

AONM Newsletter April 2018



This Spring's AONM newsletter covers exciting new developments in the fields of PANS/PANDAS, cancer, ME and Lyme Disease, and fascinating upcoming events.

CONTENTS

- ▶ **1. PANS/PANDAS:** Infection-induced autoimmune disorders:
The tip of an iceberg?
AONM: Now representatives for the Cunningham Panel
- ▶ **2. CANCER UPDATE:** How Precision Medicine is Changing Cancer Therapy:
Workshop with experts from multiple fields
- ▶ **3. NEW ARMINLABS TESTS:** New viral, parasite and immune system tests Available
- ▶ **4. NICE Guidelines:** New guidelines for Lyme now completed
- ▶ **5. Upcoming Events**

1. PANS/PANDAS - Infection-induced auto-immune disorders: The tip of an iceberg?

The connection between autoimmune dysfunction and psychiatric illnesses has been investigated for many years. Recently, studies have found that infection-triggered autoimmune disorders may be the root cause of numerous neuropsychiatric symptoms.

PANS is the acronym for **Paediatric Acute onset Neuropsychiatric Syndrome**.

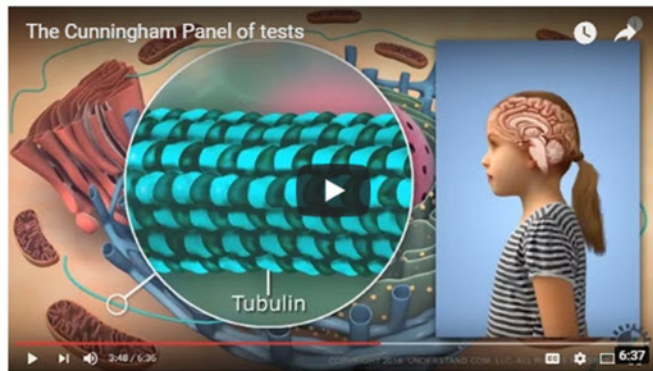
PANDAS is an acronym for **Paediatric Autoimmune Neuropsychiatric Disorder Associated with Streptococcal infection** and is now considered a subset of the broader classification, PANS.

These are autoimmune conditions that disrupt normal neurological activity. The key characteristic of PANDAS is sudden, acute onset of intense anxiety and mood lability accompanied by OCD-like behaviours and/or tics in association with a streptococcal infection that has occurred immediately prior to the symptoms. PANS is a broader term that can include PANDAS, where similar symptoms are triggered by other infections such as EBV, Mycoplasma, Borrelia, Coxsackie, Staph, and many others.

In general terms PANDAS is triggered by group-A beta-haemolytic streptococcal infections, whereas PANS has another infection or infections underlying it.

Typically, PANS and PANDAS children have seen multiple medical specialists in search of an answer, sometimes being dismissed entirely or incorrectly diagnosed with a mental illness and prescribed psychiatric medications. If this condition has not been addressed and resolved in a child, clearly it may continue on into adulthood.

THE CUNNINGHAM PANEL BY MOLECULERA



A laboratory in Oklahoma, USA, called Moleculera has developed a test called the Cunningham Panel™ that analyses five markers closely identified with these conditions. If one or more of these five assay values is elevated, it may indicate a clinically significant autoimmune neurological condition in which the patient's autoantibodies cross-react and are directed against selected neuronal targets in the brain which are involved in neuropsychiatric and/or motor functions.

AONM is holding a conference on PANDAS/PANS & ASSOCIATED DISORDERS on May 12 with the CEO of Moleculera, Professor Craig Shimasaki, who will give insights into the etiology of these conditions, and background to Moleculera's testing. Other speakers are Dr. Charles Ray Jones (by live videolink), who has treated over 15,000 children and adolescents suffering from tick-borne diseases as well as infection-induced autoimmune encephalopathies of the PANS/PANDAS type for the last four decades, and Dr. Elena Frid, a board certified neurologist and clinical Neurophysiologist specializing in infection-induced autoimmune disorders. Please see "Upcoming events" for further details of this event.

2. Cancer: How Precision Medicine is Changing Cancer Therapy

The AONM Cancer event "Personalised Medicine: How Precision Medicine is Changing Cancer Therapy" on March 24 brought together some of the most renowned, experienced and inspirational scientists in the field.

Professor Katharina Pachmann gave a detailed explanation of how her laboratory in Bayreuth, Germany, uses a unique liquid biopsy technique to detect

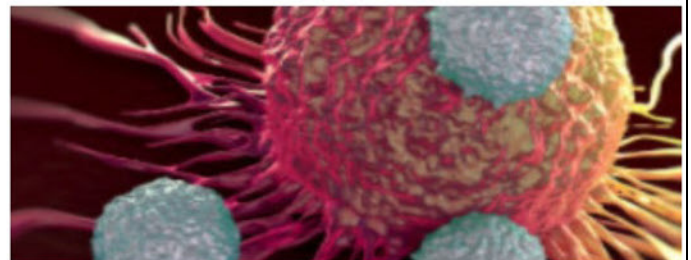
Cunningham Panel

AONM is now a partner of Moleculera Labs in Oklahoma, US. Moleculera Labs is a pioneer in developing and offering advanced testing services that assist clinicians in identifying whether an individual's neurological and/or other symptoms could be caused by an autoimmune dysfunction. Obsessive compulsive disorder (OCD), tics, anxiety, attention deficit hyperactivity disorder (ADHD), and sometimes behaviours associated with Autism Spectrum Disorders have been found to be caused by a treatable autoimmune condition, triggered by common infections.

Please contact AONM if you would like to conduct the Cunningham Panel, we can supply the kit and advise you on every aspect of testing and the logistics involved: Please contact:

cunninghampanel@aonm.org

the number of live circulating cancer cells (CCCs) without any fixation, isolation or enrichment and also identify the sensitivity of a patient's specific cells to chemotherapy and to natural agents.(1)



Maintrac has a list of natural agents they suggest (based on evidence of their effectiveness both in the past, and on the scientific literature), but can also test any natural (apoptotic) agent sent in by the therapist/patient. She also talked about nurturing "tumour spheres" from a patient's CCCs, and their ability to identify stem cell markers within these spheres (2). These tumour spheres appear to be the most virulent of all, and able to form distant metastases. They have been found to be particularly sensitive to curcumin. A test for them has only just recently become available, "Stemtrac".

A further guest speaker was Dr. Rosy Daniel, who gave an extensive overview about how to navigate your way through integrative cancer care, with details

Footnotes: (1) (cf e.g., Pachmann et al, "Chemosensitivity Testing of Circulating Epithelial Tumor Cells (CETC) in *Vitro*: Correlation to in *Vivo* Sensitivity and Clinical Outcome", https://file.scirp.org/pdf/JCT_2013042213045414.pdf),

(2) Tumourspheres growing from peripherally circulating tumourcells exhibit stem cell features" Pachmann et al, 2014, http://cancerres.aacrjournals.org/content/74/19_Supplement/1931

of the tried and tested complementary therapies and how to get the “best of both worlds”, combining conventional with alternatives approaches.

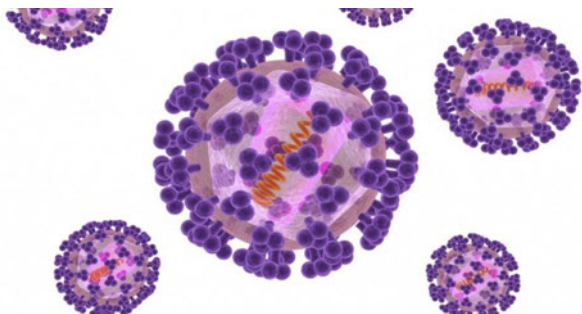
Dr. Rajendra Sharma spoke about “Integrated cancer care and the role of mitochondria”. He covered the vital importance of the mitochondria in the development of cancer, and what can make them fail. His observations from clinical practice over the years are that 75% of cancer patients have abnormal ATP production, 80% have mitochondrial adducts, 50% have mitochondrial-associated lipid oxidation, and over 90% have DNA adducts, He suggested tests that might be run, and outlined the tailored therapeutic support he offers.

Dr. Armin Schwarzbach talked about “Infectious pathogens and cancer: the emerging evidence,” with links to studies/articles in peer-reviewed scientific journals on the correlation between bacterial and viral pathogens and cancer.

Please click on this link for all presentations:
<https://aonm.org/aonm-conference-how-precision-medicine-is-changing-cancer-therapy/>

This was a fascinating day with numerous innovative insights, and we hope to have another seminar with the same team very soon.

3. Arminlabs: New viral, parasite and immune tests now available



ArminLabs now offers new viral tests for tick-borne encephalitis, Parovirus 19, and further species of enterovirus such as Echovirus. New parasite tests are also available: Leishmania, Echinococcus, Taenia solium, Entamoeba histolytica, Toxocara canis, and Trichinella spiralis. Arminlabs also offers special immunodiagnostic tests: zonulin, TNF-alpha, Interleukin 6, Interleukin 2 Receptor antibodies, and can now also test for biotin. Please contact the AONM Helpline for further details:

Event on March 6th

Dr. Schwarzbach gave a talk on March 6th where he discussed basic testing and panel information, the

CD3 and CD57 markers, and tailored testing protocols for Fibromyalgia, ME, Degenerative Disorders, EDS, MCAS, and PANS/PANDAS.

Please see this link for the presentation:

<https://aonm.org/armin-labs-testing-the-basics/>

4. New NICE guidelines on Lyme Disease

New guidelines on diagnosing and managing Lyme Disease were published in April 2018:

<https://www.nice.org.uk/guidance/ng95>

They aim to “raise awareness of when Lyme disease should be suspected and ensure that people have prompt and consistent diagnosis and treatment.”

The Chair of the Royal College of Gps, Professor Helen Stokes-Lampard said, “The College is involved in pioneering work to develop our understanding of Lyme disease and shape policy around this condition. We have also worked with Lyme Disease Action to produce an excellent e-learning course for GPs on treating Lyme disease, supporting them to recognise the signs, and prescribe appropriate treatment for patients.”

The e-learning course for GPs is at the following link (only available on registration):

<http://www.rcgp.org.uk/learning/online-learning/ole/lyme-disease.aspx>

5. Upcoming events



PANS/PANDAS and Associated Disorders

Saturday 12th May

Holiday Inn London Regent's Park

Carburton Street

London W1W 5EE

9.30 - 5.30

Professionals: <https://pandas-pans-full-day-seminar.eventbrite.co.uk>

(please email

info@aonm.org for password), or general public:

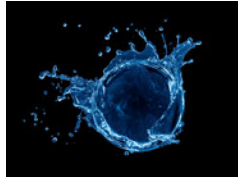
<https://pandas-pans.eventbrite.co.uk>



AONM ANNUAL INTERNATIONAL CONFERENCE 18 NOV 2018

Bursting the Bubble:

Challenging the misconceptions and misdiagnoses of neuropsychiatric and pathogen-triggered disorders.



Holiday Inn London Regent's Park
Carburton Street, London W1W 5EE
9.00 - 6.00 pm
<https://bursting-the-bubble.eventbrite.co.uk>

13th Invest in ME Conference



This thirteenth international research conference provides a platform for the latest and most promising biomedical research into ME. Professor Ron Davis will be a huge highlight, among many other highly renowned speakers from around the world.

June 1st, Birdcage Walk, Westminster, London
<http://www.investinme.eu/IIMEC13.shtml>



Courses with the Klinghardt Institute
www.klinghardtinstitute.com

- April 29th** Advanced ART Course with Dr. Klinghardt
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- June 10th** Chronic Illness: Causes, Diagnosis and Biological Treatments
- June 23rd/24th** ART Beginners Theory and Practice
- July 15th - 20th** Summer Healing Retreat 2018

LYME DISEASE AWARENESS CONFERENCE

by Global Natural Healthcare Trust UK
Scottish Lyme Disease Awareness Conference
Friday 18 May 2018
The Caledonian Exchange [5th Floor], Canning Street, Edinburgh EH3 8HE

Hosted by Lindsay's Solicitors
Speakers include:
Peter Bunyard MA FLS, Author/Scientist
Dr Armin Schwarzbach MD PhD, Internationally Acclaimed Lyme Disease Specialist
Dame Commander Annette Montague-Thomas, Charity Founder and Registered Medical Herbalist



Spotlight on the Gut
BSEM Practical Training Day
Friday 18th May 2018 9:30 am - 5.00 pm
Hallam Conference Centre, London
For further details, please contact the BSEM on <http://www.bsem.org.uk/>

Tick-borne Diseases Symposium 2018
Hosted by Vis-A-Vis Symposiums.
Lyme disease in the UK - Epidemiology, Diagnosis and Management
Friday July 6th 2018
Attendance is free. Refreshments provided.
Target audience, NHS Consultants/GP's, NHS Healthcare Professionals Scientists, Researchers.
For further details and to register your interest please email info@visavissymposiums.org



The Integrative Healthcare and Applied Nutrition Summit has highly renowned speakers on exciting topics: Dr. Deanna Minich on “full-spectrum eating”, Dr. Kiran Krishnan on the surprising brain, mitochondria and neurons, and Garner Thomson on how language changes your brain.
June 30th, 9.30- 5.30
155 Bishopsgate London
<https://www.ihcansummit.co.uk/>



International Conference on Chronic Pathologies
2018 Sept 7th – 9th
Workshops dedicated to case studies and practical protocols, with Dr. Louis Teulières, Dr. Ronald Stram, Dr. Armin Schwarzbach and many other renowned international speakers.
ALM
Filip Williotstraat 9, 2600 Berchem, Belgium
<https://chronic-pathologies.com/>

