# FINAL PROGRAM

**December 11, 2006 (Monday)**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>8:00 to 9:00</td>
<td>Registration</td>
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| 9:00 to 9:45 | Opening Ceremony  
Venue: HSC New Building, First Floor, Conference Hall A |
| 9:45 to 10:15 | Coffee  
Venue: HSC New Building, Ground Floor, Lounge A |
| 10:15 to 12:00 | **Open Session: Pharmaceutical Education**  
Venue: HSC New Building, First Floor, Conference Hall A  
**Chairman:** Dr. Abdulla Al-Bekairi, Dean, King Saud University, KSA  
**Co-chairman:** Prof. L. Novotny, Acting Dean, Faculty of Pharmacy, Kuwait University, Kuwait.  
PE-OS-1: Faculty of Pharmacy at Kuwait University- the Present and the Future, L. Novotny L. A. Al-Khars, Faculty of Pharmacy, Kuwait University, Kuwait.  
PE-OS-2: B.Sc. in Pharmacy to Pharm.D., Why?, H.A. Mosti, Dean and Professor of Medicinal Chemistry, Faculty of Pharmacy, King Abdulaziz University, PO Box 80260, Jeddah 21589, Saudi Arabia  
PE-OS-3: Planning a Post B.S. Doctor of Pharmacy Program at Kuwait University, M. Waheed, M. Qaddoumi, Faculty of Pharmacy, Kuwait University, Kuwait. |
| 12:00 to 14:00 | Prayer  
Display of posters (Venue: HSC New Building, Ground Floor, Lounge B)  
Lunch (Venue: HSC Cafeteria) |
| 14:00 to 16:00 | Deans Meeting  
Venue: HSC New Building, First Floor, Conference Hall A |
| 16:00 to 17:00 | **Plenary Lecture-I:** “Pharmacists as Community Health Professionals- A preSCRIPTion for success”  
Venue: HSC New Building, First Floor, Conference Hall A  
**Speaker:** Prof. Ross T. Tsuyuki, Department of Medicine, Division of Cardiology, University of Alberta, Edmonton, Canada  
**Chairman:** Dr. Wandikayi Matowe, Department of Pharmacy Practice, Faculty of Pharmacy, Kuwait University, Kuwait.  
**Co-chairman:** Dr. Phillip Capps, Department of Pharmacy Practice, Faculty of Pharmacy, Kuwait University, Kuwait. |
| 17:00 to 17:30 | Prayer  
Coffee (Venue: HSC New Building, Ground Floor, Lounge A) |
| 17:30 to 18:30 | **Plenary Lecture-II:** “Optimization of anti-invasive and anti-metastatic marine natural product leads”  
Venue: HSC New Building, First Floor, Conference Hall A  
**Speaker:** Prof. Khalid A. El Sayed, School of Pharmacy, University of Louisiana at Monroe, Louisiana, USA  
**Chairman:** Dr. Khaled Orabi, Faculty of Pharmacy, Kuwait University, Kuwait  
**Co-chairman:** Dr. Alicia Catabay, Faculty of Pharmacy, Kuwait University, Kuwait |
| 18:30 to 19:00 | Prayer |
| 19:00 to 20:00 | **Plenary Lecture-III:** “In situ forming biodegradable Drug delivery systems”  
Venue: HSC New Building, First Floor, Conference Hall A  
**Speaker:** Prof. Ronald Bodmeier, College of Pharmacy, Freie Universität Berlin, Berlin, Germany.  
**Chairman:** Dr. Y.S.R. Krishniah, Department of Pharmaceutics, Faculty of Pharmacy, Kuwait University, Kuwait.  
**Co-chairman:** Dr. Abdelazim Zaghoul, Department of Pharmaceutics, Faculty of Pharmacy, Kuwait University, Kuwait. |
| 20:00 to 22:00 | Dinner  
Venue: Kuwait Hotel Crowne Plaza Hotel, Wedding Hall, Farwania, Kuwait |
<table>
<thead>
<tr>
<th>Time</th>
<th>Scientific Session-I: Pharmaceutical Care</th>
<th>Scientific Session-II: Therapeutic Drug</th>
<th>PC-O-1: Physicians’ perceptions and expectations</th>
<th>TDM-O-1: Pharmacokinetic comparisons of</th>
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<tbody>
<tr>
<td>8:15 to 9:45</td>
<td><strong>Venue</strong>: HSC New Building, Ground Floor, Conference Hall A</td>
<td><strong>Venue</strong>: HSC New Building, Ground Floor, Conference Hall B</td>
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<td><strong>Chairman</strong>: Dr. Mirghani Yousif, Dean, Jazeera University, Sudan</td>
<td><strong>Chairman</strong>: Dr. Mohamad Nukhailan, Assistant Undersecretary, Ministry of Health, Kuwait</td>
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<td><strong>Co-chairman</strong>: Dr. Ivan Edaliofo, Department of Pharmacy Practice, Faculty of Pharmacy, Kuwait University, Kuwait</td>
<td><strong>Co-chairman</strong>: Dr. Samuel Kombian, Department of Applied Therapeutics, Faculty of Pharmacy, Kuwait University, Kuwait</td>
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<td>of pharmacists’ professional duties in government hospitals in Kuwait, N. Al-Saffar, E.A. Abahussain, L. Matowe, S.M. Bihzad, A. Al-Foraia, A.A. Al-Kandery</td>
<td></td>
<td>Jordanian Arabs with other populations, S. Shilbayeh, M.F. Tutunji</td>
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<tr>
<td>PC-O-3:</td>
<td>Attitudes to drug promotion among pharmacy faculty at Kuwait University, D.E. Ball</td>
<td></td>
<td>TDM-O-3: Analysis of antibiotic utilization in hospitalized pediatric patients: J. Kolar, R. Vachova</td>
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<td>PC-O-4:</td>
<td>A survey of the general public’s view of the professional role of the community pharmacist, over-the-counter (OTC) drugs and community-based pharmaceutical services, M. Wazaify, A. Al-Bsoul-Younes, E. Abu-Ghurbieh, L. Tahayeh</td>
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<td>TDM-O-4: Prediction of fibrosis cirrhosis among Egyptian patients with chronic hepatitis C virus (HCV) using noninvasive index, E.A. Badria, S. Gabr</td>
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<td>DD-O-3:</td>
<td>In vitro testing of novel anticonvulsant compounds, S.B. Kombian, I.O. Edaliofo, K.V.V. Ananthalakshmi</td>
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<td>DDS-O-3:</td>
<td>Comparative bioavailability of norfloxacin tablets based on blood and urine Data, A.H. Nado, M.A. Sharaf, Z.A. El Gholmy, N.M. Khalafallah</td>
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<td>DD-O-4:</td>
<td>Quinolones Resistance in <em>Staphylococcus aureus</em> Mediated by NorA Efflux Pump, A. Abdelaziz, R.A. El-Domany</td>
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<td>Session</td>
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<td>PC-O-6</td>
<td>Evaluating Antimicrobial Resistance in the Neonatal Intensive Care Unit at King Khalid University Hospital in Riyadh, K.M. Alkhafy, H.S. Al-Addam, T.M. Alkhafy, A.M. Kambel</td>
<td>Tisocki</td>
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**9:45 to 10:15**  
Coffee  
Venue: HSC New Building, Ground Floor, Lounge A

**10:15 to 12:00**  
**Scientific Session-III:** Drug Discovery  
*Venue:* HSC New Building, First Floor, Conference Hall A  
*Chairman:* Dr. Ahmad Hassan, Dean, Damascus University, Syria  
*Co-chairman:* Dr. Abdulla Assad, Deputy Director, KSP, Kuwait

**Scientific Session-IV:** Drug Delivery Systems  
*Venue:* HSC New Building, First Floor, Conference Hall B  
*Chairman:* Dr. Ayman Obaidat, Dean, Jordanian University of Science & Technology, Jordan  
*Co-chairman:* Dr. Aly Nada, Department of Pharmaceutics, Faculty of Pharmacy, Kuwait University, Kuwait

| DD-O-1 | Global trends in natural products pharmacology research, A.H. Gilani |  
| DD-O-2 | The pharmacy of the sea, K.Y. Orabi |  
| DDS-O-1 | Ex vivo mucoadhesion and in vivo bioavailability assessment and correlation of ketoprofen tablet dosage form containing bioadhesives, A. Zaghloul, E. Taha, I. Khattab |  
| DDS-O-2 | Randomization bioequivalence study |  

**12:00 to 12:30**  
Prayer  
Coffee (Venue: HSC New Building, Ground Floor, Lounge A)

**12:30 to 13:00**  
**Author-attended Poster Sessions**  
*Venue:* HSC New Building, Ground Floor, Lounge-B  
*Adjudicators:* Dr. Khaleel Orabi, Dr. Kamal Matar, Dr. Wadidkay Matowe, Dr. Y.S.R. Krishnasiah; Faculty of Pharmacy, Kuwait University, Kuwait

| PC-P-1 | Microbiology of diabetic foot infection and antimicrobial choice in Libyan patients, S.L. El Garsadi, O.S. Skaran, A.S. Saleem, N.A. Elmegrahi, A.A. Ghaibon |  
| PC-P-2 | Risk factor model for developing postpartum diabetes mellitus in patients with Gestational Diabetes Mellitus (GDM), J.C. McElroy, A.A. Elnour |  
| TDM-P1 | Therapeutic Drug Monitoring of high dose gentamicin in elderly patient- A case report, Y.M. Al-Langawi, P. Cupps, K. Abdelmalik |  
| DD-P-1 | Effect of selected natural products, thioeproline and pegaeys on hepatic platelet activating |  

*Ahmed, A.K. Abdulall*  
*Pazandi, M. Ghaffari*
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<tr>
<th>Session</th>
<th>Title</th>
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<tbody>
<tr>
<td>DD-P-2</td>
<td>Effect of the plant medicinal in the crystallization of calcium oxalate in vitro.</td>
<td>A. Bedria, H. Abou-Eltayeb, A. Sleem, O. Mekhalif, M. Belkouida, A. Mhammedi</td>
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<tr>
<td>DD-P-3</td>
<td>Spectrofluorimetric determination of the anticoagulant warfarin sodium using human serum albumin as a fluorescent reagent.</td>
<td>H.M. El-Fatatry, A.A. Habib, M.M. Mahrouk, S.F. El-Maliki</td>
</tr>
<tr>
<td>DDS-P-1</td>
<td>Randomization bioequivalence study of oral single-dose ciprofloxacin hydrochloride tablet formulations (Ciproflo and Ciprobay®) in healthy volunteers.</td>
<td>H.O. Alkadi, M.A. Noman, A. Noman, A. Altayeb, N. Zawia, A. Alsobri, A. Alhakami</td>
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<tr>
<td>DDS-P-2</td>
<td>Interaction of pyridostigmine bromide and N,N-Diethyl-m-toluamide alone and in combination with P-glycoprotein expressed in Escherichia coli leaky mutant.</td>
<td>F.M. Mejri, M.B. Abou-Dona</td>
</tr>
<tr>
<td>DDS-P-3</td>
<td>Transdermal delivery of trimetazidine across a membrane-modulated transdermal therapeutic system using nerositol as a penetration enhancer.</td>
<td>Y.S.R. Krishnaiah, S.M. Al-Saudan</td>
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<tr>
<td>DDS-P-4</td>
<td>Preparation and evaluation of clotrimazole emulsions using pemulen as a polymeric emulsifier.</td>
<td>S.A. Abdelsayed, N.D. Mortada, M.A. Gade, M.H. Kameel</td>
</tr>
<tr>
<td>DDS-P-5</td>
<td>Application of factorial design to improve solubility and in-vitro dissolution of Nisulide hydrophilic polymer binary system.</td>
<td>I. Khattab, M. Al-Saadon, A. Nake, A. Zaghibal</td>
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<tr>
<td>DDS-P-6</td>
<td>Stimuli-responsive hydrogels as drug delivery systems.</td>
<td>H.M. Fathy</td>
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<td>DDS-P-7</td>
<td>Evaluation of the release kinetics of a press-casted hiconvex core with an impermeable coat.</td>
<td>A.M. Abraham, J.N. McMillen</td>
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<tr>
<td>ND-P-1</td>
<td>Tau 1 was reduced in brains of ovariectomized rats fed with young coconut-juice, N. Radenahmad, K. Sawangkorom, U. Vongvatcharanon, P. Subhadhirasakul W. Rundorn.</td>
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**B. Withychumnamrakul, J.R., Connor**

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<thead>
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<th>Session</th>
<th>Title</th>
<th>Authors</th>
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<tbody>
<tr>
<td>ND-P-3</td>
<td>Aquaticoide A-E, New Cytotoxic Triterpenoidal saponin glycosides acylated with two monoterpeneic acid from Gleditsia aquatica.</td>
<td>H.A. Kadry, M. Hosny, E.A. Ragab</td>
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<tr>
<td>ND-P-4</td>
<td>Anxiolytic effect of Euphorbia dendroides L., F.A. Al-Shammakri, A.A. Azzi, F.M. Sherif</td>
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<tr>
<td>M-P-1</td>
<td>Effect of biocides on the leakage of cellular pentose of Escherichia coli, M.R. Al-Sagher, S.P. Denyer, R.M. Moman</td>
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<tr>
<td>M-P-2</td>
<td>Evaluation of microbial contamination of repackaged tablets in some of Tripoli city hospitals, R.M. Moman, M.R. Al-Sagher, D.M. Rashid</td>
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</tbody>
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**13:00 to 14:00**
Lunch
Venue: HSC Cafeteria

**14:00 to 16:00**
Deans Meeting
Venue: HSC New Building, First Floor, Conference Hall A

**16:00 to 17:00**
**Plenary Lecture IV:** "New Developments in Population PK/PD Modeling. Multiple Model dosage design, and new methods of BAYESIAN updating of individual PK/PD models – Application to Clinical TDM"
Venue: HSC New Building, First Floor, Conference Hall A
Speaker: Prof. Roger W. Jelliffe, School of Medicine, University of Southern California, Los Angeles, USA.
Chairman: Dr. Kamal M. Matar, Faculty of Pharmacy, Kuwait University, Kuwait
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>17:00 to 17:30</td>
<td>Prayer&lt;br&gt;Coffee (Venue: HSC New Building, Ground Floor, Lounge A)</td>
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| 17:30 to 18:30 | **Plenary Lecture-V:** "Newborn Screening for Metabolic and Endocrine Disorders: The Saudi Experience"
Venue: HSC New Building, First Floor, Conference Hall A  
Speaker: Dr. Mohamed S. Rashed, Director, National Laboratory for Newborn Screening Research Centre, King Faisal Specialist Hospital & Research Centre, Saudi Arabia.
Chairman: Dr. Mohammed Abdel Hamid, Faculty of Pharmacy, Kuwait University, Kuwait.
Co-chairman: Dr. Mohamed G. Qaddoumi, Faculty of Pharmacy, Kuwait University, Kuwait |
| 18:30 to 19:00 | Prayer<br>Coffee (Venue: HSC New Building, Ground Floor, Lounge A) |
| 19:00 to 20:15 | **Scientific Session-V:** Novel Drugs  
Venue: HSC New Building, First Floor, Conference Hall B  
Chairman: Dr. Ahmad Saada, Dean Cairo University, Egypt.  
Co-chairman: Dr. Oludotun Phillips, Department of Pharmaceutical Chemistry, Faculty of Pharmacy, Kuwait University, Kuwait.  
ND-O-1: New nucleoside conjugates active in experimental leukemia, *L. Novotny, O.A. Phillips*  
ND-O-2: Benzylamino enaminoes as potential anticonvulsants, *I. Edafiogho, S.B. Kombian, K.V.V. Ananthalakshmi*  
| 20:30 to 22:00 | Dinner  
Venue: Safir International Hotel, Kuwait. |
December 13, 2006 (Wednesday)

Workshop-I: Therapeutic Drug Monitoring and Optimal Individualized Drug Dosage  
Venue: HSC Computer Center  
Co-ordinator: Dr. Kamal Matar, Faculty of Pharmacy, Kuwait University, Kuwait.  
Instructor: Prof. Roger W. Jelliffe, School of Medicine, University of Southern California, Los Angeles, USA.

8:00 to 8:15 Registration  
8:15 to 8:30 Welcome address by Dr. Kamal Matar, Faculty of Pharmacy, Kuwait University, Kuwait  
8:30 to 8:45 Building Block 1: Evaluation of Renal Function in patients  
8:45 to 9:15 Building Block 2: Defining the Assay Error Pattern  
9:15 to 9:45 Building Block 3: The Best Times for doing TDM  
9:45 to 10:15 Coffee  
10:15 to 10:45 Introduction to Population Modeling  
10:45 to 11:15 More on Population Modeling  
11:15 to 11:45 Applications: "Multiple Model" Maximally Precise Dosage Design  
11:45 to 12:15 Prayer  
12:15 to 12:45 Applications: Four Bayesian Methods for Model Individualization. Outcomes

12:45 to 13:05 Clinical Applications: Aminoglycoside Therapy and TDM  
13:05 to 13:20 Clinical Applications: Vancomycin Therapy and TDM  
13:20 to 13:35 Clinical Applications: Digoxin Therapy and TDM  
14:15 to 15:00 Lunch  

Workshop-II: Prescription interventions for the provision of pharmaceutical care  
Venue: HSC New Building, First Floor, Conference Hall A  
Co-ordinator: Dr. Wandikayi Matowe, Faculty of Pharmacy, Kuwait University, Kuwait.

13:30 to 14:00 Registration  
14:00 to 14:05 Welcome address by Dr. Ivan Edafiogho, Faculty of Pharmacy, Kuwait University, Kuwait  
14:05 to 14:35 Impact of Pharmaceutical care interventions on patient outcomes: a review  
Instructor: Dr. Wandikayi Matowe, Faculty of Pharmacy, Kuwait University, Kuwait  
14:35 to 14:55 Pharmaceutical Care and Pharmacist Interventions: practical aspects  
Instructor: Dr. A. Awad, Faculty of Pharmacy, Kuwait University, Kuwait  
14:55 to 15:15 Barriers to making interventions  
Instructor: Dr. P. Capps, Faculty of Pharmacy, Kuwait University, Kuwait  
15:15 to 15:35 Coffee (HSC New Building, Ground Floor, Lounge A)  
15:35 to 15:55 Documenting Interventions  
Instructor: Ph. Reny Mathew, Faculty of Pharmacy, Kuwait University, Kuwait  
15:55 to 16:05 Dispersal to seminar rooms for small group sessions  

Prescription Review: Scenarios and Exercises
Group Leader: Dr. A. Awad  
Venue: Seminar Room 5  

Group Leader: Ph. Reny Mathew  
Venue: Room No. 2-87

16:05 to 17:05

Master Leader: Dr. P. Capps  
Venue: Seminar Room 7

Group Leader: Ph. Fatma Al Saleh  
Venue: Room No. 4-04

Group Leader: Ph. Sara Bihzad  
Venue: Room No. 2-52

Group Leader: Dr. Matowe  
Venue: Room No. 4-72

17:05 to 17:30 Prayer  
17:30 to 18:00 Round-up: Prof. Ross T. Tsuyuki, Department of Medicine, Division of Cardiology, University of Alberta, Canada  
18:00 to 18:30 Prayer  
18:30 to 19:30 Closing Ceremony (HSC New Building, First Floor, Conference Hall A)