

# LEBANON COLLEGE SEMINAR ANNOUNCEMENT

Tuesday Feb 9<sup>th</sup>, 2010; Amphitheater Lecture Hall at Lebanon College  
3:00 P.M. 15 Hanover Street  
Lebanon, NH 03766

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Faculty – Students – Guests Invited

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Current Experimental Research Findings on the Cause and Treatment of Parkinson's Disease:

## Manganese, Iron, and Calcium - - and relationship to Mitochondria

Dr. G.C. Vezzoli, B.S., M.S., PhD

Core Professor of Physics and Mathematics, Lebanon College and.

Chief Scientist, Carbon Bio-Engineers Corp, (Start-up), Oahu, Hawaii

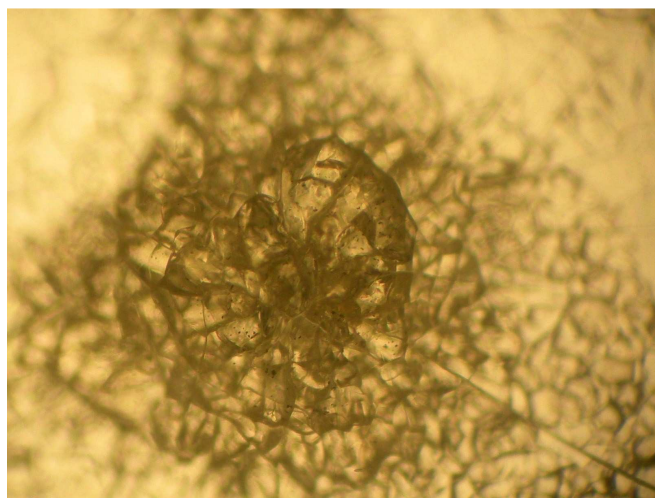
Senior Consulting Physicist, Institute for the Basic Sciences, West Windsor, VT



Original experimental data and interpretations will be presented showing that excess manganese and excess iron in the Substantia Nigra of the brain are the principal chemical causes of Parkinsonism, and that the eventual ineffectiveness of L-Dopa treatment is due to the influx of calcium ions into regions of deficient dopamine. Supporting clinical trial data will be given. Connections will be made to the role mitochondria dysfunction associated with Parkinson's disease

A discussion period will follow the presentation.

Refreshment will be provided.



*Rosette-medallion crystal developed from tyrosine- manganese -calcium interaction interfering with dopaminergic pathway.*

Important results will also be presented from the XVIII World Congress on Parkinson's Disease and Related Disorders (Dec 13-16, 2009, Miami Beach) where the speaker presented the above work.

**The Speaker wishes to acknowledge:**

**Experimental assistance from Lebanon College students**

**Charles Mason,**

**Joe Brullote,**

**Amanda Boyd**

**Microphotographs by**

**Sandra Smalling,**

**As well as discussions with**

**Dr. Jennifer Connors, MD.**