

Program of the Satellite Meeting - Thursday May 12, 12:30 – 16:00

Short isoforms of dystrophin proteins and associated complexes: update and future directions

- 1. Organizers: Jamel Chelly and Alvaro Rendon**
12:40 Welcome and introductory remarks: Alvaro Rendon
- 2. 12:45 Truncated products of the dystrophin gene in mammals and flies.** Nudel U., Neuman S., Kovalio M., Sarig R., Machluf V., Rozenvald Y., Yaffe D. Department of Molecular Cell Biology, Weizmann Institute of Science, Rehovot, 76100, Israel
- 3. 13:00 Characterization of a novel dystrophin-associated protein complex present in the nucleus** Fuentes-Mera L., Rodríguez-Muñoz R., González-Ramírez R., Mornet, D and Cisneros B. Genetics and Molecular Biology Department, CINVESTAV-IPN. Mexico City. Departement de Physiologie des interactions (EA70) Institut de Biologie, Montpellier, France.
- 4. 13:15 Platelet adhesion: Association of short-dystrophin glycoprotein complex with actin cytoskeleton** Doris Cerecedo¹, Dalila Martínez-Rojas², Oscar Chávez², Dominique Mornet³, Álvaro Rendon⁴, Ricardo Mondragón⁵.
¹Dept. Morfología. Escuela Nacional de Ciencias Biológicas, IPN; ²Dept. Fisiología, Biofísica y Neurociencias, CINVESTAV-IPN; ³Institute de Biologie, Boulevard Henry IV, EA 701. Muscles et Pathologies Chroniques. 34060. Montpellier, France; ⁴Lab. Physiopathologie Cell et Mol, de la Retine INSERM-U592, Hopital Saint-Antoine F-75571 Paris, France; ⁵Dept. Bioquímica, CINVESTAV-IPN, D.F., México.
- 5. 13:30 Dystrobrevin forms a ternary complex with kinesin heavy chain and dystrophin through coiled-coil motifs.** Marina Ceccarini, Paola Torreri, Martina Bernassola, Gianfranco Macchia, Pompeo Macioce and Tamara C. Petrucci. Department of Cel Biology and Neurosciences, Istituto Superiore di Sanita, Viale Regina Elena 299, 00161 Rome, Italy.
- 6. 13:45 The Sarcoglycan-Sarcospan Complex in Smooth Muscle and Endothelial Cells of Human Umbilical Cord Vessels.** Rosas-Vargas H.^a, Ramirez-Sanchez I.^{a,b}, Ceballos-Reyes G.^b, Salamanca F.^a, Coral-Vazquez R.^a.
^a UIM Genetica Humana, Hospital de Pediatria, Centro Medico Nacional Siglo XXI; ^b Seccion de Posgrado, Escuela Superior de Medicina, Instituto Politécnico Nacional, Mexico, D.F., Mexico
- 7. 14:00 Functional expression of AQP4 in skeletal muscle sarcolemma requires an integral dystrophin associated protein complex.** A. Frigeri[†], L. Cogotzi[†], L.M.A. Camassa[†], M.G. Mola[†], A. Brancaccio[†], G.P. Nicchia[†], and M. Svelto[†] Dipartimento di Fisiologia Generale ed Ambientale, Università di Bari, Via Amendola 165/A, 70126, BARI, [†]Istituto di Biochimica e Biochimica Clinica, Università Cattolica del Sacro Cuore, Largo F. Vito no 1, 00168 Rome, Italy.
- 8. 14:15 Laminin-1-Stimulated Motility of Muller Glial Cells: role of the dystrophin-dystroglycan complex.** Jancsik,¹ V., Mehes,¹ E., Hegedus,² B., Szabo,² B., Viscek,² T., Satz,³ J., Campbell,³ K., Czirok,² A. ¹Department of Anatomy and Histology, Faculty of Veterinary Science, Szent Istvan University, Budapest, Hungary ²Department of Biological Physics, Faculty of Sciences, Eotvos University, Budapest, Hungary ³Howard Hughes Medical Institute, University of Iowa, Roy J. and Lucille A. Carver College of Medicine, Iowa City, Iowa
- 9. 14:30 Dp71~DAPC and a1- Integrin protein expression is altered in rat hepatocellular carcinoma progression.** Hugo Esquivel-Solís¹, Julio Isael Pérez-Carreón², Samia Fattel-Fazenda², Francisco Martínez-Pérez¹, Saúl Villa-Treviño² and Dalila Martínez-Rojas¹. Departamento de Fisiología, Biofísica y Neurociencias¹ y Departamento de Biología Celular ². CINVESTAV-IPN, México D.F., México.

10. **15:00 The absence of Dp71 in spermatozoa from mdx^{3cv} mice results in alterations of flagellar morphology and of the specific distribution of signaling proteins.** Enrique O. Hernández-González¹, Dominique Mornet², Alvaro Rendon³, Dalila Martínez-Rojas⁴.
11. **15:15 Visual phenotypic impact of the absence of the dystrophin protein Dp71 in mice.** P. Fort¹, R. Tadayoni², D. Yaffe³, U. Nudel³, T. Pannicke⁴, A. Reichenbach⁴, J.-A. Sahel¹, M. Paques⁵ and A. Rendon¹. INSERM U592, Laboratoire de Physiopathologie Cellulaire et Moléculaire de la Rétine ; Université Pierre et Marie Curie, Paris ; Institut de la Vision, Hôpital Saint-Antoine, Bâtiment Kourilsky, 184 rue du Fbg St-Antoine, 75571 Paris Cedex 12, France¹; Department of Ophthalmology, Hopital Lariboisiere, Assistance Publique-Hopitaux de Paris, Université, Paris, France² ; Dept of Molecular Cell Biology, Weizmann Institute, Rehovot, Israel³; Paul Fleschsig Institute for Brain Research, University of Leipzig, Leipzig, Germany⁴; Department of Ophthalmology of the Fondation Ophtalmologique Rothschild, Paris, France⁵.
12. **15:30 Role of dystrophin Dp71 in brain function and genesis of mental retardation in Duchenne muscular dystrophy (DMD).** C. Vaillend¹, Y. Rosenthal², P. Fort³, A. Candelario⁴, D. Mornet⁵, M. Guegan¹, D. Martinez⁴, A. Rendon³, U. Nudel², D. Yaffe², S. Laroche¹. ¹ NAMC, CNRS UMR 8620, Orsay, France. ²Weizmann Institute of Science, Molecular Cell Biology, Rehovot, Israel. ³ INSERM U 592, Paris. ⁴ CINVESTAV, Physiology, Biophysics and Neurosciences, Mexico City, Mexico. ⁵ Institut de Biologie, EA 701, Montpellier, France.
13. **15:45 Concluding Remarks:** *Jamel Chelly*