

Carolina Nanoformulation Workshop 2018 Schedule

Day 1: Monday, March 12

Marsico 4004

8:30-8:45 am	Opening remarks: Alexander Kabanov, Ph.D., D.Sc., University of North Carolina at Chapel Hill	
Session 1: Nanotechnology in Cancer		
8:45-9:25am	Unmet needs in cancer treatment	Andrew Wang, M.D. University of North Carolina at Chapel Hill
9:30-10:10am	PK, MNS and tumor accumulation of nanomedicines	William Zamboni, Pharm.D, Ph.D. University of North Carolina at Chapel Hill
10:10-10:20am Coffee Break		
10:20-11:00am	The role of tumor microenvironment in tumor treatment	Leaf Huang, Ph.D. University of North Carolina at Chapel Hill
11:05-11:45pm	The role of nanoparticles characteristics (mechanical properties/targeting) in tumor treatment	Tatiana Bronich, Ph.D. University of Nebraska Medical Center
11:45-12:30pm Speakers' Round Table Discussion I		
12:30-1:30pm Lunch Break		
Session 2: Nanotechnology in Cancer		
1:35-2:15pm	Nanoparticles in vaccines/immunotherapy	Matthew Gallovic, Ph.D. University of North Carolina at Chapel Hill
2:20-3:00pm	Polymeric micelles for small drug delivery to tumors	Kazunori Kataoka, Ph.D. University of Tokyo
3:00-3:15pm Coffee Break		
3:15-3:55pm	Tumor permeability-emphasis on tumor models selection	Hong Yuan, Ph.D. University of North Carolina at Chapel Hill
4:00-5:00pm Speakers' Roundtable Discussion II		
5:10pm - Welcome Reception		

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Day 2: Tuesday, March 13

Marsico 4004

Session 1: Lipid Based Nanocarriers		
8:45-9:25am	Solid lipid nanoparticles in drug delivery	Rahima Benhabbour, Ph.D. University of North Carolina at Chapel Hill
9:30-10:10am	Lipid particles sRNA delivery	Muthiah Manoharan, Ph.D., Senior Vice President of Drug Discovery, Alynlam Pharmaceuticals
10:10-10:20am Coffee Break		
10:20-11:00am	Liposomes in clinical development	Alexander Koshkaryev, Ph.D., Merrimack Pharmaceuticals
11:05-11:45pm	Computational modeling of drug loaded nanodelivery systems	Alexander Tropsha, Ph.D. University of North Carolina at Chapel Hill
11:45-12:30pm Speakers' Round Table Discussion I		
12:30-1:30pm Lunch Break		
Session 2: Cell Derived Nanocarriers		
1:35-2:15pm	Exosomes in drug delivery	Alexander Kabanov, Ph.D., Dr.Sci. University of North Carolina at Chapel Hill
2:20-3:00pm	Strategies for engineering exosomes	Naoki Makita, M.Sc. Sumitomo Dainippon Pharma
3:00-3:15pm Coffee Break		
3:15-3:55pm	Stem cell mediated delivery	Shawn Hingtgen, Ph.D., University of North Carolina at Chapel Hill
4:00-4:45pm Speakers' Roundtable Discussion II		

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Day 3: Wednesday, March 14
Marsico 4004

Session 1: Pre-clinical Characterization		
8:45-9:25am	Regulatory aspects of nano	Rogério Gaspar, Ph.D. University of Lisbon, Portugal
9:30-10:10am	Field flow fractionation in nanoparticles characterization	Robert Reed, Ph.D. Postnova Analytics
10:10-10:20am Coffee Break		
10:20-11:00am	Technical aspects of measuring drug release in nano and micro systems	Anna Schwendeman, Ph.D. University of Michigan at Ann Arbor
11:05-11:45pm	In vitro evaluation of immune response	Marina Dobrovolskaia, Ph.D. Nanotechnology Characterization Laboratory
11:45-12:30pm Speakers' Round Table Discussion I		
12:30-1:30pm Lunch Break		
Session 2: Clinical Development of Nanoparticles		
1:35-2:15pm	Technical aspects of PK studies, design and analytical techniques	Lauren Price, Pharm.D. University of North Carolina at Chapel Hill
2:20-3:00pm	Pre-clinical and clinical toxicity evaluations of nanomedicines	Rogério Gaspar, Ph.D. University of Lisbon, Portugal
3:00-3:15pm Coffee Break		
3:15-3:55pm	From Bench to the bed side: role of the pharmaceutical development	Julia Rashba-Step, Ph.D. Phosphorex
4:00-4:45pm Speakers' Roundtable Discussion II		