



Freie Universität Berlin (FU)



Arab International University (AIU)

Program

The 2nd Workshop of Pharma Nanotech

“Recent Advances in Nanotechnology for pharmacy, cosmetics and nutraceuticals”

**A scientific cooperation between FU and AIU
25th-27th June 2012
at the Free University of Berlin**

Date	Time	Activities/Topics	Venue
Monday 25.06.2012	01.00 p.m.	<p><u>Opening:</u> Prof. Dr. Rainer Müller Freie Universität Berlin Pharmacy Institute Department of Pharmaceutical Technology, Biopharmaceutics & NutriCosmetics</p> <p><u>Welcome addresses:</u></p> <ul style="list-style-type: none"> • Prof. Dr. Abdul Ghani Maa Bared President of Arab International University (AIU), Damascus <p>Presented by Prof. Dr. Michael Dittgen Vice President for International affairs and Research, Arab International University (AIU), Damascus</p> • Prof. Dr. Matthias Melzig Managing Director Institute of Pharmacy Freie Universität Berlin presented by Prof. R.H. Müller • Dr. Aiman Hommoss Arab International University (AIU), Damascus Faculty of Pharmacy Pharmaceutics Department <p><i>Presentations</i></p>	Free University, Berlin Pharmacy Institute Kelchstr. 31
	01:15 p.m.	Recent advances in transdermal drug delivery with patches Prof. Dr. Michael Dittgen, AIU	
	02:00 p.m.	Submicron technology in cosmetic products: liposomes, lipid nanoparticles, nanocrystals Assoc. Prof. (PD) Dr. Sven Gohla, Matahari Technology Consulting GmbH	
	02:45 p.m.	Break	
	03:00 p.m.	Drug nanocrystals: history, basic principles, pharmaceutical products Prof. Dr. Rainer H. Müller, FU Berlin	
	03:45 p.m.	Basics of patent law - how to protect your innovative product Assoc. Prof. (PD) Dr. Sven Gohla, Matahari Technology Consulting GmbH	
	04:15 p.m.	Lipid nanoparticles (SLN,. NLC): history, basic principles, pharmaceutical products Prof. Dr. Rainer H. Müller, FU Berlin	
	05.15 p.m.	Reception for networking “Come together between Syrian and German students / PhD students (Dinner in the Cafeteria and garden of the house in Kelchstr. 31)	

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Tuesday 26.06.2012	09.00 a.m.	Walk around the university and visit of pharmacy laboratories Group 1: Gregori Romero Group 2: Daniela Harden Group 3: Robert Ruick	Free University, Berlin Pharmacy Institute Kelchstr. 31																																												
	10.00 a.m.	Analytics Workshop: Coordinator: Maria Lestari & Biswadip Sinha <table border="1"> <thead> <tr> <th>Time</th> <th>Title</th> <th>Presenter</th> </tr> </thead> <tbody> <tr> <td>10:00 am</td> <td>Particle size determination: Photon Correlation Spectroscopy</td> <td>Maria Lestari</td> </tr> <tr> <td>10:30 am</td> <td>Particle size determination: Laser Diffractometry</td> <td>Biswadip Sinha</td> </tr> <tr> <td>11:00 am</td> <td>Coulter Counter / AccuSizer: accurate particle size measuring methods</td> <td>Daniela Harden</td> </tr> <tr> <td>11:30 am</td> <td>Particle surface characterization: Zeta potential</td> <td>Jing Taepin</td> </tr> <tr> <td>12:00 pm</td> <td>Lunch break Second come together of Syrian students and PhD students</td> <td></td> </tr> <tr> <td>1:00 pm</td> <td>Characterization of solids using calorimetry: Differential scanning calorimetry</td> <td>Add Baisaeng</td> </tr> <tr> <td>1:30 pm</td> <td>Characterization of solids using X-ray</td> <td>Robert Ruick</td> </tr> <tr> <td>2:00 pm</td> <td>Microscopy techniques AFM/ LM/ Raman Spectroscopy/ EM: SEM/TEM</td> <td>Prof. Dr. Graf</td> </tr> <tr> <td>3:30 pm</td> <td>Break and discussion</td> <td></td> </tr> <tr> <td>4:30 pm</td> <td>How to do a PhD in Germany</td> <td>Prof. Dr. Müller</td> </tr> <tr> <td>5:15 pm</td> <td>Closing</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td>FU Berlin Königin-Luise- Straße 6-8 14195 Berlin Tel:03083850100</td> </tr> <tr> <td>05.30 p.m. 06:00 p.m.</td> <td></td> <td>Drive to Botanic Garden (Bus at 5:28 pm from Kelchstr. bus station) Botanic Garden and Botanical Museum Berlin-Dahlem (http://www.bgbm.org/default_e.htm)</td> <td></td> </tr> </tbody> </table>		Time	Title	Presenter	10:00 am	Particle size determination: Photon Correlation Spectroscopy	Maria Lestari	10:30 am	Particle size determination: Laser Diffractometry	Biswadip Sinha	11:00 am	Coulter Counter / AccuSizer: accurate particle size measuring methods	Daniela Harden	11:30 am	Particle surface characterization: Zeta potential	Jing Taepin	12:00 pm	Lunch break Second come together of Syrian students and PhD students		1:00 pm	Characterization of solids using calorimetry: Differential scanning calorimetry	Add Baisaeng	1:30 pm	Characterization of solids using X-ray	Robert Ruick	2:00 pm	Microscopy techniques AFM/ LM/ Raman Spectroscopy/ EM: SEM/TEM	Prof. Dr. Graf	3:30 pm	Break and discussion		4:30 pm	How to do a PhD in Germany	Prof. Dr. Müller	5:15 pm	Closing					FU Berlin Königin-Luise- Straße 6-8 14195 Berlin Tel:03083850100	05.30 p.m. 06:00 p.m.		Drive to Botanic Garden (Bus at 5:28 pm from Kelchstr. bus station) Botanic Garden and Botanical Museum Berlin-Dahlem (http://www.bgbm.org/default_e.htm)	
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