

DEMYSTIFYING LONG COVID

INTERNATIONAL CONFERENCE 2023

HYBRID MEETING | 7 - 9 DECEMBER | MADRID, SPAIN

Program Book

AcademicMedicalEducation.com





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Dear Colleagues,

As the Chairs of the Demystifying Long COVID International Conference 2023, we are excited to welcome you to the inaugural Conference in beautiful Madrid and online.

With an excellent array of speakers, we cordially invite you to join us in raising awareness, clarifying misconceptions, and promoting understanding of the many continuing undefined aspects of long COVID. In the coming three days, we will shed light on the challenges in defining Long COVID, the prevalence, evolving profile and remission rates, research avenues, current treatment guidelines, and potential treatments for the future.

We are excited that the program includes a highly diverse team of basic and clinical scientists, clinicians, patient representatives, and trainees coming from different continents. With their complementary perspectives, we will delve into the underlying mechanisms of long COVID, the coordination of care pathways, and possible preventive and treatment options on the horizon.

Given the high disease burden and societal impact of this condition, this conference will give us the opportunity to discuss difficulties that patients and caregivers continue to face and find solutions to improve the quality of care.

We invite you to contribute to demystifying Long COVID and look forward to welcoming you to this unique meeting either in person or virtually!

On behalf of the Organizing Committee,

- Dr. Daniel Kuritzkes Dr. Monica Gandhi Dr. Dominique Salmon
- Dr. Roger Paredes

Program Chairs



Daniel Kuritzkes MD

Brigham and Women's Hospital / Harvard Medical School, United States



Monica Gandhi MD, MPH

University of California San Francisco, United States



Dominique Salmon MD, PhD

> Paris Descartes University, France



Roger Paredes MD, PhD

Hospital Germans Trias & IrsiCaixa AIDS Research Institute, Spain

Practical Information

Abstracts

Accepted abstracts are published in the Demystifying Long COVID abstract book.



Badge Policy

All registered delegates are provided with a conference badge. Admission to all events is restricted to registered delegates and official guests wearing their name badges. Please wear your badge at all times to ensure admission to the conference sessions.

Certificate of Attendance

Certificates of attendance will be sent by e-mail in the week following the conference (after completion of the post-conference survey).

Code of Conduct

All individuals are required to observe our Code of Conduct. We cannot tolerate any form of discrimination, harassment, disrespect, or the marginalization of those involved in our programs. Please report any incidents to VE and AME via info@amededu.com or to one of our onsite personnel. Any participant who is found to have exhibited

any inappropriate conduct or behavior against others may be removed from the program.



View in full:

academicmedicaleducation.com/ our-commitment-diversity-and-inclusion

Conference Secretariat

The conference secretariat is located at the registration desk in the pre-function area of the meeting room. It is open throughout the conference to address all your questions concerning logistics.

Feedback

Your feedback is very valuable to us as it allows us to continue to improve future Demystifying Long COVID conferences. Please complete the feedback forms that are distributed via email at the end of each conference day. Your feedback is much appreciated – we will use it to improve the program in 2024.

Networking Opportunities

Thursday, December 7 – 19:20 | A welcome reception is scheduled after the last plenary session.

Friday December 8 - 17:50 | A welcome reception and poster viewing are scheduled after the last plenary session.

Posters

Posters are displayed in the room next to the plenary room. Please seek out the posters during refreshment breaks and lunch breaks. There is a dedicated poster viewing session for which we ask the poster presenters to be available to present their work. *Friday December 8 - 17:50* | Welcome Reception & Poster viewing

Disclaimer: This conference aims to offer participants the opportunity to share information. Virology Education cannot accept any liability for the scientific content of the sessions or for any claims which may result from the use of information or publications from this workshop. Virology Education disclaim all liability for injuries or losses of whatever nature incurred by individuals attending the conference.



Presenters

Presenters are requested to submit their presentation as early as possible, latest in the break prior to their session. Our technicians will be available for you at the technician table.

Presentations and Webcast

The full session recordings are available OnAIR for three weeks after the conference. After this time, the lectures and PDF presentations will be made accessible via the conference website.

Social Media

We encourage all to share your conference experience on your social media accounts. Hashtag: #DemystifyingLongCOVID

Our Team



Kim Go Project Manager kim.go@amededu.com



Christina Moustakaki Project Coordinator christina.moustakaki@amededu.com



Hana Agustine Project Coordinator hana.agustine@amededu.com



Federica Ressa Project Manager federica.ressa@amededu.com



Michiel de Groot AV Manager



Bilal Badsi AV

Organizing Committee & Faculty

Chairs



Daniel Kuritzkes, MD Brigham and Women's Hospital / Harvard Medical School, United States



Monica Gandhi, MD, MPH University of California San Francisco, United States

Serena Spudich, MD

Yale University,

United States

Organizing Committee



Jonathan Schapiro, MD National Hemophilia Center, Sheba Medical Center, Israel

Speakers



Brent Appelman, MD Amsterdam Universitair Medische Centra, The Netherlands



Carolyn Bramante, MD, MPH University of Minnesota Medical School, United States



Chantal Britt, MA Long COVID Europe, Belgium



Fanny Brunet, PhD Hôpitaux de Saint-Maurice, France



Lisa Chakrabarti, PhD Institut Pasteur, Université de Paris, France



Guilherme Dias de Melo, DVM, MSc, PhD Institut Pasteur, France



Andrea Foulkes, ScD Massachusetts General Hospital Biostatistics; Harvard Medical School; Harvard TH Chan School of Public Health, United States



Giovanni Guaraldi, MD University of Modena and Reggio Emilia, Italy



Nathalie Kubis, MD, PhD Université Paris Cité, France



Mayssam Nehme, MD Hôpitaux University of Geneva, Switzerland





Dominique Salmon, MD, PhD Paris Descartes University, France



Roger Paredes, MD, PhD Hospital Germans Trias & IrsiCaixa AIDS Research Institute, Spain



Otavio Berwanger, MD, PhD Academic Research Organization, Hospital Israelita Albert Einstein, Brazil



Anton Pozniak, MD, FRCP Chelsea and Westminster Hospital, United Kingdom



Pauline Oustric, PhD #ApresJ20 Association Covid Long France, INSERM/Centre Léon Bérard, France



Etheresia Pretorius, PhD Stellenbosch University, South Africa; University of Liverpool, United Kingdom



Terry Segal, MBChB, MRCP, MRCPCH University College Hospital London, United Kingdom



Upinder Singh, MD Stanford University School of Medicine, United States



Gemma Torrell, MD, PhD CAP Les Indianes, Spain



Helen Ward, PhD, MBChB, MSc, FFPH, FRCP Imperial College London, United Kingdom



Annemarie Wensing, MD, PhD University Medical Center Utrecht, The Netherlands

Thursday, 7 December

Times are in Central European Time

	Opening of the Conference	
16:30	Opening Words Daniel Kuritzkes Brigham and Women's Hospital / Harvard Medical School, United States	
Session 1	Basic Facts about Long COVID Chairs: Daniel Kuritzkes & Etheresia Pretorius	
16:35	Long COVID Prevalence, Incidence, and Risk Factors Monica Gandhi University of California San Francisco, United States	
17:00	Defining the Syndrome, and Clusters of Symptoms Andrea S Foulkes Massachusetts General Hospital Biostatistics; Harvard Medical School, Harvard TH Chan School of Public Health, United States	
17:25	Where the Gaps Are? Helen Ward Imperial College London, United Kingdom	
17:50	Short break	
	Abstract Session Chairs: Serena Spudich & Lisa Chakrabarti	
18:05	SARS-CoV-2 viral persistence in lung alveolar macrophages is controlled by IFN-y and NK cells Nicolas Huot, France	#1
18:20	Blood transcriptomics reveal persistent SARS-CoV-2 RNA and candidate clinical biomarkers in a Belgian Long COVID cohort Johan van Weyenbergh, Belgium	#2
18:35	Cytokine Profile Associated with Post-COVID-19 Condition candidate clinical biomarkers in a Belgian Long COVID cohort Marta Massanella, Spain	#3
18:50	Transfer of IgG of Long-COVID patients induces subgroup-specific symptoms in mice Hung-Jen Chen, The Netherlands	#4
19:05	Improvement of immune dysregulation and health-related quality of life in individuals with long COVID at 24 months following SARS-CoV-2 infection Chansavath Phetsouphanh, Australia	#5
19:20	Welcome Reception	



Friday, 8 December

Times are in Central European Time

Session 2	Pathogenesis of Long COVID Chairs: Roger Paredes & Morgane Bomsel
09:00	Long COVID Pathogenesis - What Have We Learned So Far (Introduction Talk Presenting All the Current Hypotheses) Roger Paredes
	Hospital Germans Trias & IrsiCaixa AIDS Research Institute, Spain
09:10	Mitochondrial Dysfunction - COVID, Muscles and Mitochondria Brent Appelman
	Center of Experimental and Molecular Medicine, Amsterdam Universitair Medische Centra, The Netherlands
09:35	Long COVID and Vascular Dysfunction Etheresia Pretorius
	Stellenbosch University, South Africa; University of Liverpool, United Kingdom
10:00	SARS CoV-2 Adaptative Immune Responses In Long COVID Lisa Chakrabarti
	Institut Pasteur, Université de Paris, France
10:25	Neuropathogenesis Serena Spudich Yale University, United States
10 50	
10:50	The Hamster Model for Studying the Neurological Manifestations of Long COVID Guilherme Dias de Melo Institut Pasteur, France
	Guilherme Dias de Melo
11:15	Guilherme Dias de Melo Institut Pasteur, France
11:15	Guilherme Dias de Melo Institut Pasteur, France Coffee break Industry Supported Symposium
11:15 11:45 13:00	Guilherme Dias de Melo Institut Pasteur, France Coffee break Industry Supported Symposium SARS-CoV-2 Persistence and Long COVID: What Have We Learned So Far?
11:15 11:45 13:00 Session 3	Guilherme Dias de Melo Institut Pasteur, France Coffee break Industry Supported Symposium SARS-CoV-2 Persistence and Long COVID: What Have We Learned So Far? Lunch Clinical Management Part I

14:50	Long COVID in Pediatric and Adolescent Population Terry Segal (virtual) University College Hospital London, United Kingdom	
	Abstract presentations	
15:15	PBMC Immunophenotyping, Plasma Inflammatory Profile and Antibody Levels of Children with Long COVID Jon Izquierdo-Pujol, Spain	#6
15:30	The relationship between self-reported persistent symptoms post- COVID-19 and employment among adults in England, UK Chiara Di Gravio, United Kingdom	#7
15:45	Coffee break	
Session 4	Clinical Management - Part II Chairs: Dominique Salmon & Jérôme Larché	
16:15	Neurocognitive and Neurological Symptoms Mayssam Nehme, Switzerland Hôpitaux University of Geneva, Switzerland	
16:40	Parasympathetic Autonomic Dysfunction Is More Often Evidenced than Sympathetic Autonomic Dysfunction in Fluctuating and Polymorphic Symp of "Long-COVID" Patients Nathalie Kubis (virtual) Université Paris Cité, France	otoms
	Abstract presentations	
17:05	Vascular Inflammation in Neuropsychiatric Post-Acute Sequelae of COVID-19 Lindsay McAlpine, United States	#8
17:20	Focal Cerebral Hypoperfusion in Individuals with Cognitive Impairment after COVID-19 Lindsay McAlpine, United States	#9
17:35	Presentation and Factors Associated with Long COVID Among Individuals Presenting to Post Acute COVID-19 Clinics in Zambia Lloyd Mulenga, Zambia	#10
17:50	Networking Reception & Poster Viewing	



Saturday, 9 December

Times are in Central European Time

Session 5 Panel Discussion - Coordination and Challenges in the Care Pathway Chair: Monica Ghandi

08:30 Patient Perspective

Chantal Britt Long COVID Europe, Belgium Pauline Oustric #ApresJ20 Association Covid Long France, INSERM/Centre Léon Bérard, France

Perspective from a Family Doctor Gemma Torrell CAP Les Indianes. Spain

A Two-Sided Coin: A Clinician and a Patient Perspective Annemarie Wensing (virtual) University Medical Center Utrecht, The Netherlands

A Perspective from an Infectious Diseases Doctor Giovanni Guaraldi University of Modena and Reggio Emilia, Italy

09:30 Industry Supported Symposium Long COVID: Uncovering the Clues After 3 Years of Research

10:30 Coffee break

Session 6 Treatment and Prevention of Long COVID: What is on the Horizon? Chairs: Serena Spudich & Giovanni Guaraldi

11:00 COVID-OUT Study Carolyn Bramante University of Minnesota Medical School, United States

11:25 Nirmatrelvir/ritonavir for Treatment of Long COVID: What Does the Clinical Data Show Upinder Singh

Stanford University School of Medicine, United States

11:50 Discussion: What is on the Horizon?

12:05 Closing of the Conference

Friday, 8 December

Times are in Central European Time

	Industry Supported Symposium - Shionogi SARS-CoV-2 Persistence and Long COVID: What Have We Learned So Far? Chairs: Monica Gandhi & Roger Paredes
11:45	Symposium Opening Monica Gandhi & Roger Paredes
11:50	Long-Term Evolution of Long COVID Roger Paredes Hospital Germans; Trias & IrsiCaixa AIDS Research Institute, Spain
12:15	101 Virology - Retroviruses vs RNA viruses vs DNA viruses - What We Know About the Persistence of Each and Virus-Induces Inflammation Raul Andino, University of California, United States
12:40	Panel Discussion

13:00 End of the symposium

Speakers

- Monica Gandhi, MD, MPH
 University of California San Francisco, United States
- Roger Paredes, MD, PhD Hospital Germans, Trias & IrsiCaixa AIDS Research Institute, Spain
- Raul Andino, PhD University of California, San Francisco, United States

The "Industry Supported Symposium - Shionogi SARS-CoV-2 Persistence and Long COVID: What Have We Learned So Far?" is supported by an independent educational grant from Shionogi. Shionogi was not involved in the development of content or selection of faculty for this educational activity.



Saturday, 9 December

Times are in Central European Time

09:30 - 10:30 Industry Supported Symposium - Pfizer Long COVID: Uncovering the Clues After 3 Years of Research

Speakers

- Monica Gandhi, MD, MPH
 University of California San Francisco, United States
- Roger Paredes, MD, PhD Hospital Germans, Trias & IrsiCaixa AIDS Research Institute, Spain
- Romina P. Quercia, MD, PhD, MGH Global COVID-19 Medical Affairs, Pfizer

More information on the symposium program can be found on page 22.

The "Industry Supported Symposium - Pfizer Long COVID: Uncovering the Clues After 3 Years of Research?" is initiated, funded and organized by Pfizer.

Brent Appelman No potential conflict of interest to disclose

Otavio Berwanger Conflict of interest not disclosed

Carolyn Bramante No potential conflict of interest to disclose

Chantal Britt No potential conflict of interest to disclose

Fanny Brunet No potential conflict of interest to disclose

Lisa Chakrabarti Potential conflicts of interest: Emulate

Guilherme Dias de Melo No potential conflict of interest to disclose

Andrea Foulkes Potential conflicts of interest: NIH/NHLBI, RoundTable Inc

Giovanni Guaraldi Potential conflicts of interest: ViiV, Gilead, Merck, Janssen

Nathalie Kubis No potential conflict of interest to disclose

Mayssam Nehme No potential conflict of interest to disclose

Pauline Oustric No potential conflict of interest to disclose

Roger Paredes Potential conflicts of interest: Gilead, ViiV, MSD, Pfizer, GSK, Lilly, Roche, Astra Zeneca, Atea, Theratechnologies **Anton Pozniak**

Potential conflicts of interest: Janssen, Merck, Viiv and Gilead,

Etheresia Pretorius Potential conflicts of interest: Biocode Technologies

Dominique Salmon No potential conflict of interest to disclose

Jonathan Schapiro

Potential conflicts of interest: Pfizer, Moderna, Merck, Gilead Sciences, GlaxoSmithKline, Tibotec-Janssen, Teva, Virology Education, ViiV Healthcare. He has received travel support and stipends for advisory work for the World Health Organization.

Serena Spudich No potential conflict of interest to disclose

Terry Segal No potential conflict of interest to disclose

Upinder Singh Potential conflicts of interest: Pfizer, Gilead

Gemma Torrell No potential conflict of interest to disclose

Helen Ward No potential conflict of interest to disclose

Annemarie Wensing Potential conflicts of interest: Gilead, ViiV/ GSK, Drug level kits by ARK



Corporate Support

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Since 1953 Shionogi has been a leader in infectious disease discovery and commercialization. Our R&D story extends beyond antibiotics to include novel medications for HIV and influenza. Today, our global pipeline includes investigational agents developed to address global health challenges including antimicrobial resistance, COVID-19, influenza, rare fungal diseases and respiratory syncytial virus.

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ENDORSERS







Join the Pfizer-sponsored symposium

Saturday, 9 December 2023 9:30–10:30 CET

Long COVID: Uncovering the Clues After 3 Years of Research

We are delighted to invite you to our symposium titled "Long COVID: Uncovering the Clues After 3 Years of Research," taking place at the Demystifying Long COVID International Conference on 7-9 December 2023 in Madrid, Spain.

Attendees can expect a comprehensive review of the burden and pathophysiology, clinical aspects, and cellular and molecular biomarkers of long COVID.

Following the presentations, there will be an audience Q&A and faculty panel discussion on supporting/designing further research and studies for long COVID.

Meet our panelists:

Monica Gandhi, MD, MPH University of California San Francisco United States

Roger Paredes, MD, PhD Hospital Germans Trias & IrsiCaixa AIDS Research Institute Spain

Romina P. Quercia, MD, PhD, MGH Global COVID-19 Medical Affairs Pfizer

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Date of Preparation: November 2023.





Since 1953, Shionogi has been a leader in infectious disease discovery and commercialisation.

Our R&D story extends beyond antibiotics to include novel medications for HIV and influenza. Today, our global pipeline includes investigational agents developed to address global health challenges, including antimicrobial resistance, COVID-19, influenza, respiratory syncytial virus and rare fungal diseases.

As part of our commitment to addressing unmet medical needs, Shionogi is partnering with several non-governmental organisations to increase equitable access to our medications worldwide.

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