



**Bursting the Bubble:
Challenging the Misconceptions and
Misdiagnoses of
Neuropsychiatric and Pathogen-Triggered
Disorders**

Decades of Harmful Lyme Propaganda Revealed & Overturned in ICD11

Jenna Luché-Thayer



Biotoxin Illness:

Neuropsychiatric Impact, Brain Imaging, and
Integrative approach to Treatment



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Biotoxin Illness

Genetically susceptible people (24% approx.) unable to naturally detoxify themselves of toxins. Their body is unable to recognize biotoxins as invaders. The biotoxins sit and wait for a trigger. Once a trigger is introduced, the result can be a variety of illnesses and then potentially chronic issues that mimic other diseases. A triggered genetic response more often than not develops into chronic inflammatory response syndrome (CIRS).



Evolution of Lyme Borreliosis Complex: Discoveries and Evaluation in Treatment

Revelations, Intuition and Roadblocks

ACADEMY OF NUTRITIONAL MEDICINE
NOVEMBER 18TH, 2018

Jemsek 
SPECIALTY CLINIC

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The Somatisation of ME Patients in the UK:

How Many are Actually Suffering from Infections?

Somatization, a tendency to experience and communicate somatic distress in response to psychosocial stress and to seek medical help for it, poses a major medical, social, and economic problem. It is most often associated with depressive and anxiety disorders and constitutes the core of somatoform disorders. Its persistent form is especially costly and difficult to prevent and manage. The author discusses the prevalence, clinical manifestations, etiology, and treatment of somatization and presents a critical review of somatoform disorders. (Am J Psychiatry. 1988 Nov;145(11):1358-68.

Unlocking Neuropsychiatric Disease In Children: PANDAS and PANS

Madeleine W Cunningham, Ph.D.
University of Oklahoma Health Sciences Ctr



Somatopsychic, Psychosomatic or Multisystem Illness

Bursting the Bubble: Challenging the
Misconceptions and Misdiagnoses of
Neuropsychiatric and Pathogen-Triggered
Disorders: AONM

Robert C Bransfield, MD, DLFAPA

**Schizophrenia, Bipolar, ASD/Autism, Anxiety/Panic Attacks,
OCD, PANS/PANDAS ... :
Tailored Testing Protocols**
Holiday Inn Regents Park, 18th November 2018, London, UK

Armin Schwarzbach MD PhD

Specialist for Laboratory Medicine

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Speaker Panel : Additional Special Guests



DR. TIM UBHI, BSc(Hons) MB ChB MRCP FRCPCH is a consultant paediatrician & fellow of the Royal College of Paediatrics & Child Health. He founded the Children's e-Hospital (www.e-hospital.co.uk) in 2015.



PROFESSOR LEONA GILBERT, Ph.D is Docent, Associate Professor in Cell and Molecular Biology at the Department of Biological and Environmental Science at the University of Jyväskylä in Finland.



PROFESSOR MALCOLM HOOPER is a British pharmacist and Emeritus Professor of Medicinal Chemistry at the University of Sunderland. He is best known for his advocacy related to Gulf War Syndrome and M.E.



Ms JOAN CRAWFORD is a Chartered Counselling Psychologist. She currently works in an NHS Chronic Pain Management service at St Helens Hospital, and in her own private practice.

Neuro-degenerative/Neuro-developmental/Neuro-immune Disease:

Mechanism(s) of Pathogenesis

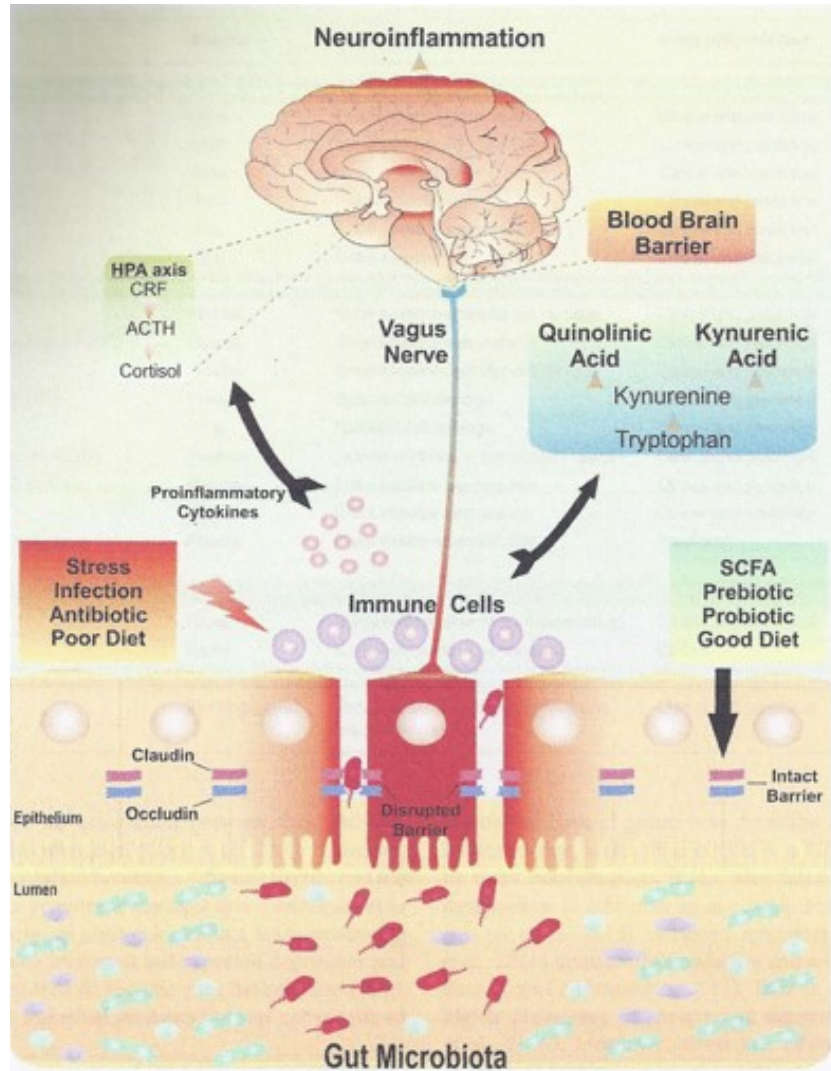
- Acute and Chronic Neuro-inflammation
- Gut Dysbiosis
- Microglia Dysfunction
- Mitochondrial Dysfunction
- Metabolic Dysfunction
- Molecular Mimicry

HYPOTHESIS

- ***Acquired Endocannabinoid Immune Deficiencies/Dysfunction
Caused by dysregulation of the Crosstalk of Purinergic,
Endocannabinoid, Stem cell, and Immune signaling***

INTESTINE : THE FIRST BRAIN?

a Complex Ecosystem harboring Dense and Diverse Microbial Community key to Maintaining Health



Intestinal Microbiota: Important Player:

- Metabolic and Nutritional Homeostasis
- Immune system maturation
 - Brain activity
- Dysbiosis = Loss of Balance = Disease
- Perturbation Host cell Microbiota Cross talk
 - Initiating or reinforcing Neuroinflammation

Most Studied Categories of Metabolites;

1. Short Chained Fatty acids bacterial fermentation of fibers
2. Bile acids in liver transformed by microbiota
3. Tryptophan (Trp) metabolism
4. Endocannabinoids (Phytocannabinoids)



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Contents lists available at ScienceDirect

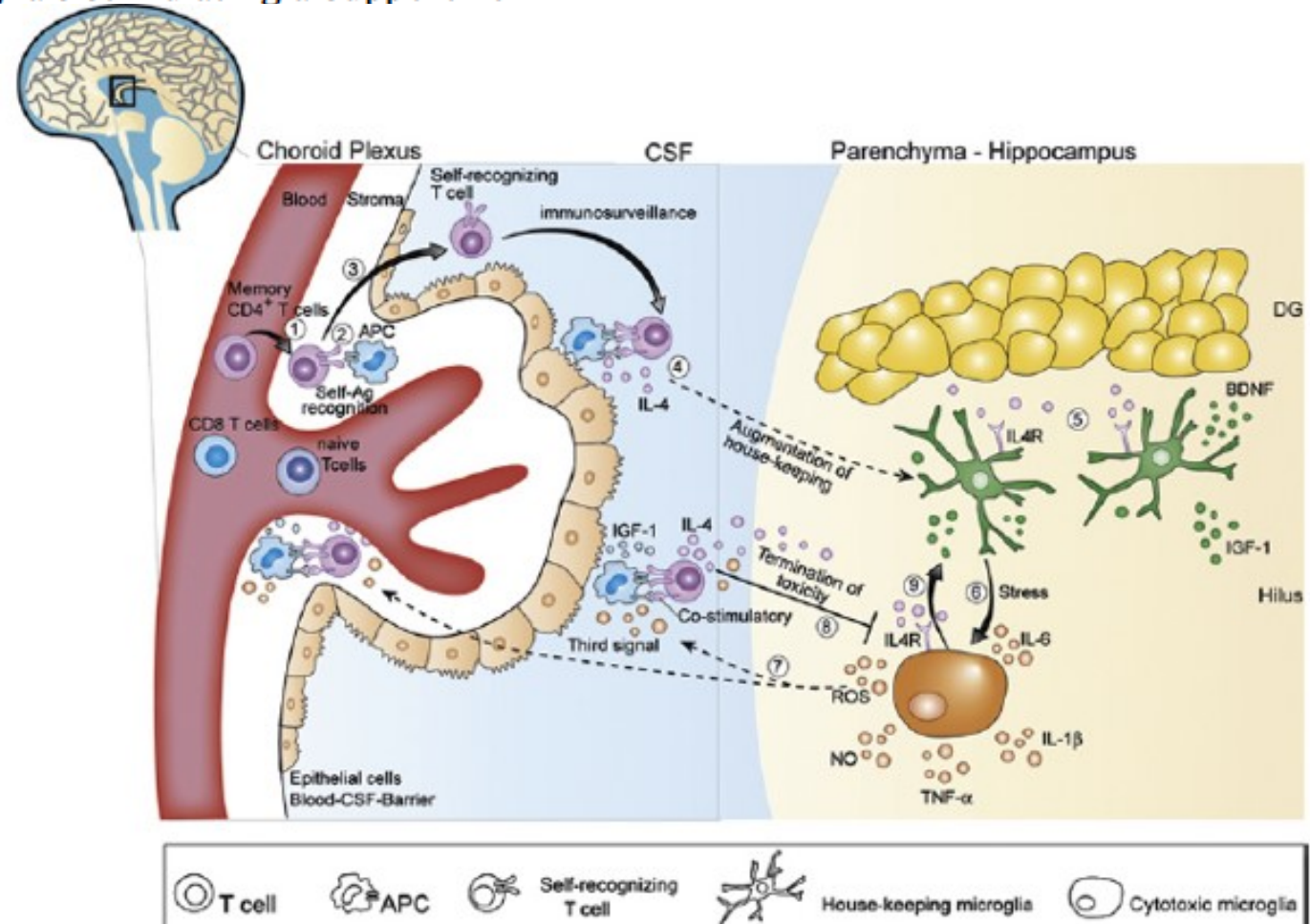
Brain, Behavior, and Immunity

journal homepage: www.elsevier.com/locate/ybrbi

Brain homeostasis is maintained by “danger” signals stimulating a supportive immune response within the brain’s borders

Noga Ron-Harel, Michal Cardon, Michal Schwartz *

Department of Neurobiology, The Weizmann Institute of Science, Rehovot 76100, Israel



The Human Endocannabinoid System (eCS)

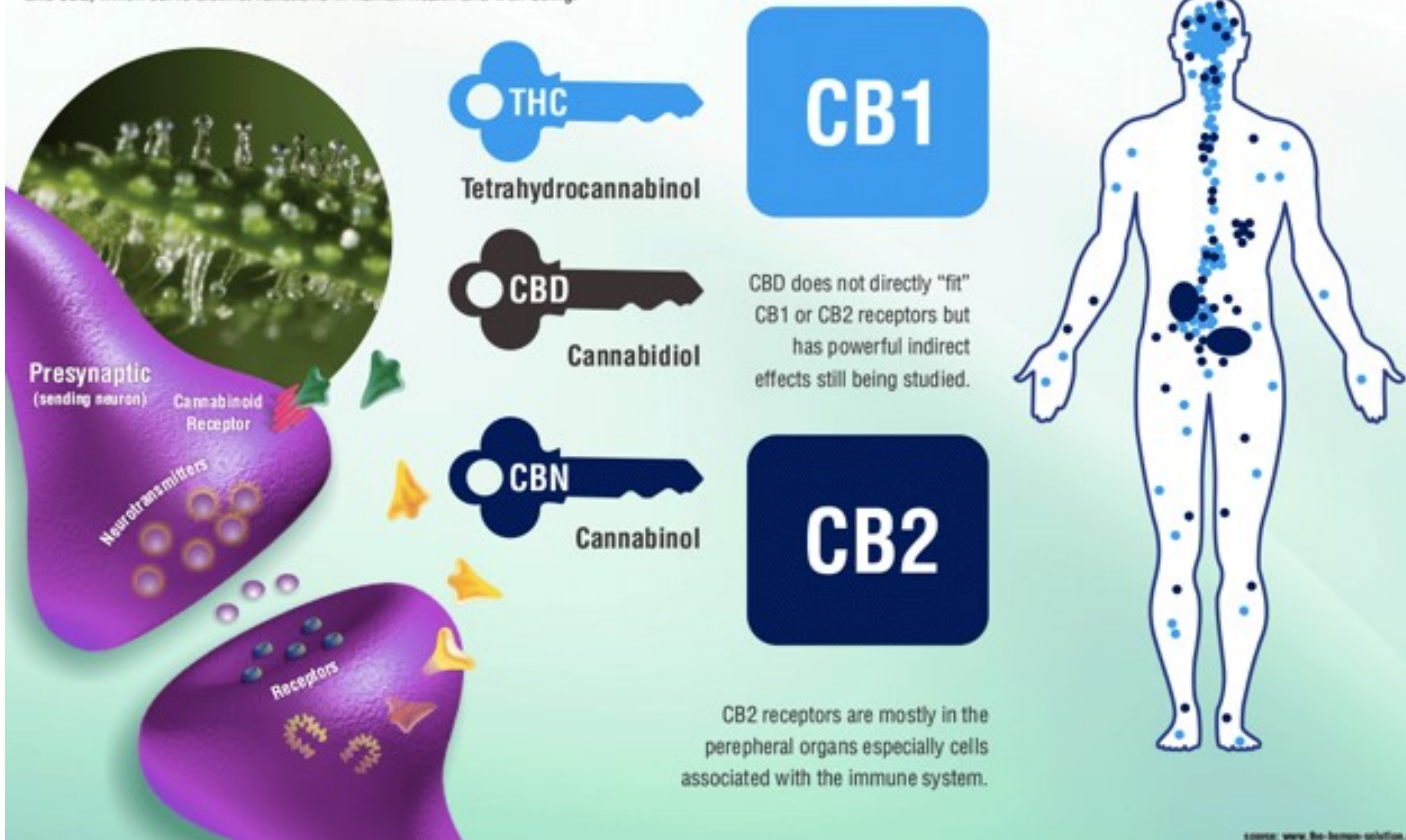
Key Regulator of stem cell development & Immune Homeostasis

CBD, CBN and THC fit like a lock and key into existing human receptors. These receptors are part of the endocannabinoid system which impact physiological processes affecting pain modulation, memory, and appetite plus anti-inflammatory effects and other immune system responses. The endocannabinoid system comprises two types of receptors, CB1 and CB2, which serve distinct functions in human health and well-being.

CB1 receptors are primarily found in the brain and central nervous system, and to a lesser extent in other tissues.

Receptors are found on cell surfaces

A signaling system that helps to modulate all other physiological, behavioral, and energetic processes in the body.



- *neuroprotection & plasticity*
- *immunity & inflammation*
- *apoptosis & carcinogenesis*
- *pain and emotional memory*
- *Supports detoxification:*
 - *repairs Fibrosis*
 - *fatty Liver disease*

Anxiety
Depression
Sleep Disorders
Pain
Itch
Wound healing

Endocannabinoids Dampen Tissue Injury to Prevent Progression of Neurodegenerative Disease and Cancer

