6th International Symposium on Mushroom Nutrition

Mushroom Nutrition: Progress and Challenges in Clinical Mushroom Nutrition

Saturday 30 October 2004 | Doubletree Hotel Sonoma Wine Country | Rohnert Park | California | 9:00am – 5:30pm

- Importance of Quality Control in Cultivation and Good Agricultural Practice (GAP) - Challenge
- Importance of Pharmaceutical Good Manufacturing Practices (GMP) in Mushroom Nutrition - Challenge
- Importance of Mushroom Assay Methodology and Toxicology Testing - Challenge
- Mushroom Nutrition as Enzyme Supplementation - Progress
- Mushroom Nutrition as Immune Nutrition - Progress

Attendance will be restricted to 200 health care professionals
Importance of Quality Control in Cultivation (GAP) and Pharmaceutical Good Manufacturing Practices (GMP) in Mushroom Nutrition.

Mushroom Nutrition Properties:
- complex polysaccharides
- enzyme activity
- superoxide dismutase activity
- impact of secondary metabolites
- fungal genomics and proteomics

Mushroom Nutrition as Adjunct Nutrition-Clinical Applications

The symposium will present research on the effect of mushroom nutrition on the health and balance of the immune system and thus the body’s ability to maintain homeostasis in the face of multiple challenges.

This immuno-modulatory action is perhaps best understood in terms of the impact of mushroom nutrition on the balance between the cellular and humoral immune responses. As these two arms of the immune system are mutually inhibitory, through the actions of cytokines produced by the so-called TH1 and TH2 cells, a strong TH2 (pro-inflammatory) immune response, such as that induced under conditions of stress or chemical exposure, will suppress the production of TH1 cytokines, which play a vital role in strengthening the cellular, immune response and thus the body’s ability to defend itself against multiple pathogens, including bacteria, viruses, fungi and carcinogenic agents.

Factors such as stress and chemical exposure thus weaken our body’s ability to defend itself, not through impairing the cellular immune response (the ability of the body to recognize and destroy foreign bodies) per se but through leading to a chronic elevation of the humoral immune response, which normally predominates in cases of local wound healing.

An alternative rationale for mushroom clinical benefits is an up-regulation or direct enhancement of the dendritic cell lineages that often initiate the immune response. Activated dendritic cells orchestrate a coordinated and phased immune response that incorporates the T cells, B cells, and killer cells into an effective whole. This symposium will explore all candidate mechanisms for mushrooms clinical benefits.
Dr. Parris Kidd (Ph.D)
El Cerrito, California, USA

Mr. J ohn Guardino (M.Sc.)
Gourmet Mushrooms, Sebastopol, California, USA

Mr. Tom Chapman (Pharmacist)
Essential Nutrition Ltd.
Brough, United Kingdom

Dr. Chris Newton (Ph.D)
Cytogenex Ltd., Kingston-upon-Hull, United Kingdom

Dr. Parris Kidd (Ph.D)
El Cerrito, California, USA

Dr. Jonathan Collin (MD)
Luton, United Kingdom

Mr. Christopher Hobbs (A. Lac.)
Institute of Natural Products, Davis, California, USA

Prof. Amin Kamali (Ph.D)
Instituto Superior de Engenharia de Lisboa (ISEL)
Biotechnology Section-Lisbon, Portugal

Mr. Martin Powell (Dip. Ac.)
Natural Health Centre
Luton, United Kingdom

Dr. Parris Kidd (Ph.D)
El Cerrito, California, USA

Key Speakers

Dr. Parris Kidd (Ph.D)
Introduction: Issues in Mushroom Nutrition as Clinical Nutrition
30 minutes

Mr. J ohn Guardino (M.Sc.)
Key Aspects of Quality Control in Fungi-Based Immunonutrition
20 minutes

Mr. Tom Chapman (Pharmacist)
Production-Cultivation to Good Manufacturing Practices (GMP)
20 minutes

Dr. Chris Newton (Ph.D)
The Challenges of Testing Fungal Products within a Pharmaceutical GMP Environment
20 minutes

Dr. Parris Kidd (Ph.D)
30 minutes

Coffee Break

Dr. Jean Mono
Breakspear Hospital, Hempel Hempsted, United Kingdom

Dr. Abraham Kryger (MD DMD)
Preventive Medicine Clinic of Monterey, California, USA

Overview on Clinical Use of Trametes versicolor (Coriolus versicolor) in Viral Conditions-Clinical Practice
45 minutes

A New Immunomodulator for Cancer: Trametes versicolor (Coriolus versicolor) Supplementation
45 minutes

Lunch

Poster Presentations

Mr. Christopher Hobbs (A. Lac.)
Overview on Clinical Use of Trametes versicolor (Coriolus versicolor) in Viral Conditions-Clinical Practice
45 minutes

Prof. Amin Kamali (Ph.D)
Mushroom Nutrition and the Delivery of Essential Enzymes (Superoxide Dismutase and Cytochrome P-450)
30 minutes

Dr. Jonathan Collin (MD)-Moderator
Port Townsend, Washington, USA

Poster Awards / Closing Comments
15 minutes

Dr. J ohnathan Collin (MD)
The Use of Ganoderma lucidum (Reishi) in the Management of Histamine-Mediated Allergic Responses - Clinical Practice
30 minutes

Roundtable discussion

Dr. J ohnathan Collin (MD) / Dr. Parris Kidd (Ph.D)
Poster Awards / Closing Comments
15 minutes

BIOGRAPHIES

Dr. Parris Kidd (Ph.D)
El Cerrito, California, USA

Dr. Kidd will review the key challenges related to the use of mushroom nutrition as clinical nutrition. Background: University of West Indies B. S. Zoology-Marine Biology University of California at Berkeley-Ph.D.-Cellular and Developmental Biology

Mr. J ohn Guardino (M.Sc.)
Mycologist Gourmet Mushrooms PO Box 601 California 95444 Fax:1-707-653-1507 Email: john@mycoopia.com Received M.S. in Phytopathology/Mushroom Science from the Pennsylvania State University in 1996. After graduation, Mr. Guardino accepted a Senior Research position in the Penn State Fusarium-Mycotoxicology Research Center investigating the biology, physiology and genetic basis of mycotoxin production in agricultural crops and stored grains. Joined the Gourmet Mushrooms in September 2001 as their staff mycologist. Mr. Guardino will provide an overview of the complex aspects of mushroom cultivation and maintenance of cultures in controlled environments. In addition, Mr. Guardino will provide an overview of the importance of Good Agricultural Practices (GAP), and the interface of pharmaceutical GMP as this applies to mushroom tablet preparation.

Dr. Christopher Newton (Ph.D)

Dr. Newton will present Genomic and Proteomic Technology used as a means to establish a Quality Control tool and also to help in the elucidation of the mode of action of mushroom nutrition.
on tumour cells and the immune system. 

Amin Karmali  
Professor A min Karmali-Biotechnology Research, Instituto Superior de Engenharia de Lisboa.Rua Conselheiro Emídio Navarro, 1900- Lisboa. Tel:00-351-21-833-7022 Fax:00-351-21-833-7267 Email: akarmali@isel.ipl.pt

Professor Karmali will provide an overview of the in vitro presence of various active enzymes and superoxide dismutase (SOD) inhibition by the biomass of mushrooms as Coriolus versicolor, Cordyceps sinensis and Ganoderma lucidum (Reishi).

Background: 
1980 BSc. (with Honours) in Biology and Chemistry – Polytechnic of North  of Portugal.

Mr. Martin Powell  
BSc. Biochemistry. L. A. C. Natural Health Centre
Luton, United Kingdom Tel: +44-1582-418-886 / (Email: purehealth@zetnet.co.uk ) Mr. Powell is a Traditional Chinese Medicine (TCM) practitioner who lectures on TCM at Westminster University. Mr. Powell will present a case study on the use of Ganoderma lucidum (Reishi) supplementation in the management of histamine-mediated allergic responses.

Background: 

Mr. Christopher Hobbs  
Institute of Natural Products 644 Millie Drive Davis, California, 95616 Email: ch@christopherhobbss.com

A author of Medicinal Mushrooms: A n Introduction to Traditional, Healing & Culture, Mr. Hobbs is an internationally-renowned fourth generation herbalist and botanist with over 35 years experience. Mr. Hobbs writes and lectures internationally on herbal medicine and is presently working towards a Ph.D. in pharmacology and toxicology. Mr. Hobbs will provide an overview on the use of Trametes versicolor (Coriolus versicolor ) in Traditional Western and Chinese Medicine. Finally, Mr. Hobbs will outline the clinical use of Trametes versicolor in various viral conditions.

Background: 
Licensed acupuncturist, clinician; Integrated practice, Sutter Health, Davis, California A author of 25 books on herbal medicine, including coauthor on the recently-released Pocket Guide to Herbal Medicine (Theime Medical Publishers) and The Peterson Field Guide to Medicinal Plants of the Western U.S. (Houghton-Mifflin)

Dr. Abraham Kryger MD., DMD  
Montery Preventive Medicine Clinic California USA A Email: wellnessmd@earthlink.net A board certified family practitioner and preventive medicine specialist, Dr. Kryger’s interest in mushroom nutrition commenced with a Stanford Internship (1973 to 1974). Since then his medical practice includes clinical research on immune stimulation with mushrooms, leading to his filing an IND with the FDA to investigate the use of Lentinan (extract of Lentinula edodes) in cancer care in the 1980’s. His practice includes treatment for hormonal imbalances and sexual dysfunction, nutritional evaluations and appetite disorders. For the past five years Dr. Kryger has been a medical advisor to Ironman & thele Chief, Hawkins (Kona Ironman Champion for the past four years). Dr.Kryger will provide an overview of the use of Trametes versicolor (Coriolus versicolor) in cancer care as immune nutrition. He will outline specific clinical protocols for the use of mushroom nutrition in cancer care.

Background: 
University of Manitoba (1969) DMD University of Manitoba (1973) MD

Dr. Jean Munro MD  
Senior Scientist Max Planck Institute, Munich. Demonstration of ligand-independent activation of steroid receptors. 1997-2002 Lecturer, University of Hull. 2002 Founder Cytogenex, a biotech consulting company established to undertake Molecular and Cell Biology studies.

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