TOPIC – 5:  
Phenolics and Health

Guest lectures:

Dr. Kristiina Wähälä, University of Helsinki, Finland  Phytoestrogens in drug discovery

Dr. Denis Barron, Nestlé, Switzerland  Recent advances in the chemical synthesis and the biological activity of polyphenol metabolites

Other communications:

A Plant Polyphenol - Rich Extract Inhibits Lung Injury In Mice Induced By Influenza Virus Infection

Phenylpropanoids of medicinal plants are perspective sources of neurotropic phytopreparations

Treatment of osteoarthritis with polyphenols

Bioactivity driven fractionation of pomegranate juice and characterization of its phenolic composition by mass spectrometry.

A novel approach of proteomic analysis to study the neuroprotective activity of the iron chelator, green tea polyphenol (-)-epigallocatechin-3-gallate

Antiproliferative effect of polyphenols and sterols of virgin argan oil on human prostate cancer

A human study to evaluate bioefficacy of fruit juices to increase antioxidant activities in body fluids

Quercetin stimulates energy catabolism related pathways

Polyphenols of Tea Plant Camellia sinensis L., Useful and Undesirable

Oral Administration of Apple Procyanidins Inhibited Ultraviolet-B Induced Pigmentation in DBA/2 Mouse

Can polyphenols protect organs against damage caused by Diabetes and hypercholesterol?'

Development of theaflavin derivatives as anti-HIV microbicides for preventing sexual transmission of HIV

Blood Pressure Lowering Action of Active Principle from Ocimum basilicum

Phytochemical and pharmacological investigation of some medicinal plants containing flavonoids

The analysis of apoptosis mechanism by the apple procyanidins in the mouse mammary tumor cells

New methodology to develop an active ingredient rich in stilbenoid oligomers from Vitis vinifera for skin care

Olive Mill Waste Biophenols: Chemistry and Bioactivity

Olive oil phenolics suppressed in vitro invasion of HT115 colorectal carcinoma cells

Influence of tannin molecular weights on growth inhibition of Campylobacter spp.

Antimicrobial effects of tannins against Campylobacter spp. in solid and liquid growth media
Antioxidative activity of polyphenolic compounds isolated from *Globularia alypum* L.

Structure–activity relationship

Anticancer and Anti-inflammatory Properties of Hydroxycinnamic Derivatives

Induction of Apoptotic Cell Death by Polyphenolics from leopard plant (*Farfugium japonicum*) leaves.

Impact of the ingestion of fruit and wine polyphenols on the development of atherosclerosis in apoE deficient mice: histological and transcriptomic study.

Urinary excretion of bioactive compounds and several of their metabolites after consumption of sea buckthorn juice in young healthy volunteers

Phenolic profile and antioxidative properties of the beefsteak fungus *Fistulina hepatica*

A Structure-Activity Study of Ferulic Acid and its Ester Derivatives

Production of Hydroxytyrosol Triacetyl Derivative from Olive Mill Waste Waters and Its Antioxidant Effects in Human Cells

Curcumin Inhibit WEHI-3 Leukemia Cells in Blab/C Mice In Vivo

Polyphenolic profiles and antioxidant activities of heartnut (*Juglans ailanthifolia var. cordiformis*)

Effects of Polyphenol on UV-induced tyrosinase and the pigmentation in cells.

Antioxidant properties of anthocyanins and anthocyanin-derived pigments: structure-activity relationship.

*Xanthohumol strongly inhibits growth and survival of human leukemia cell lines via downregulation of the Akt and NF-kB pathways.*

Phenolic Profile and Anti-inflammatory Activity of *Cymbopogon citratus* Infusion

HPLC Analysis of Coniferyl Alcohol on *Linum scabrinerve*

Stabilization of polyphenols from Edelweiss (*Leontopodium alpinum* Cass.) by “thermal coacervation in emulsion”

Physiological active compound in petals of sweet pea (*Lathyrus odoratus* L.) flower

Effects of Berberine by Oral Administration on Distribution and Metabolism of 2-Aminfluorene in Sprague-Dawley Rats

Implication of CYP450 stabilization in the evaluation of *in vitro* antimutagenicity of the herbal teas, *Cyclopia spp.* (honeybush) and *Aspalathus linearis* (rooibos) and selected polyphenols

Tronchuda cabbage (*Brassica oleracea* L. var. costata DC) seeds: phenolic compounds and antioxidant potential

*Ni-colon cancer properties of a raspberry extract obtained after simulated gastrointestinal digestion*  
Neuroprotective effect of red wines from different grape varieties

Biological activity of extra virgin olive oils with different content of Minor Polar Compounds on platelet aggregation and homocysteine plasma levels in rats

Inhibition of NF-κB by dietary polyphenols leading to apoptosis and decrease of inflammation in human Caco-2 cells
Correlations between fresh fig (*Ficus carica* L.) color and anthocyanin content, antioxidant activities and melanoma cell viability.

Antioxidant properties of four Amazonian plants: an *in vitro* study

Structure – activity – relationships of flavonoids using by the three kinds of assays, fungi, plants and animal cells.

Bioassay-guided purification and identification of antimicrobial components in Chinese green tea extract

Selective Induction of G2/M Arrest and Apoptosis in HT-29 Cells by Cantharidin

Lignan phyto-oestrogens inhibit the progression of prostate cancer *in vitro*

*Rumex induratus* leaves: phenolic compounds and antioxidant capacity