

# Russia-Taiwan Symposium on Bilateral Cooperation in Biotechnology of Plant Cell Cultures

## 台俄雙邊植物細胞培養生物科技 合作研討會

2010/6/4(五) 6/5(六) 中國醫藥大學立夫教學大樓103講堂

### 辦理單位

主辦單位：中國醫藥大學 協辦單位：國科會生命科學研究推動中心、國立清華大學生命科學院

承辦單位：中國醫藥大學生物多樣性研究中心、藥學院中藥資源學系

### 研討會議程

2010年6月4日（星期五）

Time	Topic	Speaker	Speaker Info
8:30~9:00	Registration		
9:00~9:20	Opening	Chair Prof. Chang-Hung Chou 周昌弘院士	Academician, Academia Sinica, Director, Research Center of Biodiversity, China Medical University
9:20~10:00	Plant biotechnology studies in the Institute of Biology and Soil Science: possible points of cooperation with Taiwanese colleagues	Prof. Victor Bulgakov	Corresponding member of RAS, Head of Biotechnology Dept. The Institute of Biology and Soil Science, FEB RAS*
10:00~10:30	Herb-based functional foods: from laboratories to the market	Chair Prof. Hsin-Sheng Tsay 蔡新聲講座教授	Dean College of Science and Engineering, Chaoyang University of Technology
Coffee Break			
10:50~11:10	Genetic control of ginseng plants during long-term in vivo and in vitro cultivation	Dr. Olga Koren	Leader researcher of Biotechnology Lab., Scientific secretary of IBSS, FEB RAS*
11:10~11:30	Isolation and functional characterization of three ethylene response factor genes from <i>Bupleurum kaoi</i>	Prof. Tsai-Yun Lin 林彩雲教授	Professor, Department of Life Science & Institute of Bioinformatics and Structural Biology, National Tsing Hua University
11:30~11:50	Studying the ROS generation/detoxication system in plants and cell cultures. Expression of catalase, ascorbate peroxidase, III class peroxidase and superoxide dismutase genes	Dr. Galina Veremeichik	Researcher Biotechnology Lab of IBSS, FEB RAS*
11:50~12:10	Increase of active compounds in <i>Antrodia cinnamomea</i> mycelia by using activation-tagging method	Dr. Emily Chin-Fun Chen 陳靖柔博士	Assistant Professor, Graduate Institute of Biochemical Sciences and Technology, Chaoyang University of Technology
Lunch Time			
14:00~14:20	The case study of protein repairing system for plant stress tolerance	Dr. Ming-Tsair Chan 詹明才主任	Director, Academia Sinica Biotechnology Center in Southern Taiwan
14:20~14:40	Organization and instruments for 2D electrophoresis analysis of plant cell cultures in IBSS FEBRAS	Dr. Yulia Inyushkina	Researcher of Bioengineering Group of IBSS, FEB RAS*
14:40~15:00	Proteomic analysis and application of plant phloem proteins	Dr. Ming-Kuem Lin 林民昆博士	Assistant Professor, School of Chinese Medicine Resources, China Medical University
15:00~15:20	Peculiarities of Laser Confocal Microscopy of living plant cells: an experience of microscopic investigations in IBSS FEBRAS	Dr. Tatiana Gorpenchenko	Senior researcher of Biotechnology Lab of IBSS, FEB RAS*
Coffee Break			
15:50~16:10	Application of hairy root cultures on the production of camptothecines and taxoids	Dr. Cheng-Kuen Ho 何政坤組長	Leader research, Taiwan Forestry Research Institute
16:10~16:30	Engineering production of plant natural compounds using <i>Agrobacterium</i> -mediated transformation	Dr. Yuri Shkryl	Researcher of Bioengineering Group of IBSS, FEB RAS*
16:30~16:50	Production of metabolites and recombinant proteins using transgenic hairy root cultures	Dr. Wen-Te Chang 張文德博士	Assistant Professor, School of Chinese Medicine Resources, China Medical University
16:50~17:30	Discussion	Chair Prof. Chang-Hung Chou 周昌弘院士	Academician, Academia Sinica Director, Research Center of Biodiversity, China Medical University

\* FEB RAS: Far Eastern Branch of Russian Academy of Sciences 俄羅斯科學院遠東分部

2010年6月5日（星期六）

Time	Topic	Speaker	Speaker Info
8:30~9:00	Registration		
9:00~11:30	Round Table Discussion for Taiwan-Russia Bilateral Collaboration	Chair Prof. Chang-Hung Chou 周昌弘院士 Prof. Victor Bulgakov & All speakers	Director, Research Center of Biodiversity, China Medical University  Head of Biotechnology Dept. of the Institute of Biology and Soil Science, FEB RAS*
Lunch Time			

### 報名方式

網站報名：<http://mail.cmu.edu.tw/~rtsbc2010>

E-mail 報名：[rtsbc2010@mail.cmu.edu.tw](mailto:rtsbc2010@mail.cmu.edu.tw)

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