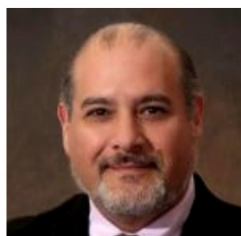


AONM Newsletter June 2017



Dr. Armine



Prof. Gilbert



Dr. Jemsek



Dr. Klinghardt



Dr. Savely



Dr. Schwarzbach

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May Conference: Chronic Illness Uncovered



The AONM conference on **Chronic Illness Uncovered: Lyme Disease, Viral Pathogens, Morgellons, Mould & More** was hugely informative and well attended. All the slides can be found on the AONM website at this URL:

<http://aonm.org/events/chronic-illness-uncovered-conference/>

The keynote presentation was held by **Dr. Dietrich Klinghardt**, who spoke on “Chronic illness and the 4 phases of effective truly biological treatment”. He discussed the importance of first treating a patient’s dysregulated physiology and biochemistry, and then reducing the toxic body burden. The third step is immune modulation, followed ideally only then by anti-microbial/anti-viral strategies. Please see his presentation for a fuller explanation, as well as his article in the April edition of IHCAN Magazine, detailing the same (from page 30 onwards): <http://www.ihcan-mag.com/imag/ihcanapril17.pdf>

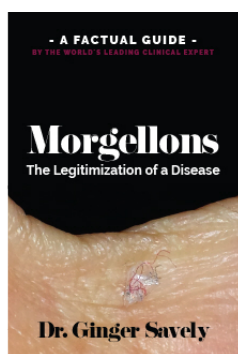
This was followed by **Professor Leona Gilbert**, who gave us background on the development of a new extremely sensitive “one-blood-draw” test of multiple infections (via serology – IgG and IgM) called TickPlex, which is now available from Arminlabs – please contact AONM as the UK representatives for further details (<http://aonm.org/arminlabs-price-list-and-order-forms/>)

The next speaker was **Dr. Armin Schwarzbach**, CEO of Arminlabs Germany, who discussed the role of tick-borne infections and viruses in cancer and unexplained syndromes. This provided fascinating insights particularly into why tick-borne infections

may underlie (or at least play a role in) blood-related cancers (leukaemia, lymphoma, myelodysplastic syndromes), The connection between EBV and blood cancer was also elucidated, and is being studied intensively here in the UK by the University of Sussex (EBV hijacks enhancer DNA regions to gain control of the MYC and BCL2L1 genes, which drive lymphoma).

Dr. Jess Armine discussed the mechanisms involved in chronic inflammatory response syndrome (CIRS, central to mould sensitivity), and the effects of mould and mast cells on the microglia. He also covered how mycotoxins, bacteria and viruses affect our genetic pathways and homeostatic physiology.

Dr. Ginger Savely gave detailed insights into Morgellons Disease, a mysterious and hugely misunderstood condition. The leading expert in the world on this condition, Dr. Savely, has conducted studies suggesting an association between Morgellons and Lyme Disease: of 122 subjects in her 2010 study with Dr. R. Stricker, 97% tested positive for or were clinically diagnosed with Lyme Disease (<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3047951/>).



Her book, “Morgellons: The Legitimation of a Disease”, was published in November 2016

Dr. Joseph Jemsek, a board-certified physician in infectious disease and internal medicine with a specialty clinic in Washington DC exclusively devoted to the care of patients with Lyme Disease, spoke by video link about barriers to successful treatment outcome in Lyme Borreliosis Complex (his term for persistent LD and all possible co-infections). He gave a very enlightening presentation on the risk factors for poor clinical outcome, as well as a long and highly informative Q&A. Dr. Jemsek will be with us in person for AONM's Annual International Conference on November 19th (see Upcoming Events).

12th Invest in ME Conference

Invest in ME held another excellent conference in Westminster Friday June 2nd (<http://www.investinme.eu/IIMEC12.shtml>). This annual international research conference provides a platform for the latest and most promising biomedical research into ME. IIMEC12 was the twelfth conference and attracted outstanding speakers such as **Professor Nancy Klimas**, Director of the Institute for Neuro Immune Medicine, Nova Southeastern University, Miami. Professor Klimas spoke about her laboratory's analysis of natural killer cell function as one of the most consistent abnormalities reported in ME/CFS patients, as well as the gene signature study planned. For the latter she is looking for 30,000 participants in the search for an SNP (single nucleotide polymorphism) characteristic of ME.

Professor Mady Hornig from the Center for Infection and Immunity, Columbia University, is highly renowned for establishing models that identify how genes interact with environmental agents to produce brain disorders, and for her work examining the role of viruses, intestinal microflora and xenobiotics in autism and other neuropsychiatric illnesses. She discussed viral activation of innate immune signalling in the central nervous system and a broad range of gut-brain interactions in her talk on gut-metabolome-immune disturbances in ME subsets.

Professor Olav Mella presented the Norwegian team's latest findings on a metabolic obstruction of the energy pathway in ME – pyruvate dehydrogenase (PDH) (see AONM's March 2017 newsletter). If the PDH enzyme is impaired, cells are likely to increase the utilisation of alternative fuels, which may explain the changes in the amino acid profile found in ME. His colleague Professor Oystein Fluge was unable to attend due to an injury, but welcomed the audience from hospital in Norway, and was instead represented by **Dr. Ingrid Rekeland**, who discussed further details of metabolic profiling in ME.

The molecular biologist **Professor Werner Tate**'s talk was entitled “Intense molecular study of well-characterised patients to understand the acute phase, perpetuation and relapse/recovery cycles in ME”. He elaborated on micro-RNA, the transcriptome, proteome, and gave interesting insights into what could be causing patients' relapse cycles.

The highlight of the conference was **Professor Ron Davis**, who spoke on establishing new mechanistic and diagnostic paradigms for ME. Ron Davis is Professor of Biochemistry and Genetics at the Stanford School of Medicine at Stanford University, California, and is a world leader in the development of biotechnology, especially recombinant DNA and genomic methodologies and their application to biological systems. Professor Davis works closely with Dr. Naviaux from The Mitochondrial and Metabolic Disease Center on groundbreaking metabolomics studies in ME. He is driven first and foremost by a desire to find a solution for his son (severely ill with an ME-type illness).

The entire day was filmed as always – the DVDs will be available soon (DVDs and reports from all previous years available here: <http://www.investinme.eu/iimec11.shtml#report>).



Friday 16th June

Systems Medicine: Bridging the Gap between Science and Clinical Practice

Presentations on the impact of nutrition, environmental exposures, and microbiota on health through interactions with cellular membranes, mitochondria, immune system, and the brain by: Professor Jeremy Nicholson, Professor Ted Dinan, Professor Aaron Lerner, Mr Edward Kane, Dr Sarah Myhill, Dr Shideh Pouria, Professor Yehuda Shoenfeld

<http://www.bsem.org.uk/>

Dr. Armin Schwarzbach will also be attending, and will be present with a stand.



Saturday 17th June

Merging Academics with Clinical Application in Membrane Medicine

Dr. Patricia Kane, Dr. Edward Kane and other speakers on the brain, phospholipids, epigenetics and gene expression via the Membrane Bridge:

<http://www.neurolipid.org/wp-content/uploads/2017/04/Neurolipid-Membrane-Medicine-Conference-JUNE-UK-2017.pdf>

8.00 am - 6.30 pm

Cavendish Conference Centre, 22 Duchess Mews, London W1G 9DT

Registration via the BSEM website <https://webcollect.org.uk/bsem>



Saturday and Sunday July 15th/16th

ART 1&2 Weekend Workshop with Dr. Klinghardt

9.30 am - 6.00 pm on both days

Peredur Centre, West Hoathly Road, East Grinstead, East Sussex. RH19 4NF

<http://klinghardtinstitute.com/product/art-12-week-end-course/>

Upcoming events



ArminLabs training with Gilian Crowther

On Tuesday June 13th (including Tickplex).

6.30 - 7.30, and every fortnight after that.

Please contact the AONM Helpline to register (03331 210 305), and give them your Skype ID.



Integrative Healthcare and Applied Nutrition Summit 2017 (IHCAN)

10th June, 155 Bishopsgate, London

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Save £22.50 on full price of £85 using the AONM code to register for the conference

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AONM ANNUAL INTERNATIONAL CONFERENCE

SUNDAY 19 NOVEMBER 2017

LONDON



Waking to a New Dawn: The Emergence of 21st Century Acquired Immune Deficiencies & Innovative Solutions

Chaired by Dr. Judy Mikovits with Dr. Joseph Jemsek and others

Book now <https://waking-to-a-new-dawn.eventbrite.co.uk>

Holiday Inn Regents Park – Carburton Street – London – W1W 5EE