPOSED DRUGS (PXT3003) SYNERGISTICALLY INCREASES MYELINATION IN CO-CULTURES OF SCHWANN CELLS AND NEURONS DERIVED FROM CMT1A RATS.
Nathalie Cholet
Cholet N, Laffaire J, Guedj M, Murphy PN, Chumakov I, Nabirotchkin S, Hajj R, Cohen D.

P4_51  RATE OF PROGRESSION IN PEDIATRIC CHARCOT-MARIE-TOOTH DISEASE
Kayla Cornett
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P4_52 CHARCOT-MARIE-TOOTH DISEASE TYPE 1A: INFLUENCE OF BODY MASS INDEX ON NERVE CONDUCTION STUDIES AND ON THE CHARCOT MARIE TOOTH EXAM SCORE
Nivedita Jerath *Michael E. Shy
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P4_53 DIAGNOSTIC YIELD OF A 6,000 DISEASE-ASSOCIATED GENE FOCUSED EXOME IN CMT AND COMPLEX NEUROPATHY CASES: AN EXPLORATORY STUDY
Andrea Cortese
Cortese A (1), Bugiardini E (1), Hughes D (2), Pittmann A (2), Laura’ M (1), Rossor AM (1), Houlden H (2), Reilly MM (1) (1) MRC Centre for Neuromuscular Diseases, National Hospital for Neurology and Neurosurgery, UCL Institute of Neurology, Queen Square, London, UK (2) Department of Molecular Neuroscience, UCL Institute of Neurology, London, UK; National Hospital for Neurology and Neurosurgery, Queen Square, London, UK.

P4_54 BIOMARKERS OF SMALL FIBER NEUROPATHY IN AMYLOID NEUROPATHY
Sung-Tsang Hsieh
(1) Hsieh S-T, (2) Chao, C-C.

P4_55 AEROBIC EXERCISE FOR SUBJECTS AFFECTED BY CHARCOT MARIE TOOTH (CMT) NEUROPATHY: RESULTS OF A MULTICENTER, PROSPECTIVE, RANDOMIZED, SINGLE BLIND, CONTROLLED CLINICAL TRIAL
Angelo Schenone
Mori L1, Francini L1, Prada V1, Signori A2, Pareyson D3, Padua L4.5, Fabrizi G5, Schenone A1. 1Department of Neurosciences, Rehabilitation, Ophthamology, Genetics, Maternal and Child Health, University of Genoa, Italy; 2Department of Health Science, Biostatistics section, University of Genoa, Italy; 3IRCCS Foundation, Carlo Besta Neurologic Institute, Milan, Italy; 4Don Carlo Gnocchi Foundation Onlus – Centro Santa Maria della Pace, Rome, Italy; 5 Catholic University of the Sacred Heart, Rome, Italy; 6GB Rossi Policlinic, Department of Neurologic and Visual Science, University of Verona, Italy

P4_56 DYSREGULATED LIPID METABOLISM IN THE ABSENCE OF PERIPHERAL MYELIN PROTEIN 22 (PMP22)
Lucia Notterpek
(1) Zhou Y, (2) Tavori H, (1) Lee S, (1) Al Salih M, (2) Fazio S, (1) Notterpek L. McKnight Brain Institute, University of Florida, Gainesville, Florida, USA; (2) Knight Cardiovascular Institute, Oregon Health and Science University, Portland, Oregon, USA.

P4_57 INVESTIGATION OF SELECTIVE HISTONE DEACETYLASE 6 INHIBITORS AS A TREATMENT FOR CHARCOT-MARIE-TOOTH DISEASE TYPE 1A USING A CO-CULTURE SYSTEM.
Robert Prior
Prior R, Benoy V, Vanden Berghe P, and Van Den Bosch L.

P4_58 THE COMBINATIONAL DRUG PXT3003 IMPROVES NEUROMUSCULAR FUNCTION IN AN ANIMAL MODEL OF CHARCOT-MARIE-TOOTH DISEASE TYPE 1A DISEASE
Thomas Prukop
Prukop T1,2,4, Wernick S1, Adam J1, Zschüntzsch J5, Schmidt J5, Brureau A3, Fouquier J3, Guedj M3, Cholet N3, Nave KA1, Nabirochtchin S3, Hajj R3, Cohen D3 and Sereda MW1,4. 1Max-Planck-Institute of Experimental Medicine, Department of Neurogenetics, Göttingen, Germany; 2University Medical Center Göttingen, Institute of Clinical Pharmacology, Göttingen, Germany; 3Pharnext, Issy-Les-Moulineaux, France; 4University Medical Center Göttingen, Department of Clinical Neurophysiology, Göttingen, Germany.5University Medical Center Göttingen, Department of Neurology, Göttingen, Germany.
P4_59  A GENE THERAPY APPROACH FOR TREATING CMT4C NEUROPATHY  
35211  Natasa Schiza  
Schiza N1, Markoullis K1, Richter J2, Tryfonos C2, Kagiava A1, Sargiannidou I1, Christodoulou C2, Kleopa KA1,3  
1Neuroscience Laboratory, 2Department of Molecular Virology, and 3Neurology Clinics, Cyprus Institute of  
Neurology and Genetics and Cyprus School of Molecular Medicine, Nicosia, Cyprus.

P4_60  A COMPLEX HOMOZYGOUS MUTATION IN ABHD12 RESPONSIBLE FOR PHARC SYNDROME  
DISCOVERED BY NGS  
34239  Anne-Sophie Lia  
(1) Lerat J, (2) Cintas P, (1,3) Dzugan H, (1,3) Magdelaine C, (1,3) Sturtz F, (1,3) Lia AS. (1) Service de Biochimie  
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fonctionnelles - CHU de Toulouse, Toulouse, France ; (3) EA6309 - Université de Limoges, Limoges, France.

P4_61  GAIT PATTERNS OF CHILDREN WITH CMT TO INFORM THE DESIGN OF 3D PRINTED  
ORTHOSES  
34920  Elizabeth Wojciechowski  
(1,2) Wojciechowski E, (1,2) Little D, (1,2) Menezes MP, (2) Hogan S, (1,2) Burns J. (1) University of Sydney, New  
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P4_62  DO ORTHOSES IMPROVE GAIT IN CHILDREN AND ADOLESCENTS WITH CHARCOT-MARIE-  
TOOTH?  
31142  Sylvia Ounpuu  
1, 2) Ounpuu S, (1) Pogemiller K, (1, 2, 3) Pierz K, and (2, 4) Acsadi G. (1) Center for Motion Analysis, Connecticut  
Children’s Medical Center, Farmington, CT, USA, (2) School of Medicine, University of Connecticut, Farmington,  
CT, USA, (3) Division of Orthopaedics, Connecticut Children’s Medical Center, Farmington, CT, USA, (4) Division  
of Neurology, Connecticut Children’s Medical Center, Farmington, CT, USA.

P4_63  A PATIENT WITH ATAXIA WITH OCULOMOTOR APRAXIA TYPE 1 AND SLOW CONDUCTION  
VELOCITIES  
35119  Pedro José Tomaselli  
Tomaselli PJ (1), Lourenço CM (1), Cintra VP (2), Barreira AA (1), Marques W Jr (1, 2) (1) Division of  
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Preto, University of São Paulo, Ribeirão Preto, Brazil. (2) Neurogenetics, Department of Neurosciences and  
Behaviour Sciences, University of São Paulo, Ribeirão Preto, Brazil.

P4_64  EMG PATTERNS IN FAMILIAL AMYLOIDOTIC POLINEUROPATHY (FAP) DUE TO TTR MUTATIONS  
35287  Wilson Marques Júnior  
Lavigne-Moreira C1, Oliveira M F1, Marques V D1, Onofre P T B N1, Dos Santos A C J1, Nascimento O J M2,  
Barreira A A1, Marques W Jr1. 1Division of Neuromuscular Diseases and Neurogenetics, Department of  
Neurosciences and Behaviour Sciences, Clinical Hospital of Ribeirão Preto, University of São Paulo, Ribeirão  
Preto, Brazil; 2Department of Neurology, Fluminense Federal University, Rio de Janeiro, Brazil.
TRANSTHYRETIN-RELATED FAMILIAL AMYLOID POLYNEUROPATHY IN POLAND- GENOTYPIC AND CLINICAL PRESENTATION

Marta Lipowska
Lipowska M (1), Drac H (1), Rowczenio D (2), Gilbertson J (2), Philip N Hawkins PN (2), Ptasińska-Perkowska A (3), Lasek-Ball A (4), Brydak-Godowska J (5), Chandoga J (6), Kostera-Pruszczyk A (1). (1) Department of Neurology, Medical University of Warsaw, Poland, (2) National Amyloidosis Centre, University College London, Rowland Hill Street, London, UK, (3) Transplantation Institute, Medical University of Warsaw, Poland, (4) Department of Neurology, Medical University of Silesia, Katowice, Poland; (5) Department of Ophthalmology, Medical University of Warsaw, Poland; (6) Centrum Lekarskiej Genetiki, Bratislava, Slovakia

A NEW AUTOSOMAL RECESSIVE AMYELINATING CAUSE OF CHARCOT MARIE TOOTH DISEASE WITH CNS FEATURES AND RESPIRATORY DISTRESS

Carly Siskind
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ATYPICAL CASE OF ACUTE MOTOR SENSORY AXONAL NEUROPATHY (AMSAN) AT HIV-POSITIVE YOUNG WOMAN

Tayla Romão

CONUCTION BLOCK OF LEWIS-SUMNER SYNDROME AND MULTIPLE MOTOR NEURON DISEASE IN CHINA

Li Yi
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CHALLENGES IN NEUROLOGICAL PRACTICE IN LAO P.D.R

Keovilayhong Southanalinh
Southanalinh K, University of Health Sciences, Vientiane capital, Lao P.D.R.