

27th AcadeMYO SUMMER SCHOOL
29th JUNE - 3rd JULY 2026
Institute of Myology, Paris, France

Director: Pr Bertrand FONTAINE

Programme committee:

Dr. J. Andoni URTIZBEREA (Institute of Myology, Paris, France)

Marion MASINGUE (Neuro- Myology Service, Pitié-Salpêtrière Hospital, Paris)

Dr. Gorka FERNANDEZ-EULATE (Neuro- Myology Service, Pitié-Salpêtrière Hospital, Paris)

Harmen REYNGOUDT (CEEN, Institute of Myology, Groupe Hospitalier Pitié-Salpêtrière, Paris)

Dr Andreea SEFERIAN (I-Motion, Institute of Myology, Trousseau Hospital, Paris)

Dr Stéphane VASSILOPOULOS (CDR, Institute of Myology, Pitié-Salpêtrière Hospital, Paris)

Jorge BEVILACQUA (Neurology Department, University Hospital of Chile, Santiago)

Target audience (25 participants max.)

- Healthcare providers (HCP's)
- Physicians & allied professionals
- Researchers/Scientists
- Industry employees

Aim:

To update participants on the current trends and innovations in myology but also equip them with the practical tools necessary for effective diagnosis and treatment of neuromuscular disorders, ultimately enhancing patient care and fostering ongoing professional development.

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MONDAY 29th JUNE (DAY 1)

08.45- 09.00	<p>Introduction and welcome (<i>B. Fontaine, J. Andoni Urtizberea, Marion Masingue, Gorka Fernandez, Jorge Bevilacqua</i>)</p> <p>Objective: <i>Introduction of participants and organizers; layout of the program and learning objectives</i></p>
09.00- 9.45	<p>Introduction to myology, semiology, diagnostic tools and algorithms (<i>Marion Masingue</i>)</p> <p>Objective: <i>To provide participants with a foundational understanding of clinical myology, focusing on the diagnosis, management, and treatment of muscle-related disorders, and the clinical relevance of muscle pathology in neuromuscular diseases. (35'talk, 10' discussion)</i></p>
9.45-10.30	<p>Update on muscular dystrophies including LGMD (<i>Edoardo Malfatti</i>)</p> <p>Objective: <i>To provide participants with a comprehensive understanding of the current classifications, genetics, and therapeutic options for muscular dystrophies, with a focus on LGMD. (35'talk, 10' discussion)</i></p>
10.30-10.45	<i>Coffee Break</i>
10.45- 12.45	<p>Case studies (session 1)</p> <p>(<i>J. Andoni Urtizberea, Gorka Fernández, Jorge Bevilacqua, Marion Masingue</i>)</p>
12.45- 14.00	<i>Lunch Break (room 1)</i>
14.00- 16.15	Hands-on workshops and on-site visits (Day 1)
16.15- 16.30	<i>Coffee Break</i>
16.30- 17.15	<p>Charcot-Marie-Tooth disease and other hereditary neuropathies (<i>Mary Reilly</i>)</p> <p>Objective: <i>To update participants on the latest developments in pathophysiology, diagnosis, and treatment strategies for Charcot Marie Tooth disease and other hereditary neuropathies. (35'talk, 10' discussion)</i></p>
	End of day 1- Q&A with drinks and small bites; meet the speakers

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TUESDAY 30th JUNE (DAY 2)

09.00- 9.45	<p>Muscle Channelopathies (<i>Nur Villar Quiles</i>)</p> <p>Objective: <i>To understand the genetic and electrophysical mechanisms underlying muscle channelopathies and their clinical diagnosis and management. (35'talk, 10' discussion)</i></p>
9.45-10.30	<p>Update on metabolic myopathies (<i>Gorka Fernandez</i>)</p> <p>Objective: <i>To discuss recent advances in the identification, diagnosis and management of metabolic myopathies, including enzyme replacement therapies. (35'talk, 10' discussion)</i></p>
10.30-10.45	<i>Coffee Break</i>
10.45- 12.45	<p>Case studies (session 2)</p> <p>(<i>J. Andoni Urtizberea, Gorka Fernández, Jorge Bevilacqua, Marion Masingue</i>)</p>
12.45- 14.00	<i>Lunch Break (room 1)</i>
14.00- 16.15	Hands-on workshops and on-site visits (Day 2)
16.15- 16.30	<i>Coffee Break</i>
16.30- 17.15	<p>Myotonic dystrophies and therapies (<i>Denis Furling & Guillaume Bassez</i>)</p> <p>Objective: <i>To provide an integrated clinical and research perspective on myotonic dystrophies, highlighting pathophysiology, multisystem involvement, and emerging therapeutic strategies. (35'talk, 10' discussion)</i></p>
	End of day 2- Q&A with drinks; meet the speakers

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WEDNESDAY 1st JULY (DAY 3)

09.00- 9.45	Myasthenia Gravis and novel therapies (<i>Anthony Béhin</i>) Objective: <i>To provide an overview of Myasthenia Gravis and present novel treatment options that are emerging in clinical practice. (35'talk, 10' discussion)</i>
9.45-10.30	Motor neuropathies including SMA & CMT-mimickers (<i>Tanya Stojkovic</i>) Objective: <i>To recognize and differentiate motor neuropathies, including SMA and CMT mimickers, to guide accurate diagnosis and management. (35'talk, 10' discussion)</i>
10.30-10.45	<i>Coffee Break</i>
10.45- 12.45	Case studies (session 3) <i>(J. Andoni Urtizbera, , Marion Masingue, Jorge Bevilacqua)</i>
12.45- 14.00	<i>Lunch Break (room 1)</i>
14.00- 16.15	N/A (spare time)
16.15- 16.30	N/A (spare time)
16.30- 17.15	N/A (spare time)
	End of day 3

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THURSDAY 2nd JULY (DAY 4)

09.00- 9.45	<p>Therapeutics options SMA (<i>Andreea Seferian</i>)</p> <p>Objective: <i>To explore the latest therapeutic advancements in Spinal Muscular Atrophy, including gene therapies and disease-modifying treatments. (35'talk, 10' discussion)</i></p>
9.45-10.30	<p>Advanced MRI-based biomarkers and outcomes in muscle disease (<i>Constantin Slioussarenko and Benjamin Marty</i>)</p> <p>Objective: <i>To understand how advanced MRI biomarkers can be used to assess disease activity, monitor progression, and evaluate therapeutic outcomes in muscle disorders. (35'talk, 10' discussion)</i></p>
10.30-10.45	<i>Coffee Break</i>
10.45- 12.45	<p>Case studies (session 4) (<i>J. Andoni Urtizberera, Jorge Bevilacqua, Teresinha Evangelista, Beatrice Labella, Marion Masingue</i>)</p>
12.45- 14.00	<i>Lunch Break (Room 1)</i>
14.00- 16.15	Hands-on workshops and on-site visits (Day 4)
16.15- 16.30	<i>Coffee Break</i>
16.30- 17.15	<p>Distal and Myofibrillar Myopathies (<i>Giorgio Tasca</i>)</p> <p>Objective: <i>To recognize the clinical, genetic and pathological features of distal and myofibrillar myopathies to support accurate diagnosis and management. (35'talk, 10' discussion)</i></p>
19.00-22.00	Networking Dinner

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FRIDAY 3rd JULY (DAY 5)

09.00- 9.45	<p>Congenital myopathies (<i>Ana Ferreiro</i>)</p> <p>Objective: <i>To educate participants on the genetic, structural and clinical spectrum, of congenital myopathies to enable accurate diagnosis and multidisciplinary care. (35'talk, 10' discussion)</i></p>
9.45-10.30	<p>Innovative movement analysis (<i>Pr Jean Bergounioux</i>)</p> <p>Objective: <i>To introduce innovative movement analysis techniques and their clinical applications in neuromuscular disorders. (35'talk, 10' discussion)</i></p>
10.30-10.45	<i>Coffee Break</i>
10.45- 12.45	<p>Case studies (session 5)</p> <p><i>(J. Andoni Urtizbera, Gorka Fernández, Marion Masingue, Jorge Bevilacqua, Teresinha Evangelista)</i></p>
12.45- 14.00	<i>Lunch Break (room 1)</i>
14.00- 16.15	Hands-on workshops and on-site visits (Day 5)
16.15- 16.30	<i>Coffee Break (+preparation participant presentations)</i>
16.30- 17.30	<p>Quizz, Evaluation, Participant presentations (<i>chaired by Andoni Urtizbera</i>)</p> <p>We ask groups of 5 participants to prepare a talk</p> <ul style="list-style-type: none"> • Who they are and what they expected from the summer school • The things they learnt • How this will influence their daily work • What we should keep in future summer schools • What we should drop/improve • What they were missing <p>Feedback and general discussion. Farewell and departure.</p>

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Programme of hands-on workshops and onsite visits

- 1** Muscle Histology -Morphological Unit (Teresinha Evangelista with Jorge Bevilacqua)
- 2** Myogenetics- Bioinformatics (France Leturcq, Corinne Métay)
- 3** Electrophysiology (Sarah Leonard-Louis, Tanya Stojkovic)
- 4** Muscle Electron Microscopy (Stéphane Vassilopoulos)
- 5** Historical tour of the Salpêtrière Hospital (J. Andoni Urtizbera)
- 6** Neuromuscular Physiology and Evaluation Laboratory (Jean Yves Hogrel)
- 7** Laboratoire d'imagerie et la spectroscopie par résonance magnétique nucléaire (RMN) (Harmen Reingoudt)
- 8** I-Motion Clinical Trials Unit– (Andrea Seferian)
- 9** Muscle ultrasound (Amal Ouissane Omar)

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	Monday June 29th	Tuesday June 30th	Wed. July 1st	Thurs. July 2nd	Friday July 3rd
	<i>Hands on workshops and onsite visits (parallel)</i>	<i>Hands on workshops and onsite visits (parallel)</i>	<i>Free Time</i>	<i>Hands on workshops and onsite visits (parallel)</i>	<i>Hands on workshops and onsite visits (parallel)</i>
14.00- 16.15	<i>Neuromuscular Physiology and Evaluation Laboratory (12 participants)</i>	<i>Neuromuscular Physiology and Evaluation Laboratory (13 participants)</i>	N/A	<i>Myogenetics-Bioinformatics (12 max) Auditorium</i>	<i>Myogenetics-Bioinformatics (12 max)</i>
14.00- 16.15	<i>Muscle Histology - Morphological Unit (13 participants)</i>	<i>Muscle Histology - Morphological Unit (12 participants)</i>	N/A	<i>Muscle Electron Microscopy (4/5 participants)</i>	<i>Muscle Electron Microscopy (4/5 participants)</i>
14.00- 16.15	<i>Clinical Trials Unit (13 participants)</i>	<i>Clinical Trials Unit (13 participants)</i>	<i>Electrophysiology (13h30-15h) (4/5 participants)</i>	<i>Historical tour of the Salpêtrière Hospital</i>	<i>Muscle Ultrasound (4/5 participants)</i>
14.00- 16.15	<i>Historical tour of the Salpêtrière Hospital</i>	<i>Labo RMN (4/5 participants)</i>	N/A	<i>Labo RMN (4/5 participants)</i>	<i>Labo RMN (4/5 participants)</i>

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Objectives/expected educational outcomes of the onsite visits and hands-on ateliers:

- **Muscle Histology - Morphological Unit:**
The learner will have a deepened understanding of advanced muscle tissue architecture and its relevance to diagnosing muscle pathologies at a cellular level.
- **Myogenetics - Bioinformatics:**
Use bioinformatics to interpret genetic data related to neuromuscular disorders and apply it to personalized treatment approaches.
- **Electrophysiology:**
Master the interpretation of complex electrophysiological data for precise diagnosis of neuromuscular dysfunctions and diseases.
- **Muscle Electron Microscopy:**
Apply advanced electron microscopy techniques to investigate muscle ultrastructural abnormalities and their clinical implications.
- **Historical Tour of the Salpêtrière Hospital:**
Explore the rich historical legacy of the Salpêtrière Hospital through key landmarks, gaining insight into its transformation from a hospice to a world-renowned center for neurology and psychiatry, and its role in shaping the history of medicine.
- **Neuromuscular Physiology and Evaluation Laboratory:**
Enhance skills in using advanced diagnostic tools and techniques to evaluate complex neuromuscular disorders.
- **Laboratory of Nuclear magnetic resonance (NMR) imaging and spectroscopy:**
Apply MRI and NMR spectroscopy techniques to analyze intricate muscle pathologies and assess therapeutic responses.
- **I-Motion Clinical Trials Unit:**
Design and critically evaluate clinical trials for emerging therapies in neuromuscular diseases, with a focus on innovative methodologies and regulatory considerations.

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