

# New Opportunities for Hydrocolloids

Opening Symposium for the launching of the Glyn O. Phillips Hydrocolloids Research Centre at Hubei University of Technology

1st - 4th November 2010

Hubei University of Technology, Wuhan, China

## About the Symposium

China has seen remarkable growth in fundamental and applied sciences, particularly in the area of hydrocolloids and related industries. In partnership with Hubei University of Technology, Wuhan (HUT), the Phillips Hydrocolloids Research Centre, Wales is establishing a joint research centre at HUT. This will facilitate the exchange of expertise between both sides and provide access to materials in China which will enhance our work in producing hydrocolloid materials for the food and biomedical industries. To mark the official launching of the new centre, internationally renowned scientists and industrial experts are invited to talk at the opening symposium.

The Centre will be officially opened by Professor Dr Endre A. Balazs, the world's leading scientist in hyaluronan science, its production and medical applications. He was the first to produce this remarkable hydrocolloid for the treatment of arthritis, eye surgery and cosmetic use. He will also present a lecture on current developments in this field. There will be an opportunity for the producers of hyaluronan in China to meet with him and have a "Colloquium". That is, they can meet him to talk and to answer their questions about the opportunities for hyaluronan at this time.

## Who Should Attend

University academic staff and graduate students researching biopolymers and hydrocolloids and R & D managers, scientists and technical staff of indigenous and international companies either producing or applying hydrocolloids are encouraged to participate.

## Fee and Registration

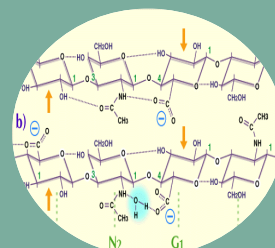
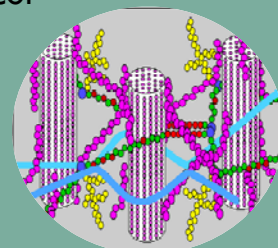
There will be no registration fee for the Seminar. For those opting to attend the Opening evening Reception and Buffet (Nov. 1) and Banquet (Nov. 2) and lunches on the two days, the charge will be \$100 USD (650 RMB).

To register, please send your contact details to:

Prof. Glyn O. Phillips: [Phillipsglyn@aol.com](mailto:Phillipsglyn@aol.com);

Dr. Yapeng Fang: [y.fang@glyndwr.ac.uk](mailto:y.fang@glyndwr.ac.uk);

Payment can be made on site. Early registration is recommended.



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## Accommodation

Participants are recommended to book their accommodations at Wuhan Zhongtian Century Hotel (武汉中天世纪大酒店): <http://www.whzthotel.com/>. Transport will be provided between the Symposium venue and the hotel. Please quote the Symposium when booking as discount rate will apply. Please send requests to the organizers if you need assistance to book the hotel.

## Travel to Wuhan

Entry visas are most likely to be required for overseas participants. Please check well before the Symposium and do send us your requests if you need an invitation letter for the purpose of visa application.

Wuhan Tianhe Airport is the largest airport in Wuhan. There are frequent flights linking it to other major cities of China such as Beijing, Shanghai and Guangzhou. Taxis are readily available at the airport which can take you to the hotel. You can show the following address in Chinese of the hotel to taxi driver: 中天世纪大酒店 (中南财经政法大学国际学术交流中心), 武汉南湖大道政院路1号。

## Symposium Programme (subject to minor changes)

### Evening Nov 1

19:00-21:00

Reception at Zhongtian Hotel

### Morning Nov 2

8:30-9:20

#### Opening Ceremony:

Address by Prof. Jianmin Xiong, President, HUT

Address by Prof. Glyn O. Phillips

Plaque unveiling by Prof. Zhengliang Zhu (General Secretary, HUT), Prof. Jianmin Xiong (President, HUT), Prof. Graeme Wilkinson (Pro Vice Chancellor, Glyndwr University), Prof. Glyn O. Phillips

Opening address: Current developments in hyaluronan therapeutic applications

Prof. Endre A. Balazs, Biology Matrix Institute, USA

9:20-10:00

Study on the structure and immune bioactivity of polysaccharides from natural products  
Prof. Mingyong Xie, State Key Laboratory of Food Science and Technology, Nan Chang University, China

10:00-10:30

Coffee and tea break

10:30-11:10

Unlocking the cellulosic matrix  
Prof. Lina Zhang, Wuhan University, China

11:10-11:50

A product is more than the sum of its part-a rheological approach  
Prof. Katsuyoshi Nishinari, Osaka City University, Japan

11:50-12:50

Lunch break

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## Symposium Programme (continued)

### Afternoon Nov 2

**12:50-13:30**

Probing molecular structure with atomic force microscopy

Prof. Vic Morris, Food Research Institute, UK

**13:30-14:10**

New polysaccharide applications with relevance to China

Prof. John F. Kennedy, Editor in Chief, Carbohydrate Polymers, Advanced Science and Technology Institute, UK

**14:10-14:50**

The emergence of food hydrocolloids in China

Prof. Jie Chen, State Key Laboratory of Food Science and Technology, Jiang Nan University, China

**14:50-15:20**

Coffee and tea break

**15:20-16:00**

25 years of food hydrocolloids — where next?

Prof. Peter A. Williams, Editor in Chief, Food Hydrocolloids, and Glyndwr University, UK

**16:00-16:40**

Adding values to agricultural products through hydrocolloids

Prof. Steve W. Cui, Agriculture and Agri-Food, Canada

**16:40-17:10**

Tour around the new research Centre

### Evening Nov 2

**19:30-21:30**

Banquet

### Morning Nov 3

**9:00-9:40**

Bioactivity of hydrocolloids

Prof. Glyn O. Phillips, Phillips Hydrocolloids Research Centre, UK

**9:40-10:20**

Characterization of hydrocolloids by reference to hyaluronan

Prof. Hongbin Zhang, Shanghai Jiao Tong University, China

**10:20-10:50**

Coffee and tea break

**10:50-11:30**

Texture design for products using hydrocolloids

Dr. Takahiro Funami, Texture Design Division, San Ei Gen F.F.I. Inc., Japan

**11:30-12:10**

Konjac glucomannan and its applications

Prof. Fatang Jiang, School of Bioengineering, Hubei University of Technology, China

**12:10-13:00**

Lunch break

### Afternoon Nov 3

**13:00-13:40**

Supergum — A new family of hydrocolloids

Dr. Saphwan Al-Assaf, Phillips Hydrocolloids Research Centre, Glyndwr University, UK

**13:40-14:20**

Immunomodulatory activity profiles of certain algal polysaccharides

Prof. Phoency Lai, Providence University, Taiwan

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## Symposium Programme (continued)

**14:20-14:50**

Coffee and tea break

**14:50-15:30**

Chemical modification of cellulose

Prof. Jinping Zhou, Wuhan University, China

**15:30-16:10**

Emulsions: formation, homogenization, and stability measurements

Dr. Jesus Cirre, Phillips Hydrocolloids Research Centre, UK.

**16:10-16:50**

Concluding lecture: looking into the future of our new research centre

Dr. Yapeng Fang, Research Director, Phillips Hydrocolloids Research Centre at HUT

### **Morning Nov 4**

**9:00-13:00**

Social programme: Sightseeing at East Lake

