

The Fourth ASICEF Workshop on Interdisciplinary Research Topics
全法中国科技工作者协会第四届交叉科学研讨会

Session A. Molecular and Life Sciences, 9:30-10:45, Session chair: Yong CHEN

9:28-9:30

Opening address by Kuan fang Ren, President of ASICEF

9:30-9:45

Carbohydrate-Carbohydrate Interactions Involved in Cell Recognition

Yongmin Zhang

Université Pierre et Marie Curie-Paris 6, Institut Parisien de Chimie Moléculaire, UMR 7201 CNRS, 4 place, Jussieu, 75005 Paris, France

9:45-10:00

The art in the development of new drug

Liya Ju

Institut Gustave Roussy, Villejuif, France

10:00-10:15

Micro-device based diagnosis: Detection of endothelial progenitor cells and circulation tumor cells and in human blood samples

Junjun Li^a, Jian Shi^a, Dong You^b and Yong Chen^a

^aEcole Normale Supérieure, UMR 8640, 24 rue Lhomond, 75231 Paris, France ; ^bInstitut des Vaisseaux et du Sang, Hôpital Lariboisière, 8 Rue Guy Patin, 75010 Paris, France

10:15-10:30

Characterisation of the phaeodactylum tricornutum epigenomie

Xin Lin, Alaguraj Veluchamy, Leila Tirichine, Chris Bowler

Génomique Environnementale Evolutive, IBENS UMR8197, Ecole Normale Supérieure
46 rue d'Ulm 75230 Paris

10:30-10:45

HLA and cancer: From geno-susceptibility to clinical use

Liya Ju

Laboratoire Jean Dausset, Nobel Prize of HLA, Saint-Louis Hospital, Paris, France

Session B. Poster and Coffee break, 10:45-11:15, Session chair: Yong CHEN

1. Design and synthesis of a sialyl Lewisx derivative for diagnosis of cancer

Dan Lu

Université Pierre et Marie Curie, Institut Parisien de Chimie Moléculaire, UMR 7201 CNRS, 4, Place Jussieu, 75005 Paris

2. Synthesis and anticancer activities study of Glycosphingolipids

Huanhuan Qu, Matthieu Sollogoub, Yongmin Zhang

Université Pierre et Marie Curie - Paris 6, Institut Parisien de Chimie Moléculaire (UMR 7201), Batiment F74, 2^{er} étage, C. 181, 4 place Jussieu, 75005 Paris, France,

3. Biocompatible shell-cavity nano-systems designed for drug delivery

Di Cui^{1,2}, Jing Jing², Jia Lin¹, Jian-Miao Liu³, Rachal Auzely², Min-Hui Li¹

¹Institut Curie ; ²Centre de Recherches sur des Macromolécules végétales (CERMAV) – CNRS, affinité à Université Grenoble ; ³Institut de Chimie des Substances Naturelles (ICSN) – CNRS

4. Controlled Synthesis of Hierarchical and Porous Ag₃PO₄ Microcubes as Highly Efficient Visible Light Photocatalyst
Qinghua Liang, Zhi Li, Xinmin Yang
Technical Institute of Physics and Chemistry of the Chinese Academy of Sciences (CAS)
5. Impedence monitoring of cell behaviors: application of microfluidic platforms
Lianmei Jiang^{a,b}, Jianmiao Liu^c, Junjun Li^a, Jiannong Ye^b, Yong Chen^{a,d}
^a Ecole Normale Supérieure, CNRS-ENS-UPMC UMR 8640, Paris, 75005, France ; ^b Chemistry department of East China Normal University, Shanghai, 200062, China; ^c Institut de Chimie des Substances Naturelle, CNRS UPR 2301, France; ^d Institute for Integrated Cell-Material Science, Kyoto University, Kyoto 606-8507, Japan
6. Manufacturing of patterned biomaterials for cell biology and advanced tissue engineering studies
Sisi Li^a, Jian Shi^a, Li Liu^b, Junjun Li^a, Lianmei Jiang^a And Yong Chen^{a,b}
^a Ecole Normale Supérieure, UMR 8640, 24 rue Lhomond, 75005 Paris, France; ^b Institute for Integrated Cell-Material Science, Kyoto University, 606-8507 Kyoto, Japan
7. Vectorial Complex Ray Model for Light Scattering by Irregular Particle
Keli Jiang^{a,b}, Xiang'e Han^a And Kuan Fang Ren^{a,b}
^a School of Science, Xidian University, 2 Taibai Lanlu, 710071, Xi'an China; ^b UMR 6614/CORIA, CNRS - Université and INSA de Rouen, Avenue de l'Université BP 12, 76801 St-Etienne du Rouvray, France

Session C. Material and Engineering Sciences, 11:00-12:30, Session chair: Kuan fang REN

11:15-11:30

Future computing paradigms: magnetic logic and nano neuromorphic computing

Weisheng Zhao

Univ. Paris Sud 11/CNRS

11:30-11:45

Multi-channel opportunistic access: A restless multi-armed bandit perspective

Kehao Wang¹, Lin Chen¹, Khaldoun Al Agha¹, Quan Liu²

¹Laboratoire de Recherche en Informatique, Université Paris-Sud – CNRS, Orsay, France ; ²School of Information, Wuhan University of Technology

11:45-12:00

Bayesian compressed sensing in acoustic imaging for industry applications

Ning Chu^a, Ali MOHAMMAD-Djafari^a, Jos éPicheral^b

^aL2S, CNRS-SUPELEC-Paris Sud, 91192 Gif-Sur-Yvette

^bDept. SSE, SUPELEC, 91192 Gif-Sur-Yvette France

12:00-12:15

Carbon nanotube based hybrid structures: synthesis and applications

Delong He and Jinbo Bai

MSSMAT CNRS UMR8579, Ecole Centrale Paris, 92295, Châtenay-Malabry, France

12:15-12:30

Diffraction of photons by Heisenberg uncertainty in Monte Carlo ray tracing model

Yi Jia Yuan, Kuan Fang Ren, Claude Roz éand Thierry Girasole

UMR 6614/CORIA, CNRS & Université et INSA de Rouen, Avenue de l'Université BP 12, 76801 Saint Etienne du Rouvray, France

12:15-12:30

New materials of construction with little environmental impact

A. Li

Laboratory of Civil Engineering, University of Reims, France