

REGISTRATION FORM

FIFTEENTH INTERNATIONAL SYMPOSIUM ON RECENT ADVANCES IN DRUG DELIVERY SYSTEMS

Register on-line: www.drugdeliverysymposium.utah.edu
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SYMPOSIUM REGISTRATION FEE

Before Jan.13, 2011: \$695.00

Includes abstract book, hand-out
materials, continental breakfast, coffee
breaks, reception and banquet dinner

After Jan. 13, 2011: \$725.00

GRADUATE STUDENT/POST DOCS \$250.00

(Excludes reception & banquet)

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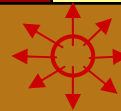
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Symposium Administrative Offices
University of Utah
Dept. of Pharmaceutics and Pharmaceutical Chemistry
Skaggs Hall #301
30 South 2000 East
Salt Lake City, UT 84112 USA
Fax: +1(801)581-3715
www.drugdeliverysymposium.utah.edu

15th International Symposium on Recent Advances in Drug Delivery Systems

Third Circular



Drug Delivery's New Directions In A New Decade



**Honoring the contributions of
Professor Sung Wan Kim, USA
February 13-16, 2011
Salt Lake City, UT USA**



- Pioneering event in the field
- New drug targeting methods
- Improved delivery strategies
- Imaging and treatment combinations
- Nanotechnology and polymer therapeutics
- RNA and gene therapeutic delivery
- Industry/government/academic crossroad

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15th International Symposium on Recent Advances in Drug Delivery Systems "Drug Delivery's New Directions In A New Decade"



THE FIFTEENTH INTERNATIONAL SYMPOSIUM ON RECENT ADVANCES

IN DRUG DELIVERY SYSTEMS

will be held at the Sheraton Salt Lake City Hotel, Utah, USA, February 13-16, 2011. Consistent with its long, rich tradition, the symposium brings together multidisciplinary researchers in the areas of pharmaceuticals, polymer and materials science, bio- and nano- technology, imaging, cell and molecular biology and medicine. The 15th Symposium's general theme – "Drug Delivery's new directions in a new decade" – will examine and connect, recognized challenges for effective drug delivery strategies – at the conceptual, systemic, host tissue, cellular and molecular levels - with innovative experiments, strategies, and solutions. Leading academic and industrial scientists and experts from North America, Europe and Asia will participate in the symposium. A diverse technical program will include a session dedicated to the productive career of Prof. Sung Wan Kim (USA) on his 70th birthday.

CALL FOR POSTERS: A dedicated Poster session provides an interactive venue for all participants to view, discuss and present their latest research results. This venue has been a highly popular and attended event feature. Those wishing to contribute a poster should visit our website for detailed instructions on submitting an abstract. Abstracts must be received prior to January 4, 2011 to be included in the final symposium program. Four outstanding abstracts will be selected for publications in the special *Journal of controlled Release* issue.

REGISTRATION: The registration fee of \$695 per person includes continental breakfast, coffee breaks, reception, banquet dinner, abstract book and all related handout materials. After January 14, 2011, registration fee is \$725. Graduate student and post doc registration is available for \$250 (excludes reception and banquet). On-site registration begins Sunday, February 13, 2011. As there are a limited number of spaces available for this symposium, your early reply will guarantee your participation. It is also recommended that airline and hotel reservations be arranged well in advanced, as February is a peak time for skiing in this area.

HOTEL RESERVATIONS: The Symposium Office has negotiated a discounted room block rate with the hotel in order to bring you competitive room rates at the Symposium Hotel Headquarters. Please use the Symposium Hotel and reserved block of rooms with the special pricing to support the Symposium! Reserve your room at the Sheraton Salt Lake City Hotel (Symposium Headquarters): \$139.00 (King/Double/Doubles) and \$159.00 (Suites) per night + taxes, by telephone (1-800-401-2000) or on line (<http://www.starwoodmeeting.com/Book/UofU>). To ensure symposium room rates, make your reservations at the Sheraton Salt Lake City Hotel before the block closes on January 21, 2011 and become eligible for a THREE NIGHTS FREE LODGING raffle. The drawing will be held Wednesday morning, February 17 prior to scientific sessions. **Further inquires should be addressed to:**

Symposium Coordinator
University of Utah
Dept. of Pharmaceutics and Pharmaceutical Chemistry
301 Skaggs Hall
30 South 2000 East
Salt Lake City, Utah
Tel: +1(801)581-7831
Fax: +1(801)581-3674
E-mail: symposium@pharm.utah.edu
Website: <http://drugdeliverysymposium.utah.edu>

PROGRAM SCHEDULE Sunday, February 13, 2011

Time	Event	Location
4:00PM	Registration	Front Lobby
6:00PM	Welcoming Reception	3 Seasons-South Ballroom

Monday, February 14, 2011

WELCOME/OPENING REMARKS

Time	Speaker	Location
8:30AM	David Grainger (USA)	All Seasons Ballroom

KEYNOTE SPEAKER

Time	Speaker	Title
8:45AM	David Mooney (USA)	"Polymers to control cell trafficking"

SESSION 1: INTRACELLULAR (Chair: Glen Kwon)

Time	Speaker	Title
9:30AM	Kazunori Kataoka (Japan)	"Supramolecular nanodevices from smart block copolymers for gene and drug delivery"
10:00AM	Patrick Stayton (USA)	"Opening the intracellular target universe to biologic drugs"
10:30AM	COFFEE BREAK	

SESSION 2: GENETICALLY ENGINEERED (Chair: Darin Furgeson)

Time	Speaker	Title
11:00AM	Sarah Hamm-Alvarez (USA)	"Enhanced uptake of targeted genetically engineered nanoparticles in acinar cells and hepatocytes"
11:30AM	Ashutosh Chilkoti (USA)	"Genetically engineered, self assembled polypeptide nanoparticles for cancer drug delivery"

SESSION 3: AN OLD BOYS CLUB (Chair: Allan Hoffman)

Time	Speaker	Title
1:30PM	Sung Wan Kim (USA)	"Biomaterials to Gene Delivery"
2:15PM	Jan Feijen (The Netherlands)	"Biodegradable polymer-somes for controlled drug delivery"
2:45PM	Jindrich Kopecek (USA)	"Enhanced uptake of targeted genetically engineered nanoparticles in acinar cells and hepatocytes"
3:15PM	COFFEE BREAK	
3:45PM	James Anderson (USA)	"Biocompatibility Issues of polymer drug-delivery systems"
4:15PM	Teruo Okano (Japan)	"Intelligent polymers for cell sheet tissue engineering"

SESSION 4: REALLY SCIENTIFIC (POSTERS)

5:00PM	Authors Present	Harvest-Market West
6:30PM	Hors d'oeuvres	Seasons Lobby

Tuesday, February 15, 2011

KEYNOTE SPEAKER (Chair: Kinam Park)

Time	Speaker	Title
8:45AM	Robert Langer (USA)	"Advances in Drug Delivery: From the early days of Sung Wan Kim to the era of nanotechnology and cellular and genetic therapies"

SESSION 5: PHYSIOLOGICALLY SENSITIVE (Chair: Victor Yang)

Time	Speaker	Title
9:30AM	Yeo Yoon (USA)	"A battle with environment: Drug delivery to target tissues with particles and functional biomaterials"
10:00AM	Krishnendu Roy (USA)	"Designer drug carriers: Physiology and disease-specific design of nano to microscale controlled release systems"
10:30AM	COFFEE BREAK	

SESSION 6: SHOWING DELIVERY (Chair: James Herron)

Time	Speaker	Title
11:00AM	In-San Kim (S. Korea)	"Targeted drug delivery and imaging with molecular signature-specific design"
11:30AM	Katherine Ferrara (USA)	"Leveraging the power of molecular imaging for drug delivery system design"

SESSION 7: PLUS/MINUS COMPLEXES (Chair: Ram Mahato)

Time	Speaker	Title
1:30PM	Kam Leong (USA)	"Self-assembly of nanocomplexes in picoliter volumes"
2:00PM	Mark Tracy (USA)	"Advances in the development of delivery systems for siRNA"
2:30PM	Suzie Pun (USA)	"Peptide-based polymers for gene and siRNA delivery"
3:00PM	COFFEE BREAK	

SESSION 8: WITH PATIENTS (Chair: Margit Amsbury)

Time	Speaker	Title
3:30PM	Glenn Prestwich (USA)	"Clinical biomaterials for cell and molecule delivery in regenerative medicine"
4:00PM	Syed Hossainy (USA)	"Engineering principles behind the drug eluting stent (DES)"
4:30PM	Sun-Ok Kim (S. Korea)	"Development of a docetaxel-loaded intravenous formulation using polymer-based delivery system"

Tuesday, February 15, 2011

6:30PM	BANQUET	3-Seasons Ballroom
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Wednesday, February 16, 2011

KEYNOTE SPEAKER (Chair: You Han Bae)

Time	Speaker	Title
8:45AM	Jeffery Hubbell (Switzerland)	"Engineering of Matrix- and Integrin-Modulated Protein Regulators of Regenerative and Immune Processes"

SESSION 9: NOVEL WAYS AND MATERIALS (Chair: Vincent Lee)

Time	Speaker	Title
9:30AM	Nicholas Peppas (USA)	"New frontiers in drug delivery: Emerging applications in oral administration"
10:00AM	J.-C. Leroux (Switzerland)	"New pharmaceutical applications for polymeric binder"
10:30AM	COFFEE BREAK	
11:00AM	Youqing Shen (China)	"Prodrugs as efficient and multifunctional drug nanocarriers"
11:30AM	Johan Engbersen (The Netherlands)	"Can arylboronic acids be helpful in controlled drug delivery?"

SESSION 10: NANO, NANO, NANO (Chair: Hamid Ghandehari)

1:30PM	Paula Hammond (USA)	"Patchy micelles and shedding nanolayers for targeted nanoparticle delivery"
2:00PM	Afsaneh Lavsanifar (Canada)	"Development of targeted polymer based nano-carriers for improving response to cancer chemo- and immunotherapy"
2:30PM	Mansoor Amiji (USA)	"Multifunctional nanosystems for targeted delivery of molecular therapies"
3:00PM	COFFEE BREAK	

SESSION 11: BIOLOGICALLY DRIVEN (Chair: Carol Lim)

Time	Speaker	Title
3:30PM	Alyssa Panitch (USA)	"Cell-penetrating peptide identity can affect peptide cargo activity"
4:00PM	Chae Ok Yun (S. Korea)	"Smart nanoconjugate platforms for systemic administration of adenovirus for targeted cancer gene therapy"

CLOSING REMARKS

Time	Speaker	Location
4:30PM	You Han Bae (USA)	All Seasons Ballroom