

# Controlled Release Society

(<http://www.controlledreleasesociety.org>)

The screenshot shows the homepage of the Controlled Release Society (CRS). At the top, there is a navigation bar with links for Home, Calendar, Join, My Account, and Contact Us. The CRS logo is prominently displayed on the left, with the text "Controlled Release Society" below it. A search bar and a "Log In" link are on the right. Below the navigation bar is a blue menu with categories: ABOUT US, MEETINGS, INDUSTRY, PUBLICATIONS, WEBCASTS, COMMUNITY, and CAREERS. The main content area is divided into several sections:

- Announcements:** A list of recent news items, including presentations from the 2014 CRS Annual Meeting and a call for 2015 session topics.
- From the President:** A section featuring a portrait of the president and a text block titled "Our Global and Multidisciplinary Society" describing the society's history and international reach.
- Delivery Science Delivered:** A central graphic showing a computer monitor displaying a scientific diagram titled "Construction of plasmid expressing IFN- $\gamma$ -heparin binding domain (HBD) fusion protein". Below the monitor is the text "Delivery Science Delivered Found in the CRS Webcasts".
- Inside Track:** A section featuring a portrait of Dr. Hamid Ghandehari and a text block titled "The Current State of Polymeric Drug Delivery: An Interview with Dr. Hamid Ghandehari".
- DDTR Featured Article:** A section titled "Multifunctional polyion complex micelle featuring enhanced stability, targetability, and endosome escapability for systemic siRNA delivery to subcutaneous model of lung cancer".
- Workshop, Webcasts, Newsletter, Books, LATTE:** A vertical list of links on the right side of the page.
- Animal Health Drug R&D Workshop:** A promotional banner for a workshop held in San Diego, CA, U.S.A. from November 1-2, 2014.
- POST YOUR RESUME ON THE CRS JOB CENTER:** A green banner encouraging members to post their resumes.
- Access the Best in Delivery Science:** A blue banner with the text "Join CRS".

## About CRS

The Controlled Release Society (CRS) is the premier society worldwide for delivery science and technology. CRS serves more than 1,600 members from more than 50 countries. Two-thirds of CRS membership represents industry and one-third represents academia and government.

## Mission

CRS is the international, multidisciplinary society dedicated to delivery science and technology.

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## **2014 Annual Meeting**

학회기간: July 13-16, 2014

장소: Chicago, IL

### **Selected Presentations**

#### **Innovations in Oral Drug Delivery**

Oral delivery of heparin conjugate (Youngro Byun, Seoul National Univ, South Korea)

Synergistic Effect of M Cell Targeting Peptide and Mucoadhesive Vehicle on Induction of Immune Responses in Oral Vaccine Delivery (Chong-Su Cho, Seoul National University, South Korea)

High-Throughput, Slit-Surface, Core-Sheath Electrospinning: Improving the Formulation and Dissolution of Poorly Soluble Drugs (Quynh Pham, Arsenal Medical, U.S.A.)

Mucus Penetrating Nanoparticles Improve Drug and Gene Delivery to the Gastrointestinal Tract (Katharina Maisel, Johns Hopkins University, U.S.A.)

#### **Intracellular Delivery of Nucleic Acids and Proteins**

Intracellular Delivery of Biologic Drugs (Patrick Stayton, Univ of Washington, U.S.A.)

Nucleodendrimers for Endosomal Escape (Silvia Muro, University of Maryland College Park, U.S.A.)

Wrapping Polyplex with a Monolayer of Rationally Designed Block Copolymer for Inter- and Intra-cellular Delivery of siRNA (Tuo Jin, Shanghai Jiao Tong University, China)

Attenuation of High Mobility Group Box 1 Release into Extracellular Milieu by TAT-High Mobility Group Box 1 A Fusion Protein Binding in islet cells (Dong Yun Lee, Hanyang University, South Korea)

#### **Advances in RNA and DNA Delivery**

Intracellular Signal-Responsive Carriers as New Strategy to Secure Cell Specificity in Tumor Gene Delivery (Yoshiki Katayama, Kyushu Univ, Japan)

Suppression of Notch Signaling for Rheumatoid Arthritis Therapy Using Polymerized siRNA/ Thiolated Glycol Chitosan Nanoparticles (Min Ju Kim, Korea Institute of Science and Technology, South Korea)

A Cationic Nanoemulsion for the Delivery of Next Generation RNA Vaccines (Luis Brito, Novartis Vaccines and Diagnostics, U.S.A)

Lipid Nanoparticles for Organ-specific Delivery of RNA (Heinrich Haas, Ribological GmbH, Germany)

### **Nanoparticle Based Delivery to the Brain**

Dendrimer-based Targeted Systemic Therapies for Neuroinflammation in CNS Disorders (Kannan Rangaramanujam, Johns Hopkins Hospital, U.S.A.)

Highly Compacted pH-Responsive DNA Nanoparticles Mediate Efficient Transgene Silencing in Experimental Glioma (Anthony Kim, University of Maryland School of Medicine, U.S.A.)

Amino-Functionalized Multi-Walled Carbon Nanotubes: Uptake and Transcytosis across the Blood-Brain Barrier in vitro (Houmam Kafa, King's College London, U.K.)

### **Nanoparticles in Tumor Treatment**

Nanocarrier's Function Integration and Synchronization for Cancer Drug Delivery Cascade (Youqing Shen, Zhejiang Univ, China)

Nanoparticles Targeting Pancreatic Tumor (Simona Mura, Institut Galien Paris-Sud, France)

Folate-conjugated PEG-derivatized Embelin as a Versatile Nanocarrier for the Targeted Delivery of Doxorubicin with Reversal of Multidrug Resistance (Jianqin Lu, University of Pittsburgh, U.S.A.)

Anticancer Polymeric Nanomedicine Bearing Synergistic Drug Combination (Ela Markovsky, Tel Aviv University, Israel)

Targeted Cellular Interactions of Dendron Micelles using PEG Linkers (Ryan Pearson, University of Illinois at Chicago, U.S.A.)

### **Innovations in Micro- and Nano-Based Delivery**

Oxidation- and pH-Activated MRI Agents Based on Triggered Degradation of Polymeric Nanoparticles (Adah Almutairi, Univ of California, U.S.A.)

Programmable Release of a Water-Soluble Drug from Electrospun Nanofibers for HIV Inhibition (Daniel Carson, University of Washington, U.S.A.)

Recognizable Polyacrylamide in Microbubbles for In Situ Detection of Colon Malignancy (Abraham Rubinstein, The Hebrew University of Jerusalem, Israel)

PLGA-LL37 NP Promote Wound Healing (Kiran Kumar Chereddy, Université Catholique de Louvain, Belgium)

Inactivated Polio Vaccination Using a Microneedle Patch (Jessica Joyce, Georgia Institute of Technology, U.S.A.)

### **Mini Symposia: Individualized Medicine and Theranostics**

Nanomedicines and Theranostics: Image-guided and Targeted Treatments for Individualized and Improved Interventions (Twan Lammers, RWTH Aachen, Germany)

Nanomedical Technology in Personalized Cancer Medicine (Yong-Min Huh, Yonsei University, South Korea)

A Versatile Nanoplatfrom for Systemic Delivery of RNAs (Xiaoyuan Chen, NIH, U.S.A.)

### **Future Meetings**

The 42st Annual Meeting & Exposition of the Controlled Release Society

July 26-29, 2015

Edinburgh International Conference Centre

Edinburgh, Scotland

The 43rd Annual Meeting & Exposition of the Controlled Release Society

Location and Dates to be Announced

The 44th Annual Meeting & Exposition of the Controlled Release Society

July 16-19, 2017

Hynes Convention Center / Sheraton Boston

Boston, Massachusetts, U.S.A.

### **Related Publications**

Journal of Controlled Release

Drug Delivery and Translational Research

CRS Newsletter

# 한국의약전달시스템학회 (Korean Controlled Release Society)

(http://www.krcrs.org)

“다학제간의 유기적 학문연계”를 통한  
“미래지향적 질병치료의 과학기술발전”에 기여하는  
한국의약전달시스템학회에 오신것을 환영합니다.  
Welcome to the Korean Controlled Release Society, KCRS

THE KOREAN CONTROLLED RELEASE SOCIETY, KCRS  
한국의약전달시스템학회

학회소개    공지사항    학술대회/행사    회원공간    HOME | CONTACT US

Membership Login  
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2014 학술대회 및 행사안내  
일시 : 2014년 6월 1일 ~ 5일  
장소 : 더케이 서울호텔

공지사항    MORE ▶

- ▶ 2012 KCRS Workshop for Executive Researc..    2012-05-21
- ▶ 2012 IDDS 국제심포지움 프로그램    2012-02-09
- ▶ 2011 KCRS Annual confrence 프로그램일정    2011-11-18
- ▶ 2011 KCRS Annual confrence 계획안내    2011-11-18

학회대회/행사    MORE ▶

한국의약전달시스템학회 Quick Link

- ▶ 학술대회/학회안내
- ▶ 학회 사전등록 안내
- ▶ KCRS Short Course 사전등록안내
- ▶ 학회 자료실

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samyang    삼양바이오팜

DKC Corporation    (株) 大光化学工業    www.dkchemical.com

## 학회 소개

한국의약전달시스템학회(Korean Controlled Release Society, KCRS)는 1995년 12월 창립되었으며 1996년 1월 미국 Controlled Release Society로부터 KCRS 공식 인준을 받았다.

KCRS의 설립목적은 사회일반의 이익에 공여하기 위하여 공익법인의 설립운영에 관한 법률의 규정에 따라 다학제간 연구자의 기술과 사회 문화적인 교류를 장려하고 학술지 발간이나 학술발표를 통하여 국내의 학술수준 향상에 노력하며 산학협동과 교류를 통하여 의약전달시스템 기술의 발전 및 보급에 기여하고 이의 진흥에 이바지함을 목적으로 한다.