

An invitation to the Fourth European

CRYPTO-INFECTIONS CONFERENCE:

**Chronic Conditions & Post Infectious Syndromes Induced
By Infections Such as Lyme Borreliosis and Long Covid**

CURRENT STATUS - FUTURE DIRECTIONS

Friday 4th of October to Saturday 5th October 2024

Address T'AIM HÔTEL, 70, RUE PONT NEUF, 60280 MARGNY-LÈS-COMPIÈGNE, FRANCE

<https://www.taimhotel.com/fr/>

Face-to-face for healthcare professionals

Online for healthcare professionals, patients and the public



utc

Université de Technologie
Compiègne





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POLYCLINIQUE





DAY 1- DIRECTORS –*Prof John (Jack) Lambert & Prof Christian Perronne* – **CENTRAL EUROPEAN TIME (CET)- PARIS****8:45 Introduction***Prof John (Jack) Lambert**Pierre Vatin**Philippe Marini (Mayor of Compiègne),**Prof Claire Rossi (Director of UTC),**Vincent Vesselle (director of the St Côme Polyclinic),**Audrey Merle, Sandrine Dufils***9:10 Role of PCR in the Diagnosis of Crypto Infections***Prof Christian Perronne***9:40 Clinical Data- Publication on the Chronicity of Lyme Disease***Dr Ahed Zedan***10:10 Post-infectious syndromes following a poorly resolved infection***Prof Alain Trautmann***11:00** Coffee break**11:20 Options for the Treatment of Long Lyme***Dr John (Jack) Lambert***12:00 Study of 500 people***Frederic Maire***CRYPTO-INFECTIONS CONFERENCE****CURRENT STATUS - FUTURE DIRECTIONS**

13.00 LUNCH & POSTERS

14:00 **Long Covid therapeutic trials and clinical research: current status**

Dominique Salmon

14:30 **SIX ABSTRACTS-** (10 minutes each- 5 minutes for questions)

ABSTRACT 1- The important role of dental health in crypto-infections *Dr Rixecker*

ABSTRACT 2- Influence of diet and lifestyle on the management of low-grade inflammation in dysimmunity-. *Anthony Berthou*

ABSTRACT 3- TBC

15:15 **Myalgic Encephalomyelitis/Chronic Fatigue Syndrome**

Dr Nigel Speight

16:00 Coffee Break

16:30 **Workshops–**

ATELIER 1- Top-level athletes- Lyme- *Audrey Merle, Sandrine Dufils*

ATELIER 2- Patients- *Christele Dumas, Laura Arnal*

ATELIER 3- PLATINUM SPONSORS

ATELIER 4- GOLD & SILVER SPONSORS

17:40 END OF FIRST DAY

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DAY 2- DIRECTORS –*Prof John (Jack) Lambert & Prof Christian Perronne* – **CENTRAL EUROPEAN TIME (CET)- PARIS****9:00 Introduction***Prof Christian Perronne**Sandra Olivier**Nicolas Charpentier**Benoit Garriot***9:10 Long COVID- Review Of Long COVID, Similarities With Long Lyme***Dr John (Jack) Lambert***9:40 Contribution Of Lymphocyte Typing To The Management Of Crypto-Infections***Nathalie Caradot***10.10 Analyses of Patient Data via Artificial Intelligence (IA)***Prof Marc Shawky***10:40 Coffee Break****11:00 Selection of Probes against *Borrelia burgdorferi****Prof Severine Padiolleau Lefevre***11:30 Microbe-induced dysregulation of the renin-angiotensin system and associated human pathologies (Covid-19, Long Covid, Lyme and others)***Jean Marc Sabatier***12:00 Tests for vector-borne infections - new diagnostic tools***Tanja Mijatovic***12:30 Tickplex Plus Diagnostics -Analysis of Results***Leona Gilbert***CRYPTO-INFECTIOUS CONFERENCE****CURRENT STATUS - FUTURE DIRECTIONS**

13:00 LUNCH & POSTERS

14:00 **One Health-**

Dr Liz Lewandrowski

14:30 **An Estimation Of The Prevalence And Economic Burden Related To Chronic Lyme Disease/Tick-Borne Infections In Ireland -**

Pascal Jollivet-Courtois

15:00 **Cost Of Illness In Patients With Post-Treatment Lyme Disease Syndrome In Belgium**

Ruben Willems

15:30 **General Practitioners & Treatments**

Dr David Guillaumin

16:00 **Therapeutic Education of Long Covid patients: the experience of the Centre Hospitalier Simone Veil in Beauvais**

Mrs Le Bras

16:30 END OF CONFERENCE

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CALL FOR ABSTRACTS

DEADLINE 15th August, 2024

Aims and eligibility- Presenters can present in person or online.

Abstracts should contain original material, recent work or novel concepts related to cryptic infections. The conference encourages research on cryptic infections as well as best practice examples and lessons learned. The theme of this year's conference is Current Status- Future Directions.

Abstract categories

Please see below a list of topics/ tracks available for submitted abstracts for Crypto-Infections 2024:

1. Numerical data
2. New treatments
3. Diagnostic advances- state of the art

For abstracts submitted by students, the registration for the conference will be waived, but all costs related to the conference participation should be covered by you, including flight and accommodation if you decide to attend in person.

Please send your abstract in pdf format to gavramovic@mater.ie by the 30th of June,2024. Word count limit is 250 words excluding title and authors. The abstract should contain the following sections: Title and Authors, Introduction, Methods, Results and Discussion. Authors should indicate if they wish to apply for an oral presentation or poster only. Abstracts can be submitted in English or French.

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BIOGRAPHIES

Prof Jack (John) Lambert

Consultant Infectious Diseases, Mater Misericordiae University Hospital & Rotunda Hospital and Full Professor, UCD School of Medicine, UCD, Ireland.

Dr John Lambert is a consultant in Infectious diseases and genitourinary medicine, and has been practicing in Dublin Ireland as a consultant in the Mater and Rotunda Maternity hospitals, with teaching appointment at UCD School of Medicine and Medical Science. He was director of the National Isolation Unit for Highly Infectious Diseases at the Mater Misericordiae University Hospital (2008-2019) and a member of the National Viral Hemorrhagic Fever Committee of the HSE (Irish Health Service Executive). He has also been involved in the Sexual Health Strategy group in Ireland and teaching GP in Ireland on the subject of STDs. He has presented widely in the field of Lyme and co infections in the last 3 years through EU and USA conferences supported by the International Lyme and Associated Diseases Society (ILADS). He is co-chair of the "One Health" steering committee of UNA EUROPA, an alliance of 11 European universities.

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Prof Christian Perronne

Former Professor of Infectious and Tropical Diseases at the University of Versailles-St Quentin (UVSQ), France

Christian Perronne, MD, PhD, qualified in Internal medicine, is Professor of Infectious and Tropical Diseases. He retired in March 2022 from the University of Versailles-Paris Saclay, France. From 1994 to 2020, he was chief of a Department of medicine at the Raymond Poincaré University Hospital in Garches, Greater Paris University Hospitals group. He had major responsibilities within several institutions: Pasteur institute in Paris (vice-director of the national tuberculosis reference center), French College of Professors of Infectious and Tropical Diseases (chairman), French National Technical Advisory Group of Experts on Immunisation (chairman), French Drug Agency (chairman of several working groups making evidence based recommendations), Superior Council for Public Hygiene of France (Chairman), French High Council for Public Health (Chairman of the Communicable diseases commission), INSERM, National Council of Universities (Chairman for infectious and tropical diseases), European Advisory Group of Experts on Immunisation at the World Health Organization (vice-chairman). He was principal investigator of several major clinical trials. He is author or co-author of more than 300 scientific publications in peer-reviewed journals. Since 1994, Christian Perronne is involved in the management of chronic Lyme and associated diseases. He is author of a book “La vérité sur la maladie de Lyme” (in French) (“The truth about Lyme disease”), Odile Jacob publisher, Paris, which will be published in English in May 2020 (“Crypto-infection, the truth about Lyme disease and other hidden infections”), Hammersmith publisher, London, Dublin.

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Ruben Willems

Interuniversity Center of Health Economic Research (I-CHER), Ghent University, Belgium

Ruben Willems is currently postdoctoral researcher at the health economic unit of Ghent University, a mandate which he combines with being director of the Flemish Association of Psychiatry. He has extensive experience in conducting health economic evaluations in multiple disease areas including congenital heart disease, mental healthcare, type 2 diabetes, cancer, and infectious diseases. He (co-)authored 38 publications indexed in Web of Science (dd April, 23rd 2024).

Marc Shawky

Full Professor at Université de Technologie de Compiègne, France

Marc Shawky is Full Professor at Université de Technologie de Compiègne, France, with the Computer Science department, Costech Laboratory. He started his career working on supercomputing and its applications for the analysis of massive data. He is focusing his research works currently on generalizing the use of artificial intelligence, specifically machine learning, to comfort the diagnosis of clinical physicians for long-term microbial persistent infections. He is a member of the European network of excellence AI4EU, working groups “AI for health”, “Ethics of AI” and “AI Explainability”.. He is also member of ILADS and SERC societies.

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Tatjana Mijatovic

Project Leader, Lab Manager and Chief Science Officer at R.E.D. Laboratories

Tatjana Mijatovic holds Ph.D. in Molecular Biology obtained at ULB (University of Brussels, Belgium). T. Mijatovic authored 54 publications in peer-reviewed journals (22 as first or senior author/ 32 as co-author) and holds 2 granted patents as first author. Since 2011 T. Mijatovic is Project Leader, Lab Manager and Chief Science Officer at R.E.D. Laboratories. R.E.D. Laboratories is Belgium-based private laboratory developing and performing specialty tests to assess multifactorial afflictions like Tick-borne diseases, chronic fatigue syndrome, chronic infections, intestinal dysfunctions, autism, etc. Dr Mijatovic is an ILADS member and is active in number of international scientific groups and networks. Previously, Dr Mijatovic performed as (i) R&D Project Leader and Head of Biology in Biotech Company specialized in the discovery of new anti-cancer agents, (ii) Publications Manager consultant for Pharmaceutical Companies and (iii) scientist at the University of Brussels (ULB) in Belgium.

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Dr. Leona Gilbert

Docent of Cell and Molecular Biology and the CEO of Te?ted Oy

Dr. Leona Gilbert is a Docent of Cell and Molecular Biology and the CEO of Te?ted Oy. This university spinoff company aims to get the patients tested so they can be treated and recover quicker. She has a doctorate in biotechnology and a very long experience in bio-innovation and bio-business. She has supervised numerous PhD, MSc and BSc students, and her various peer-reviewed articles span turning research results into a translational value by developing novel delivery vectors and diagnostic platforms. In addition, Gilbert's publications also demonstrate a thorough investigation of how a common virus or bacterium can contribute to autoimmune diseases. Another highlight in these publications is demonstrating a multi-disciplinary background and collaborative efforts between clinicians, microbiologists, diagnostic developers, nano-scientists, physicists and engineers. Gilbert's research initiatives into complete diagnostic platforms and clinical profiling of patients for tick-borne and autoimmune diseases will allow a better understanding of how chronic conditions could be established with infectious pathogens.

Dr Ahed Zedan

Internist at Polyclinique St Côme, France

A.F.S.A. Infectious Diseases - University of Paris Île-de-France Ouest-Versailles
A.F.S. Internal Medicine - Faculty of Medicine, Paris 6 - La Pitié Salpêtrière

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Dr Nigel Speight

Consultant Paediatrician and Adviser to the ME Association (MEA), UK

Dr. Nigel Speight is a consultant paediatrician formerly at the University Hospital of North Durham, UK. His qualifications are MA, MB, BChir, FRCP, FRCPC, DCH. He has 40 years of experience in paediatrics, 25 as a consultant. He retired from my post in Durham in 2007 but continues to practice as a consultant locum and remains on the medical register. Over the last 30 years he has developed an extensive experience and interest in the area of ME/CFS [Myalgic Encephalomyelitis/Chronic Fatigue Syndrome] in childhood and adolescents. Within North Durham alone he has accumulated over 200 cases under his personal care. In addition, because of his special interest, he has had over 1000 cases referred to him from elsewhere in the Northern Region and all over the United Kingdom. These referrals have been from general practitioners and fellow paediatricians. He is currently the paediatric adviser to the charities the TYMES Trust, ME Association (MEA), the 25% Group, BRAME (the Blue Ribbon Awareness of ME charity) and the Welsh ME Association. For many years I was also paediatric adviser to the Association of Young People with ME (AYME) and Action for ME.

Prof Séverine Padiolleau

Teacher-researcher specializing in molecular diversity, University of Technology of Compiègne, France

Professor Séverine Padiolleau is a teacher-researcher specializing in molecular diversity at the University of Technology of Compiègne. Affiliated with CNRS unit 7025, her research focuses on both the generation of molecular diversity and the associated selection techniques like Phage Display and SELEX. Previously dedicated to studying immune repertoires, particularly the role of catalytic antibodies in disease, Professor Padiolleau has recently shifted her focus to diagnosing Lyme disease. Her current work revolves around selecting and/or rationally designing molecular probes for the direct detection of pathogens causing Lyme borreliosis. She is currently in the process of creating an industrial chair hosted by the UTC Foundation.

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Prof Claire Rossi

Director of Compiègne University of Technology (UTC)

Claire Rossi, University Professor, was appointed Director of Compiègne University of Technology (UTC) for a period of five years, taking effect from 8 December 2022. She succeeds Christophe Guy, who took up his post in February 2021. Claire Rossi graduated from the Ecole Nationale Supérieure de Chimie de Toulouse (now Toulouse INP-ENSIACET) in 2002 with a degree in chemical engineering and a post-graduate diploma (DEA) in agro-resource sciences. She obtained her doctorate in biotechnology from the UTC in 2006. After a post-doctorate at the Max Planck Institute for Polymer Research in Germany, Claire Rossi became a lecturer, then a university professor in 2016 at the UTC, with an HDR defended in 2014. Claire Rossi conducts her research on the interaction of active molecules with cell membranes and in nutritional biochemistry at the UTC/CNRS UMR 7025 Enzyme and Cellular Engineering Laboratory, and from 2012 to 2023 she managed an engineering speciality course in 'innovation, food and agroresources'. In 2015, she set up a technology platform on food science and continues to run it. It is a place for innovation and partnership with businesses at the UTC's innovation centre. Between 2017 and 2021, she was an elected member and vice-president of the UTC Board of Directors. Then from 2020 to 2022, Claire Rossi was twice provisional administrator of the institution and deputy director during her predecessor's term of office.

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Audrey Merle

Triathlete

I started swimming laps in the Chamalières swimming pool at the age of 5. Every year, the number of training sessions and competitions increased, as did my passion for water. To 'keep my feet on the ground', I put on my spikes from time to time at the weekend and took part in cross-country races in the region. In 6th form, the choice of swimming lessons was an obvious one. My days were already very full, but I never thought of slowing down. At the age of 16, I even left home to join the swimming club in Tours. But a phone call, the importance of which I had absolutely no idea, turned my daily life as a swimmer upside down. On the other end of the line, a technical manager from the French Triathlon Federation noticed my results in swimming and cross-country and suggested that I try the Aquathlon (swim-run). I decided to accept the challenge and took part in the French Championships in 2010. I won the race with great surprise, discovering a new passion for linked sports. I then set off for new horizons and gave myself every chance of reaching the highest level by joining the Montpellier triathlon hope centre in September 2012. After a tricky first year, I began to earn a place in the French Youth Team on a consistent basis in 2014. At the beginning of July 2016, after a 2015 marked by my first podium finishes in 'Elite' races at international level, I heard I was selected for the Rio Olympic Games. Rio will have enabled me to learn how to manage an exceptional event, to get to grips with a race that everyone has been waiting for for so long. I had realised part of my dream... But I'm a competitor and I am bound to want to go back there and do even better. Like all sportsmen and women, I have had my ups and downs. 2016 was an extremely trying year morally, as I began to have to juggle the realisation of a dream with increasingly recurrent unexplained health problems. In the end, you have to go back almost 4 years to really see the light at the end of the tunnel. All hope of qualifying for Tokyo disappeared. It was the umpteenth consultation that led me to conclude that I had contracted Lyme disease. At the same time, I finished my Masters 2 (STAPS Entraînement Biologie Nutrition Santé) in Paris, although the last year was very difficult to manage, as my symptoms became increasingly severe. I quickly began treatment, met Professor Perrone and found myself away from training for many long weeks. As the symptoms gradually disappeared, long months of reconstruction awaited me before I could get back into shape and compete again in 2021!

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Catherine Le Bras

Prevention Centre psychologist, France

Ms Le Bras is a psychologist specialising in neuropsychology. Trained at the Pitié-Salpêtrière University Hospitals, she worked as a psychologist in the Neurology Department at the Centre Hospitalier Simone Veil in Beauvais (60); in September 2022, she joined the Prevention and Patient Education Unit (PPEP) at this hospital, where she provides therapeutic education for chronically ill patients. In particular, she is helping to support "long covid" patients through a dedicated therapeutic education programme, the first to be offered in France (June 2021). She regularly takes part in conferences (SPILF, OFPN, SETE) to promote this patient-centred approach, which is based on patients' experiential knowledge and respects their symptoms and timeframes.

Dr Nathalie Caradot

Specialist in general medicine, Sainte-Foy les Lyon, France

Dr Nathalie Caradot is a specialist in general medicine who has been practising for 35 years in a global psycho-neuro-endocrino-immunological approach. Her practice has led her to question the aetiology of the multi-systemic syndromes of many patients in medical distress. We now know that, in addition to factors linked to today's radically altered lifestyles (stress, diet, environmental and endocrine problems, various toxic substances, etc.), crypto-infections are often to blame. Whether viral, bacterial or parasitic (or even fungal), they are under-diagnosed by the usual tests. Through her training in immunology, she has acquired experience in lymphocyte typing analysis, which provides an overall view of the immune response at a given time. In particular, it is one of the few approaches that can be used to understand Cellular Immunity, which deals with intra-cellular defence in particular and is responsible for the vast majority of crypto-infections. This assessment of lymphocyte types is a real diagnostic aid for more targeted treatment, but it is also relevant for monitoring proposed treatments.

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