

2018 IUBMB SEOUL

24th IUBMB Congress & 15th FAOBMB Congress
June 4 (Mon) - 8 (Fri), 2018 | COEX, Seoul, Korea
Integrating Science for Bio-Health Innovation

IMPORTANT NOTICE

- Early Bird Registration deadline has been extended to **May 12(Sat)**.
- YSP Observer Fellowship Submission deadline has been extended to **May 11(Fri)**.

[FAOBMB] EC Slater Lecture



Craig B. Thompson

President and CEO

Memorial Sloan Kettering Cancer Center

USA

Exploiting the Metabolic Dependencies of Cancer Cells

Tumorigenesis is dependent on the reprogramming of cellular metabolism as both direct

and indirect consequence of oncogenic mutations. An emerging feature of cancer cell metabolism is the ability to acquire necessary nutrients from a frequently nutrient-poor environment and utilize these nutrients to both maintain viability and build new biomass. The alterations in intracellular metabolites that can accompany cancer-associated metabolic reprogramming have profound effects on gene expression, cellular differentiation and the tumor microenvironment. Cancer-associated metabolic changes can be grouped into several distinct hallmark features: (1) deregulated uptake of glucose and amino acids, (2) use of opportunistic modes of nutrient acquisition, (3) use of glycolysis/TCA cycle intermediates for biosynthesis and NADPH production, (4) increased demand for nitrogen, (5) alterations in metabolite-driven gene regulation, and (6) metabolic interactions with the microenvironment. While few tumors display all six features, most display several. The specific hallmarks exhibited by an individual tumor are improving tumor classification while ultimately directing more individualized approaches to cancer therapy.

KEY DATES

- May 10 (Thu), 2018

- Hotel Room Reservation Closes

- May 12 (Sat), 2018

- Early Bird Registration Closes

YSP Observer Fellowship

YSP Observer Fellowship Submission Deadline has been extended to **May 11**.

Observer Benefit

- Observer Fellowship offers the opportunity to observe Young Scientist Program
- Abstract book, Lunch and Dinner

Eligibility

- IUBMB SEOUL 2018 registrant

Application Deadline : May 11(Fri), 2018

- Please submit the application to iubmb2018.ysp@gmail.com by May 11, 2018.
- Results will be announced on **May 18, 2018**

For more information, please visit the conference website.

www.iubmb2018.org



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