



Chinese Culture Center  
Connecticut Chinese Language Academy



Dear Parents of CCLA Student and all CCC Members,

Connecticut Chinese Culture Center (CCC) has been organizing an “Education and Economy Forum” since September last year. We have delivered talks in the areas of education and economy for the interest of our members. We welcome your input to our forum to make it an even more successful seminar series in our community.

We are very pleased to announce the next seminar speaker Dr. Ren-He Xu, who is one of the pioneers and a leading scientist in human Embryonic Stem Cell research in the world.

This seminar is open to public.

**Title:** "Human pluripotent stem cells: a miracle advancing from bench to bedside"  
"人多能干细胞：一个由实验室走向临床的奇迹"

**Introduction:**

As we may know more breaking news and new discoveries from human pluripotent stem cell research and application have been reported since human pluripotent stem cells (hESCs) were first reported by Dr. James Thomson in 1998, and induced pluripotent stem cells (iPSCs) first reported by the Nobel laureate Dr. Shinya Yamanaka in 2006. This area of research has provided new hope for the treatment of human diseases. Dr. Xu will provide a bird view of stem cell research including concepts, history, milestones, ethics, current state, and perspectives in terms of research and applications. He will also describe our state stem cell initiative and contributions of his Connecticut State Stem Cell Core Lab in both research and services to the state. He will be open to any relevant questions from the audience.

**Time:** 9:15am to 10:15am, Sunday, June 2<sup>nd</sup>, 2013

**Location:** Auditorium, DiLoreto Hall, Central Connecticut State University (CCSU), 1615 Stanley Street, New Britain, CT (the same address as our Sunday Chinese school)

**Brief Introduction of Dr. Xu:**

**Ren-He Xu, MD, PhD**

Dr. Ren-He Xu is an associate professor of Department of Genetics and Developmental Biology, University of Connecticut Health Center, and the director of University of Connecticut-Wesleyan University Stem Cell Core. Dr. Xu's research focuses on developmental biology and therapeutic development using hESCs and iPSCs. He obtained an M.D. from South China University, M.Sc. from Central South University, China, and Ph.D. from University of Tokyo, Japan. He did postdoctoral research at Bar-Ilan University, Israel and NIH, Maryland. Before being recruited to UConn Health Center, Dr. Xu worked as a senior scientist at WiCell Research Institute, Wisconsin directed by Dr. James Thomson. Dr. Xu has published 48 research articles, reviews, and book chapters including seminal reports in top journals such as *PNAS*, *Nature Biotechnology*, *Nature Methods*, and *Cell Stem Cell*. He has obtained several patents based on these research discoveries. His stem cell core lab has derived four hESC lines and over 200 wild-type or disease-associated iPSC lines, and trained hundreds

of colleagues from Connecticut, the entire New England region, and China for hESC/iPSC culture. He has also organized a series of workshops on stem cell cutting-edge technologies such as lineage-specific differentiation, genomic analysis, iPSC derivation, and genome editing. Dr. Xu is a recipient of over \$6 million research grants and many scientific awards such as the Outstanding Scientific Advancement Award by at NIH (1997), and Award of Merit by Connecticut United for Research Excellence (CURE) (2007). He delivered seminars at many top universities, institutes as well as Chinese communities.

### 徐仁和博士

康涅狄克大学遗传与生物发育系副教授，康涅狄克大学干细胞中心实验室主任。毕业于南华大学获得医学学士学位，于中南大学获得硕士学位，于日本东京大学获得博士学位。先后在以色列巴尔·依兰大学，美国国立卫生研究院（NIH）和威斯康星大学 WiCell 研究中心历任博士后和高级研究员，于 2006 年受聘为康涅狄克大学遗传与生物发育系副教授，康涅狄克大学干细胞中心实验室主任。此前在 WiCell 研究中心师从人胚胎干细胞（hESC）之父詹姆斯·汤姆森教授。长期从事发育生物学及 hESC 和诱导性多能干细胞（iPSC）方面的研究工作，主持多项研究课题，最先发现 BMP 抑制因子和高剂量 bFGF 可维持 hESC 的自我更新和长期培养，而无需动物滋养细胞。在 *PNAS*, *Nature Biotechnology*, *Nature Methods*, *Cell Stem Cell* 等生物医学主流期刊发表论文，综述和著作 48 篇，获得多项发明专利。其干细胞中心提供干细胞技术培训数百人次，主持了依次以干细胞定向分化，基因组分析，iPSC 建系和基因编辑为主题的讲习班。成功建立了 4 株 hESC 系和 200 多株正常或与疾病相关的人 iPSC 系，为新英格兰地区和全美 50 多个实验室提供了干细胞及相关技术。迄今获科研经费 600 多万美元。获得 1997 年度美国 NIH 杰出科学进步奖，2007 年度康涅狄克科研协会（CURE）干细胞研究特殊贡献奖，2007 年度康涅狄克州蓝皮书荣誉证书。多次应邀在国际一流大学，研究所以及华人社团演讲。

Looking forward to seeing you in the seminar on June 2nd,

Connecticut Chinese Culture Center (CCC)

Forum Contacts:

Yingcui Li [ycli08@gmail.com](mailto:ycli08@gmail.com);

Raymond Guo [raymondguo27@hotmail.com](mailto:raymondguo27@hotmail.com);

David Zhang [david\\_x\\_zhang@hotmail.com](mailto:david_x_zhang@hotmail.com)