



# Fibromyalgia

2024

## The 6<sup>th</sup> International Congress on **Controversies in Fibromyalgia**

7-8 March 2024 | Brussels, Belgium



**Bio events**  
Sharing Biomed Knowledge

Exhibitor  
**Pronacera**  
Showing R&D results

Join the discussion

X @BiomedSharing

#Fibro2024

## Congress Venue

### **Sheraton Brussels Airport Hotel**

Brussels International Airport, 1930, Brussels, Belgium

+32 2 710 80 00

## Congress Hours

The Registration Desk will be open during the following times:

Thursday, March 7 07:30–17:30

Friday, March 8 08:30–17:00

## Refreshments

Coffee and lunch will be served in the Galaxy Atrium located on the First Floor at the times indicated in the Congress Program.

## Participants Badge

Upon registration, you will receive your name badge. You are kindly requested to wear your name badge throughout the Congress.

## Congress Abstracts

The **Fibromyalgia2024** abstracts are published in an online supplement to the peer-reviewed journal **Clinical and Experimental Rheumatology**. Please see the Congress website for a link to the journal: [www.fibromyalgia2024.com](http://www.fibromyalgia2024.com)

## Photography And Recording Privileges

No photographs, video recordings or audio recordings may be permitted in the sessions at this Congress unless otherwise authorized by Bioevents.

## Safety And Security

Please do not leave any bags or suitcases unattended at any time, whether inside or outside session halls. The Congress Organizers cannot accept liability for personal accidents or loss of/damage to private property of participants of **Fibromyalgia2024**.

Congress Secretariat: [info@bioevents-congress.com](mailto:info@bioevents-congress.com)

Tel: US +1-857-400-0035 ; UK +44-203-051-4032

## Thursday, 7 March 2024

07:30-17:30	<b>Registration</b>
08:30-08:40	<b>Welcome and Opening Remarks</b> <i>Jacob Ablin, Israel and Piercarlo Sarzi-Puttini, Italy   Congress Chairs</i>
08:40-09:10	<b>Opening Lecture: Year in Review 2023</b> <i>Marco Di Carlo, Polytechnic University of Marche, Italy</i>
<b>Session 1: Pathogenesis and Clinical Features</b>	
09:10-09:40	<b>Fibromyalgia, Hypermobility, and the Quest for a 'Syndrome X of Pain'</b> <i>Carlos Gropen Jr., University Hospital of Brasilia, Brazil</i>
09:40-10:10	<b>Mitochondrial Pathology in Fibromyalgia</b> <i>Jacob Ablin, Tel-Aviv Sourasky Medical Center, Israel</i>
10:10-10:40	<b>Neuroimmunology of Fibromyalgia and Chronic Pain</b> <i>Franziska Denk, King's College London, UK</i>
10:40-11:10	<b>CPM deficiency in Fibromyalgia: Key findings and novel treatment directions</b> <i>Liron Rabany, Theranica, Israel</i>
11:10-11:40	<b>Coffee Break, Exhibition &amp; Poster Viewing</b>
<b>Session 2: Novel Technologies and Approaches in Fibromyalgia</b>	
11:40-12:10	<b>The Potential of AI in Fibromyalgia Research</b> <i>Thomas Hügle, University Hospital Lausanne, Switzerland</i>
12:10-12:40	<b>Non-Invasive Transcutaneous Vagus Nerve Stimulation for the Treatment of Fibromyalgia</b> <i>Andrés Molero-Chamizo, University of Huelva, Spain</i>
12:40-13:10	<b>Central Sensitization and Nociceptive Pain: How Clinically Useful Are These Concepts?</b> <i>Emanuel van den Broeke, KU Leuven, Belgium</i>
13:10-14:10	<b>Lunch Break, Exhibition &amp; Poster Viewing</b>
<b>Session 3: Pathogenetic and Treatment Modalities</b>	
14:10-14:40	<b>Advancements in Medications for Fibromyalgia</b> <i>Diego Fornasari, University of Milan, Italy</i>

14:40-15:10	<b>The Relationship Between Chronic Pain and Depression in Fibromyalgia</b> <i>Riccardo Torta, University of Turin, Italy</i>
15:10-15:40	<b>Psychotherapy in Fibromyalgia: The state of the art and new directions</b> <i>Federica Galli, Sapienza University of Rome, Italy</i>
<b>15:40-16:10</b>	<b>Coffee Break, Exhibition &amp; Poster Viewing</b>
<b>Session 4: Genetics and Environmental Factors</b>	
16:10-16:40	<b>The Impact of Environment on Fibromyalgia Symptoms</b> <i>Cristina Iannuccelli, Sapienza University of Rome, Italy</i>
16:40-17:10	<b>Concomitant Fibromyalgia in Rheumatic Diseases</b> <i>Ori Elkayam, Tel Aviv Medical Center, Israel</i>
<b>Oral Presentations of Selected Abstracts I</b>	
17:10-17:20	<b>Evaluation of Memantine in Patients with Fibromyalgia from the Multidisciplinary Center at Namur Godinne University Hospital</b> <i>Etienne Masquelier, Belgium</i>
17:20-17:30	<b>Efficacy and Safety of TNX-102 SL (Sublingual Cyclobenzaprine) for the Treatment of Fibromyalgia: Results from the Phase 3 Randomized, Double-Blind, Placebo-Controlled RESILIENT Trial</b> <i>Seth Lederman, Mary Kelley, Ben Vaughn, Jean Engels, Gregory Sullivan, USA</i>
17:30-17:40	<b>A Model of Psychological Predictors of Central Sensitivity in Fibromyalgia: Effects on Physical and Psychological Quality of Life</b> <i>Filippo Maria Nimbi, Martina Mesce, Federica Galli, Italy</i>
<b>17:40</b>	<b>End of Day One</b>



## Friday, 8 March 2024

**08:30-17:00** Registration

### Session 5: Socioeconomic and Psychological Aspects

09:00-09:30 **Why Should('nt) the Diagnosis of Fibromyalgia be Given (Only) by a Rheumatologist**  
*Merav Lidar, Sheba Medical Center, Israel*

09:30-10:00 **The Role of Stress in Fibromyalgia**  
*Valerie Aloush, Tel Aviv Sourasky Medical Center, Israel*

10:00-10:30 **Multidisciplinary Approach in Fibromyalgia Treatment**  
*Winfried Häuser, Klinikum Saarbrücken, Germany*

**10:30-11:00** Coffee Break, Exhibition & Poster Viewing

### Session 6: Future Directions and Innovations

11:00-11:30 **Emerging Technologies in Fibromyalgia Diagnosis and Treatment**  
*Jacob Ablin, Tel-Aviv Sourasky Medical Center, Israel*

11:30-12:00 **Exploring the Interplay Between Fibromyalgia, Nutrition and the Microbiome**  
*Shai Shtrozberg, Tel Aviv Sourasky Medical Center, Israel*

12:00-12:30 **Innovative Approaches in Fibromyalgia Management**  
*Piercarlo Sarzi-Puttini, IRCCS Ospedale Galeazzi – Sant'Ambrogio, Italy*

**12:30-13:30** Lunch Break, Exhibition & Poster Viewing

### Session 7: Open Discussions and Workshops

*Moderators: Giustino Varrassi, Italy, Jacob Ablin, Israel and Piercarlo Sarzi-Puttini, Italy*

13:30-14:30 **Interactive Workshop on Fibromyalgia Management**  
*All Speakers*

14:30-15:00 **Open Discussion and Q&A with Experts**  
*All Speakers*

**15:00-15:30** Coffee Break, Exhibition & Poster Viewing

### Oral Presentations of Selected Abstracts II

15:30-15:40 **Sexual Functioning and Satisfaction in Women with Fibromyalgia Confronted with Other Chronic Pain Conditions**  
*Filippo Maria Nimbi, Martina Mesce, Alessia Renzi, Federica Galli, Italy*

15:40-15:50	<p><b>Use of tVNS as New Therapeutic Option in a Cohort of Patients with Fibromyalgia Syndrome: A Pilot Study</b>  <i>Giulio Dolcini, Martina Favretti, Daniele Franculli, Chiara Gioia, Alessandro De Vita, Cristina Iannuccelli, Fabrizio Conti, Manuela Di Franco, Italy</i></p>
15:50-16:00	<p><b>Investigating Neutrophil-Neuron Interactions That Modulate Somatosensory Processing and Chronic Widespread Pain</b>  <i>Romy Evans, Sara Caxaria, Thomas Burgoyne, Shafaq Sikandar, UK</i></p>
16:00-16:10	<p><b>Pain Characteristics of Patients with Fibromyalgia: A Comparison Between Gender and Different Emotional States</b> (📺 Pre-Recorded)  <i>Dongfeng Liang, Xiaojie Guo, Jie Zhang, Ronghuan Jiang, China</i></p>
<p><b>Special Session: Open Discussion and Workshop on Patients Organizations</b>  <i>Moderators: José António P. Da Silva, Portugal, Piercarlo Sarzi-Puttini, Italy and Jacob Ablin, Israel</i></p>	
16:10-16:20	<p><b>The Italian Experience (AISF-ODV)</b>  <i>Giuseppina Fabio, AISF ODV (Italian Association of Fibromyalgia Syndrome), Italy</i></p>
16:20-16:30	<p><b>The European Experience (ENFA)</b>  <i>Gunilla Goran, ENFA President, Sweden</i></p>
16:30-16:40	<p><b>Fibromyalgia Respects No Borders: The Brazilian Experience</b>  <i>Caren Cunha, ANFIBRO, Brazil</i></p>
16:40-16:50	<p><b>Discussion/Q&amp;A</b></p>
16:50-17:00	<p><b>Congress Closing Remarks</b>  <i>Jacob Ablin, Israel and Piercarlo Sarzi-Puttini, Italy   Congress Chairs</i></p>
<b>17:00</b>	<p><b>End of Congress</b></p>



**Fibromyalgia**  
**2024**

**Posters will be on display for the duration of the Congress.**

Posters may be mounted from 07:30 AM on Thursday, March 7 and should be removed by the end of sessions on Friday, March 8. The Congress Organizers cannot be responsible for posters not removed by this time.

**Poster presenters should stand next to their posters during the coffee and lunch breaks for informal Q&A.**

**Please hang your poster on the poster board assigned to you.**

Board #	Abstract Title
P-01	<b>Evaluation of memantine in patients with fibromyalgia from the Multidisciplinary Center at Namur Godinne University Hospital</b> <i>Etienne Masquelier, Belgium</i>
P-02	<b>Efficacy and Safety of TNX-102 SL (Sublingual Cyclobenzaprine) for the Treatment of Fibromyalgia: Results from the Phase 3 Randomized, Double-Blind, Placebo-Controlled RESILIENT Trial</b> <i>Seth Lederman, Mary Kelley, Ben Vaughn, Jean Engels, Gregory Sullivan, USA</i>
P-03	<b>A Model of Psychological Predictors of Central Sensitivity in Fibromyalgia: Effects on Physical and Psychological Quality of Life</b> <i>Filippo Maria Nimbi, Martina Mesce, Federica Galli, Italy</i>
P-04	<b>Sexual Functioning and Satisfaction in Women with Fibromyalgia confronted with other Chronic Pain Conditions</b> <i>Filippo Maria Nimbi, Martina Mesce, Alessia Renzi, Federica Galli, Italy</i>
P-05	<b>Use of tVNS as New Therapeutic Option in a Cohort of Patients with Fibromyalgia Syndrome: a Pilot Study</b> <i>Giulio Dolcini, Martina Favretti, Daniele Franculli, Chiara Gioia, Alessandro De Vita, Cristina Iannuccelli, Fabrizio Conti, Manuela Di Franco, Italy</i>
P-06	<b>Investigating Neutrophil-Neuron Interactions That Modulate Somatosensory Processing and Chronic Widespread Pain</b> <i>Romy Evans, Sara Caxaria, Thomas Burgoyne, Shafaq Sikandar, UK</i>
P-08	<b>Pain and FM-like symptoms among Portuguese and Cape Verdean undergraduate students: are differences partly explained by race and psychosocial features?</b> <i>Mirian Fatuda, Ana Margarida Ana, Valéria Semedo, José A.P. da Silva, Portugal</i>
P-09	<b>From Emotions to Affect Regulation Systems: Development of the EASEL-3 Index</b> <i>Ana Margarida Ana, Cláudia Figueiredo, Rinie Geenen, Paula Castilho, José A.P. da Silva, Portugal</i>

P-10	<p><b>Geographical disparities in fibromyalgia severity: an Italian study</b>  <i>Marco Di Carlo, Fabiola Atzeni, Alessandra Alciati, Sonia Farah, Piercarlo Sarzi-Puttini, Fausto Salaffi, Italy</i></p>
P-11	<p><b>Fibromyalgia and chronic prostatitis/chronic pelvic pain syndrome (CP/CPPS): overlapping conditions for men</b>  <i>Sonia Farah, Daniela Marotto, Fausto Salaffi, Marco Di Carlo, Piercarlo Sarzi-Puttini, Italy</i></p>
P-12	<p><b>The effect of disease severity levels and pain catastrophizing subdomains on presenteeism-related productivity loss in female workers with fibromyalgia</b>  <i>Fausto Salaffi, Marco Di Carlo, Sonia Farah, Claudia Mariani, Piercarlo Sarzi-Puttini, Italy</i></p>
P-13	<p><b>Study Protocol For FIBROKIT: A New Tool For Fibromyalgia Diagnosis And Patient Follow-Up</b>  <i>Elena Durán-González, Jorge A. Ramírez-Tejero, Antonio Martínez-Lara, David Cotán, Spain</i></p>
P-14	<p><b>Assessment of the association between the frequency of leisure activities and the intensity of pain and its impact on the lives of people with fibromyalgia</b>  <i>Fernanda Fukushima, Livia Agostinho Teixeira, Mariana Suede Guimarães Ruy, Guilherme Antonio Moreira De Barros, Edison Iglesias De Oliveira Vidal, Brazil</i></p>
P-17	<p><b>Assessing Childhood Trauma, Defense Mechanisms, and Alexithymia in Single and Comorbid Syndromes among Women with Fibromyalgia and Chronic Pain</b>  <i>Martina Mesce, Filippo Maria Nimbi, Alessia Renzi, Federica Galli, Italy</i></p>
P-18	<p><b>Central Sensitivity and Fibromyalgia: a discriminating construct within different chronic pain conditions</b>  <i>Alessia Renzi, Martina Mesce, Filippo Maria Nimbi, Piercarlo Sarzi-Puttini, Sara Bongiovanni, Federica Galli, Italy</i></p>
P-19	<p><b>Traumatic Experiences and Defensive Mechanisms: Examining the Influence of Psychological Factors in Women with Fibromyalgia and Chronic Pain Syndromes in Comorbidity</b>  <i>Martina Mesce, Alessia Renzi, Filippo Maria Nimbi, Piercarlo Sarzi-Puttini, Sara Bongiovanni, Federica Galli, Italy</i></p>
P-20	<p><b>Chronic Fatigue and Dysautonomia following COVID-19 Vaccination is distinguished from Normal Vaccination Response by Altered Blood Markers</b>  <i>Amelie Semmler, Fritz Boege, Jana Ruhländer, Anna Katharina Mundorf, Anna Sabrina Kuechler, Karin Schulze-Bosse, Harald Heidecke, Kai Schulze-Forster, Matthias Schott, Markus Uhrberg, Sandra Weinhold, Karl J. Lackner, Marc Pawlitzki, Sven Guenther Meuth, Germany</i></p>



P-21	<p><b>Unraveling the complex web of fibromyalgia</b>  <i>Sarah Al Sharie, Scott J. Varga, Lou'i Al Husinat, Piercarlo Sarzi-Puttini, Mohammad Araydah, Batool Riyad Bal'awi, <b>Giustino Varrassi</b>, Italy</i></p>
P-22	<p><b>Understanding Pathophysiological Mechanisms of Chronic Pain Resolution in the Presence of Widespread Pain via Transcriptomics-Wide Analysis</b>  <i>Ivan Chumakov, Marc Parisien, Sahel Jahangiri Esfahani, Maxime Bergevin, Scott Thompson, Mathieu Roy, Luda Diatchenko, Canada</i></p>
P-23	<p><b>Decoding Fibromyalgia by considering Sleep and Anxiety as part of the etiopathogenesis: A Systems Biology Approach Unveiling Protein Interactions and Drug Repurposing Opportunities</b>  <i>Sveva Bonomi, Claudio Gautiero, Mauro Fasano, Tiziana Alberio, Italy</i></p>
P-24	<p><b>Immunohistochemical Method For The Characterization of Autoantibodies In Fibromyalgia</b>  <i>Maximilian Kempel, Alexander Fischer, Gustav Jirikowski, Germany</i></p>
P-25	<p><b>Correlation of Fibromyalgia, Attention Deficit Hyperactivity Disorder, Depression and Serum Cortisol: A Cross-Sectional Study</b>  <i>Edwin Meresh, Miloni Shah, Evan Sitar, USA</i></p>
P-26	<p><b>Pain Perception and Rapid Eye Movement (REM) Sleep Changes in Fibromyalgia Patients with Obstructive Sleep Apnea Undergoing Continuous Positive Airway Pressure Treatment: A Cross-Sectional Study</b>  <i>Edwin Meresh, Nicole Chin, Neha Nibber, Sthitadhi Chakraborty, Abid Khurshid, USA</i></p>
P-28	<p><b>Comparison of the efficacy of oxygen-ozone rectal insufflation and autoemotherapy in the treatment of fibromyalgia syndrome: preliminary results</b>  <i>Piercarlo Sarzi-Puttini, Laura Bazzichi, Valeria Giorgi, Alberto Batticciotto, Sara Bongiovanni, Federica Galli, Italy</i></p>
P-30	<p><b>Psychosomatic Assessment and Intervention in Fibromyalgia: a Clinical Trial Protocol.</b>  <i>Sara Ceccatelli, Serena Guiducci, Francesca Nacci, Fiammetta Cosci, Italy</i></p>
P-31	<p><b>Body Reprogramming for Fibromyalgia and Central Sensitivity Syndrome. A preliminary evaluation</b>  <i>Annily Dee, Joseph W. Lanario, Esther Hudson, Cosima Locher, Kerry Elliot, Anthony F. Davies, UK</i></p>
P-32	<p><b>Moving Body Reprogramming Groups onto a Digital Platform. Does it Deliver?</b>  <i>Esther Hudson, Joseph W Lanario, Dr Kerry Elliot, UK</i></p>

P-33	<p><b>Negative childhood events in women with fibromyalgia – not a lifelong sentence.</b>  <i>Bo Karlsson, Sven-Olof Andersson, Gunilla Burell, Karin Björkegren, Kurt Svärdsudd, Per Kristiansson, Sweden</i></p>
P-34	<p><b>Pregnenolone deficiency in patients with fibromyalgia syndrome with and without small fiber pathology - an interesting biomarker and potential therapeutic target, especially in fatigue</b>  <i>Walter Maier-Janson, Germany</i></p>
P-35	<p><b>Taking action: Recovery experiences of patients with fibromyalgia (FM)</b>  <i>Anne Marit Mengshoel, Norway</i></p>
P-36	<p><b>Immune-inflammatory pathways of the FIBROWALK Multicomponent Program in Fibromyalgia</b>  <i>Mayte Serrat, Sonia Ferrés, Ruben Nieto, Xavier Borràs, Juan Vicente Luciano, Albert Feliu-Soler, Spain</i></p>
P-37	<p><b>Comparative Effectiveness of the FIBROWALK Multicomponent Therapy in Online and Outdoor Formats for Individuals with Fibromyalgia: The On&amp;Out Study</b>  <i>Mayte Serrat, William Auer, Sonia Ferrés, Rubén Nieto, Xavier Borràs, Juan Vicente Luciano, Albert Feliu-Soler, Spain</i></p>
P-38	<p><b>The use of Mindfulness intervention as a potential “add-on therapy” to the usual treatments for the management of Fibromyalgia and its impact on Hope levels.</b>  <i>Francesca Trunfio, Barbara Biticchi, Erika Corberi, Rosa Bruni, Francesca Saracino, Lyubomyra Kun, Annalisa Marino, Damiano Currado, Luca Navarini, Roberto Giacomelli, Italy</i></p>
P-39	<p><b>Association Between Step Count Measured With a Smartphone App (Pain-Note) and Pain Level in Patients With Chronic Pain: Observational Study</b>  <i>Chie Usui, Ogawa Takahisa, Hatta Kotaro, Japan</i></p>
P-41	<p><b>Correlation of Oxidative Stress with Pain Severity in Fibromyalgia</b>  <i>Daniela Cepoi, Liliana Groppa, Eugen Russu, Republic of Moldova</i></p>
P-42	<p><b>Sexual Life Quality in Female Patients Affected by Fibromyalgia Syndrome</b>  <i>Martina Favretti, Giulio Dolcini, Chiara Gioia, Roberta Priori, Cristina Iannuccelli, Manuela Di Franco, Italy</i></p>

