Frontiers in Cancer Prevention: Fulfilled Promises, Translational Challenges and Future Directions – conference program

Wednesday, June 24, 2015

5:00 pm

Opening Ceremony

5:15 pm – Keynote lecture – Silvio De Flora (University of Genoa, Italy): Chemoprevention of cigarette smoke-induced tumors and molecular alterations.

6:00 pm

Poster session I

7:00 pm

Welcome dinner

Thursday, June 25, 2015

9:00 am–10:45 am

Session I: Mechanisms of cancer chemoprevention

Chaired by: John DiGiovanni and Jędrzej Antosiewicz

9:00–9:30 am – Adriana Albini (IRCCS “Tecnologie Avanzate e Modelli Assistenziali in Oncologia”, Italy): Angiogenesis and inflammation as target for cancer prevention.

9:30–10 am – Ah-Ng Tony Kong (Rutgers University, USA): Epigenetics of dietary phytochemicals in cancer prevention: a focus on Nrf2 mediated pathway.

10:00–10.30 am – Chinthalapally V. Rao (University of Oklahoma Health Sciences Center, USA): Targeting inflammatory pathways to prevent colorectal cancer.

10:30–10:45 am – Angelika Kaczyńska (University of Gdansk, Poland): Isothiocyanates potentiate anti-proliferative and anti-metastatic activity of lapatinib in HER2-positive breast cancer cells.

10:45 am

Coffee break

11:00 am–12:45 pm

Session II: The new molecular targets for cancer prevention and treatment

Chaired by: Chinthalapally V. Rao and Anna Herman-Antosiewicz

11:00–11:30 am – Pier-Luigi Lollini (University of Bologna, Italy): Cancer immunoprevention.

11:30–12:00 pm – Nanjoo Suh (Rutgers University, USA): Chemopreventive agents targeting cancer stem cells for novel prevention approaches.


12:30–12:45 pm – Alicja Sznarkowska (University of Gdansk and Medical University of Gdansk, Poland): TAp73 activation in cancer.

12:45 pm

Lunch
2:00 pm–3:45 pm  **Session III: Nutritional epidemiology and biomarkers of cancer prevention**

Chaired by: Rajesh Agarwal and Agnieszka Bartoszek

2:00–2:30 pm – Alicja Wolk (Karolinska Institute, Sweden): Primary cancer prevention – Is it possible? How much can we prevent?

2:30–3:00 pm – Jan Lubiński (Pomeranian Medical University, Poland): Selenium and cancer.

3:00–3:30 pm – Gillian Smith (University of Dundee, UK): Diet, lifestyle and genetic determinants of colorectal cancer risk: translational studies in Scotland.

3:30–3:45 pm – Tamara Bakuradze (University of Kaiserslautern, Germany): Coffee consumption and DNA integrity.

3:45–4:00 pm – Tomasz Chmiel (Gdansk University of Technology, Poland): Blue-berried honeysuckle, a promising cancer preventing fruit; Polish genotypes as a source of bioactive phytochemicals.

4:00 pm  Coffee break

4:00 pm  **Poster session II**

7:00 pm  Get together party

**Friday, June 26, 2015**

9:00 am–10:45 am  **Session IV: Novel approaches and targets for cancer prevention and control I**

Chaired by: Shivendra V. Singh and Wanda Baer-Dubowska

9:00–9:30 am – John DiGiovanni (University of Texas at Austin, USA): Targeting growth factor and inflammation signaling pathways for prevention of prostate cancer.

9:30–10:00 am – Xiaolin Zi (University of California, Irvine, USA): Lysine specific demethylase 1 (LSD1) as a novel target for bladder and prostate cancer prevention and treatment.

10:00–10:30 am – Chris Bakkenist (University of Pittsburgh, USA): Inhibition of ATR kinase activity for the treatment of lung cancer.

10:30–10:45 am – Sebastian Kmiecik (University of Warsaw, Poland): Web server tools for structure-based therapeutic design: modeling of protein structure, flexibility, aggregation properties and interactions.

10:45 am  Coffee break

11:00 am–12:45 pm  **Session V: Novel approaches and targets for cancer prevention and control II**

Chaired by: Rana P. Singh and Christopher Bakkenist

11:00–11:30 am – Richard L. Eckert (University of Maryland at Baltimore, USA): Type II transglutaminase regulates ΔNp63α level to control epidermal squamous cell carcinoma stem cell survival.

11:30–12:00 am – Rajesh Agarwal (University of Colorado Denver, USA): Challenges and success in basal cell carcinoma chemoprevention by small molecule silibinin.
12:00–12:30 pm – Shivendra V. Singh (University of Pittsburgh Cancer Institute, USA): Redox signaling in cancer prevention by dietary phytochemicals.

12:30–12:45 pm – Narcyz Knap (Medical University of Gdańsk, Poland): Antiproliferative effects of cyclopentenone prostaglandins in highly metastatic osteosarcoma cell line.

12:45 pm    Lunch

2:00 pm–3:45 pm  Session VI: Herbal and dietary agents in cancer prevention and treatment

Chaired by: Richard L. Eckert and Tarlochan Bhatt

2:00–2:30 pm – Sunil Kaul (National Institute of Advanced Industrial Science& Technology, Japan): Molecular evidence to the preventive and therapeutic potentials of Ashwagandha leaves.

2:30–3:00 pm – Rana P. Singh (Jawaharlal Nehru University New Delhi, India): Mitochondria – a promising target in colon cancer prevention.

3:00–3:30 pm – De-Xing Hou (Kagoshima University, Japan): Dietary polyphenols target protein kinases for cancer chemoprevention.

3:30–3:45 pm – Ewa Toton (Poznan University of Medical Sciences, Poland): Zapotin (5,6,2',6'-tetramethoxyflavone) modulates the crosstalk between autophagy and apoptosis pathways in cancer cells with overexpressed constitutively active PKCε.

4:00 pm   Afternoon sightseeing of Gdańsk

Saturday, June 27, 2015

10:00 am–13:00 pm  Satellite panel discussion – Invited Speakers