



3rd FUE International Conference of
Pharmaceutical Sciences
(3rd FUE-ICPS)
February 9-11, 2015

3rd FUE International Conference of Pharmaceutical Sciences

February 9th-11th, 2015, Cairo, Egypt
Intercontinental City Stars Hotel, Nasr City, Cairo, Egypt.

<http://www.fue.edu.eg/pharmaconference>

Conference Program

Area	Presentation		
	Lecture (L)	Oral (O)	Poster (P)
Drug Development and Drug Discovery	L-DD-00	O-DD-00	P-DD-00
Advances in Drug Delivery Approaches	L-ADD-00	O-ADD-00	P-ADD-00
Pharmacy Practice & Clinical Pharmacy	L-PP-00	O-PP-00	P-PP-00
Biotechnology (Biochemistry and Microbiology)	L-BM-00	O-BM-00	P-BM-00
Pharmacology & Toxicology	L-PT-00	O-PT-00	P-PT-00
Natural Products and Phytotherapy	L-NP-00	O-NP-00	P-NP-00



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Day/Hall	Al Hembra 1	Al Saraya 4	Al Hembra 2	Al Saraya 2	Al Saraya 3	Al Saraya 1
9/2/2015	*Opening Ceremony & Plenary Lecture					
10/2/2015	Drug Development and Drug Discovery	Advances in Drug Delivery Approaches	Workshop Bedside Clinical Software to Optimize Individualized Drug Dosage Regimens	Pharmacology & Toxicology	Workshop Current Frontiers in Drug Design	Poster Session I P-DD-1 to P-DD-27 P-ADD-1 to P-ADD-30 P-BM-1 to P-BM-18 P-PP-1 to P-PP-8 During Coffee & Lunch Breaks
	Drug Development and Drug Discovery Original Research Presentations	Advances in Pharmaceutical Technology		ENREC Periodical Meeting		
11/2/2015	Drug Development and Drug Discovery	Symposium Pharmaceutical Regulatory Affairs	Pharmacy Practice & Clinical Pharmacy	Biotechnology (Biochemistry and Microbiology)	Certificates	Poster Session II P-DD-28 to P-DD-54 P-ADD-31 to P-ADD-60 P-NP-1 to P-NP-14 P-PT-1 to P-PT-12 During Coffee & Lunch Breaks
	Natural Products and Phytotherapy	Advances in Drug Delivery Approaches Original Research Presentations	Clinical Pharmacy & Clinical Pharmacology Original Research Presentations	Biotechnology (Biochemistry & Microbiology) Original Research Presentations		
*Closing Remarks						

* Opening Ceremony, Plenary Lecture & Closing Remarks will be held at **Al Saraya 4** ballroom.



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Opening Ceremony

Al Saraya 4

4.00-6.00 p.m.	Registration
6.00-6.10 p.m.,	Opening Speech Prof. Seham Elkheshen , Conference Chair
6.10-6.15 p.m.	Words from Prof. Ebada Sarhan , FUE President
6.15-6.20 p.m.	Words from Prof. Michael Murphy , UCC President
6.20-6.25 p.m.	His Excellency Minister of Higher Education
6.25-6.30 p.m.	His Excellency Minister of Health
6.30-7.30 p.m.	Plenary Lecture Prof. Mostafa El-Sayed Nanotechnology meets Biology in the Cancer Cell: Applications in medicine, drug delivery and determining drug efficacy.



Dr. Mostafa El-Sayed is the Julius Brown Chair and Regents' Professor and Director of the Laser Dynamics Laboratory at Georgia Institute of Technology. He was awarded the 2007 U.S. National Medal of Science by US President for both his research and his humanitarian efforts of scientific exchange among other countries. Born in Gharbia, Florida State University (1959), and Ain Shams University graduate. Awards: King Faisal International Prize, Irving Langmuir Award, more. Professor El-Sayed was an Alexander von Humboldt Senior Fellow, Germany (1982), a Visiting Professor at the University of Paris, an Alfred P. Sloan as well as a Guggenheim Foundation Fellow, a Fairchild Fellow at the California Institute of Technology and a Miller Visiting Professor at U.C. Berkley.



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Drug Development and Drug Discovery

Al Hambra 1

Chairpersons: **Dr. Hanan Refaat, Dr. Kamellia Amin**

8.00-9.00 a.m.	Registration
9.00-9.45 a.m.	L-DD-01 Dr. Jochen Lehmann The Charm of Medium-sized Rings – Annelated Azecines as Potential Antipsychotic Drugs.
9.45-10.30 a.m.	L-DD-02 Dr. Hussein El-Subbagh Recent Development of New Ultra-short Acting Hypnotic “Thiazolodiazepine HIE-124” .
10.30-11.00 a.m.	Coffee break
11.00-11.45 a.m.	L-DD-03 Dr. Graham Timmins Stable Isotope Breath Tests: From Concept to Clinic.
11.45-12.30 noon	L-DD-04 Dr. Ashraf Abadi The Cross line between Celecoxib and Sildenafil.
12.30-2.00 p.m.	Lunch break & Poster Sessions



Dr. Hanan Refaat, Currently the Vice Dean and Professor of Pharmaceutical Organic Chemistry at Faculty of Pharmaceutical Sciences, FUE. She received her Ph.D. in Pharmaceutical Organic Chemistry from Cairo University. Her scientific interests focused on development of anti-inflammatory, anti-tumor and anti-hypertension agents. She served as a referee for many international organizations and scientific journals.



Dr. Kamellia Amin is a Professor of Medicinal Chemistry at Faculty of Pharmacy, Cairo University, Egypt. She is the Rapporteur of The Scientific Committee of Academic Staff Promotion [2013–present]. She was Vice –Dean of Graduate studies at Cairo University Faculty of Pharmacy [2006-2008]. She got her Ph.D. (1979) in Medicinal Chemistry from Cairo University, followed by IDA third education project fellowship at Boston University, USA [1982] and a Postdoctoral Research Peace Fellowship at Florida University, USA [1984-1985]. During her scientific career, she worked as Associate Professor in King Saud University, Kingdom of Saudi Arabia [1988 – 1994]. Dr. Amin’s research contributions resulted in over 80 publications in the field of medicinal chemistry and Drug Discovery.



Dr. Jochen Lehmann, Friedrich-Schiller-University Jena, PhD in organic chemistry; 1980-2002: Professor for pharmaceutical chemistry, Bonn, Hamburg. Since 2002: Professor of medicinal chemistry, Jena. 2002-2011: Chairman Institute of Pharmacy; 2005-2011: Dean. Since 2011: Guest professor, university of Bonn. Research topics: Heterocycles, GPCR ligands, NO donors, Alzheimer’s disease. Ca. 200 publications and several patents.



Dr. Hussein El-Subbagh, Chairman & Professor of Medicinal Chemistry, Mansoura University, Egypt. In 1988 he gained his Ph.D. from University of Rhode Island, USA and University of Mansoura, Egypt. In 1996, he was awarded "Alexander von Humboldt" fellowship at University of Bonn, Germany. "Shoman Award" for the Young Arab Scientists in Chemistry in 1994; "State Prize for Encouragement of Science" in 1997; "Waleed Kayali Prize for Scientific Research" in 2008; FUE outstanding research award, 2012. He is on the list of expertise of EACEA, European Commission. His scientific production is reported in more than 100 publications and ten US & European patents.



Dr. Graham S. Timmins is an Associate Professor of Medicinal Chemistry in the College of Pharmacy at the University of New Mexico. Dr. Timmins research interests included involved studying free radicals in drug action and toxicity, in cancer causation, in innate immunity, the use of stable isotope labeled compounds for use diagnosis and treatment of infectious disease, and as taggants for counterfeit medicine detection. He has over 60 publications and holds 6 patents. He co-founded Avisa Pharma that has risen over \$8 million to date, to commercialize breath test diagnostics.



Dr. Ashraf Abadi, currently the Dean, and Professor of Pharmaceutical Chemistry at the Faculty of Pharmacy and Biotechnology, German University in Cairo. He received his Ph.D. in Pharmaceutical Chemistry from Cairo University and spent several research stays in the USA, Saudi Arabia and Germany. He has a track record of eighty international publications/patents and served as a referee and editorial board member for many international organizations and scientific journals. He is also Ambassador Scientist to the Humboldt Foundation in Egypt.

Drug Development and Drug Discovery Original Research Presentations

Al Hembra 1

Chairpersons: **Dr. Khairia Youssef, Dr. Samir El-Moghazy, Dr. Miriam Yousif**

2.00-2.20 p.m.	O-DD-01 Reham Barghash Design, synthesis, and hydrophobicity prediction of aminobisphosphonates as anti-inflammatory/antitumor drugs.
2.20-2.40 p.m.	O-DD-02 Shahenda El-Messery 2-(1,3,4-Thiadiazolyl-thio and 4-methylthiazolylthio)-quinazolin-4-ones as a new class of DHFR inhibitors: Synthesis, biological evaluation and molecular modeling study.
2.40-3.00 p.m.	O-DD-03 Selwan El-Sayed Molecular Modeling, Synthesis and Antimicrobial Evaluation of New Molecular Hybrids of Tetrazole Derivatives.
3.00-3.20 p.m.	O-DD-04 Iten Fawzy Molecular modeling and synthesis of novel Curcumin analogs with their tubulin polymerization and cytotoxic assays.
3.20-3.40 p.m.	O-DD-05 Khalid Selim Synthesis of Chiral Sugar-Derived 1,2,3-Triazoles as Potential Anti-cancer Agents <i>via</i> Click Chemistry.
3.40-4.00 p.m.	O-DD-06 Mahmoud Hasan Quantitative chiral and achiral determination of ketamine and its metabolite in human serum, urine and feces.
4.00-4.20 p.m.	O-DD-07 Abdelrahman Mayhob TB Control: Are We Losing the War?



4.20-4.40 p.m.

O-NP-01 Eman El-Sayed

Hepatoprotective and gastroprotective effects of certain plants growing in Egypt and characterization of their bioactive constituents by HPLC–PDA–ESI–MS/MS analysis.

4.40-5.00 p.m.

O-NP-02 Mohamed El-Shazly

Unearthing the Potential of Epigenetic Modifiers in Stimulating the Production of New Secondary Metabolites from Fungi.



Dr. Khairia Youssef, Professor of Pharmaceutical Organic Chemistry supervised many researchers and teaching assistants. Professor Youssef published more than 60 publications into National and International Journals in the field of Drug Synthesis. The most recent papers were published between years 2007-2014 while Professor Youssef has been worked at FUE. From time of graduation till now Dr. Khairia taught different undergraduate and post-graduate courses.



Dr Samir El-Moghazy, Professor of Pharmaceutical Chemistry and Drug Design, Faculty of Pharmacy, Cairo University. He received his Ph.D. from Münster University Germany 1979. He also a Fulbright fellow at UGA, , USA 1995. Head of Pharmaceutical (medicinal) Chemistry Department in Faculty of Pharmacy, Cairo University Beni Suef Branch since 1998-2006. Dr. Elmoghazy Supervised more than 30 M.Sc. and Ph.D theses, holding more than 55 publications, mainly in the field of anticancer and anti HIV drugs, cox-inhibitors, molecular modeling and pharmaceutical analysis.



Dr. Miriam Yousif, Professor and Chair of the Department of Pharmacognosy and Medicinal Plants in the Future University. Formerly she was Professor of Pharmacognosy in Cairo University. She completed BSc. Pharmacy (1984) and PhD in Pharmacognosy (1996) at the faculty of Pharmacy in Cairo University. Her research interests are focused on the chemistry of medicinal plants and quality Control of herbal drugs. She has 36 publications covering most of the areas related to pharmacognosy, phytochemistry and quality control of herbal drugs.

Advances in Drug Delivery Approaches

Al Saraya 4

Chairpersons: **Dr. Seham Elkheshen, Dr. Omaima El Gazayerly**

9.00-9.45 a.m.

L-ADD-01 Dr. Hans Junginger

Novel Strategies for the treatment of Parkinson's disease: from in vitro testing to cell therapy and beyond.

9.45-10.30 a.m.

L-ADD-02 Dr. Hussein Ammar

New Trends in Nanotechnology-Based Targeted Drug Delivery Systems.

10.30-11.00 a.m.

Coffee break

11.00-11.45 a.m.

L-ADD-03 Dr. Linda Felton

Modified Release Strategies to Overcome Oral Drug Delivery Challenges

11.45-12.30 noon

L-ADD-04 Dr. Brendan Griffin

Novel formulation approaches to enhance oral drug bioavailability: focus on lipid based formulations

12.30-2.00 p.m.

Lunch break & Poster Sessions



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Dr. Seham Elkheshen has been in the academic field for more than 30 years with more than 40 national and international publications and more than 20 MSc and PhD students. She worked for and developed graduate and post graduate programs for Cairo, Ain Shams, King Saud, GUC, MIU and FUE. She occupied many administrative positions among them being the director of the bio-equivalence center at NODCAR, associate dean for education at FOPCU and recently, dean of FPSPI at FUE. During these periods she helped in establishing a total quality assurance system for good laboratory practice and good education procedures.



Dr. Omaira N. El Gazayerly, Professor and Chair of the Department of Pharmaceutics and Industrial Pharmacy, Faculty of Pharmacy, Cairo University. Dr. El Gazayerly has co-authored more than 100 manuscripts and presentations. Her main research includes innovative drug delivery systems and modified release dosage forms.



Dr. Hans E. Junginger appointed in 1981 as Full Professor at the Leiden Academic Center for Drug Research at Leiden University in The Netherlands. After his retirement in 2004 he was Visiting Professor in Thailand and in other countries. His main research areas were Mucosal Barrier Modulation and Drug Absorption Control including Peroral Peptide and Mucosal Vaccine Delivery, and Skin Barrier Modulation and Drug Absorption Control.



Dr. Hussein Ammar, Holder of the First Class Golden Medal for Sciences and Arts and the recipient of the 2010 Appreciation State Prize in the realm of Advanced Technological Sciences. Professor Ammar is currently the Chairman, Pharmaceutical Technology Department, FUE in Egypt; formerly, Dean of Pharmacy, National Research Centre, Cairo, Egypt. He has more than 112 research papers published in international scientific journals. These research papers cover most of the areas related to pharmaceutics, biopharmaceutics and pharmacokinetics. Nanotechnology-based design of new drug delivery systems is not beyond the scope of his interest.



Dr. Linda A. Felton, Professor and Chair of the Department of Pharmaceutical Sciences in the College of Pharmacy at the University of New Mexico. She holds a B.S. in Pharmacy and a Ph.D. in Pharmaceutics. Her research interests are focused on polymeric film coating technology and modified release systems.



Dr. Brendan Griffin, Completed his BSc. Pharmacy (1997) and PhD in Pharmaceutics (2001) at the School of Pharmacy in Trinity College Dublin. After working in pharmaceutical industry for a number of years, he returned to academia to the newly established School of Pharmacy at University College Cork (2005). He is currently Senior lecturer, and Course Director of the MSc in Pharmaceutical Technology and Quality Systems. Dr. Griffin research interests focus on the development of optimized and targeted drug delivery systems.



Advances in Pharmaceutical Technology

Al Saraya 4

Chairpersons: **Dr. Adel Sakr, Dr. Ehab Fetouh, Dr. Mohamed El Nabarawi**

2.00-2.45 p.m.	L-ADD-05 Dr. Adel Sakr Advances and New Trends in Tablet Technologies.
2.45-3.30 p.m.	L-ADD-06 Dr. Mina Tadros Lipid-based nanosystems as potential drug carriers for lymph Targeting
3.30-4.15 p.m.	L-ADD-07 Dr. Rania Hathout Ocular Drug Delivery: A focus on Protein Carriers
4.15-5.00 p.m.	L-ADD-08 Dr. Sameh Abdel-Hamid Real Time Monitoring of High Speed Tableting.



Dr. Adel Sakr is Board of Trustees Chair Advisor/Assistant for Graduate Studies, Research & International Affairs, Future University, Egypt, Emeritus Professor of Industrial Pharmacy & Pharmaceutics, and Director of the Industrial Pharmacy Graduate Program at the College of Pharmacy, University of Cincinnati Medical Center, USA. Dr. Sakr published more than 170 international research papers and presented more than 500 conference presentations, invited presentations and/or workshops. Dr. Sakr is an elected Fellow of the American Association of Pharmaceutical Scientists, FIP Fellow and Graduate Fellow of the University of Cincinnati. He is the recipient of the Distinguished Faculty Achievement Award of the University of Cincinnati, AAPS Outstanding Educator Award and Research Achievement Award in Manufacturing Science and Engineering.



Dr. M. Ihab Fetouh was graduated from Faculty of Pharmacy in 1968, University of Cairo. He worked for two years in Chemical Industries Development. He joined the academic staff at the department of pharmaceutics, Assiut University. He got this PhD from Al Azhar University 1984. Dr Ihab research interests focus on the development of optimized and targeted drug delivery systems. He has a track record of seventy international publications and served as a referee and editorial board member for many international organizations and scientific journals. Since 1993 he was appointed as professor of pharmaceutics and industrial pharmacy and as Dean Faculty of Pharmacy, Al Azhar University. In 2006 – till now, Dr Ihab joined as Dean Faculty of pharmacy, Egyptian Russian University.



Dr. Mohamed El Nabarawi is Professor of Pharmaceutics and Industrial Pharmacy and Vice Dean of Community and Environmental Development at Faculty of Pharmacy, Cairo University. He is the author/co-author of 70 publications, 5 patents, numerous posters presentations and supervisor for thirty master and twenty Ph.D. Theses. Prof. Dr. Nabarawi works in design, development, modification and characterization of advanced drug delivery systems for oral, nasal, buccal, and transdermal drug delivery systems and is assistant editor of Current trends in Biotechnology and Pharmacy Journal.



Dr. Mina Tadros, Associate professor of Pharmaceutics and Industrial pharmacy, Head of Drug Manufacture Unit, Faculty of Pharmacy, Cairo University. Dr. Mina delivered many undergraduate and postgraduate courses in Cairo University, MIU, MSA and FUE. He joined forty international conferences, workshops and training programs. He owns two patents and acts as a peer reviewer in fourteen international journals where he published many manuscripts dealing with novel nano-drug delivery systems.



Dr. Rania Hathout is an Assistant Professor at Department of Pharmaceutics and Industrial Pharmacy, Ain Shams University. She studied part of her Ph.D. at the University of Bath, UK. She also worked as a postdoctoral researcher in at Leiden University, The Netherlands. Rania published 15 research articles including 2 review articles. She also contributed to international conferences. Her main fields of expertise include: Ocular and Transdermal Delivery Systems.



Dr. Sameh Abdel-Hamid is an Assistant Professor at the Faculty of Pharmacy, Ain Shams University since 2012. He received his PhD in Pharmaceutical Technology at University of Basel, Switzerland in 2011. His research interests are focused on process optimization, technology transfer, and scale up for solid and semi-solid dosage forms.

workshop

Bedside Clinical Software to Optimize Individualized Drug Dosage Regimens

Al Hambra 2

Chairpersons: **Dr. Nirmeen Sabry, Dr. Naglaa Bazan**

The Library of Tools, and some Clinical Cases

9.00-9.45 a.m.	Dr. Ayman Noreddin TDM and Individualized Drug Therapy
9.45-10.30 a.m.	Dr. Roger Jelliffe <ul style="list-style-type: none">- Changing our thought processes - Planning the Initial Regimen. Set Specific Target, not a Range- Evaluating Renal Function- Describing assay errors by Standard Deviation, not CV%
10.30-11.00 a.m.	<i>Coffee break</i>
11.00-12.30 noon	Dr. Roger Jelliffe <ul style="list-style-type: none">- Population modeling - the nonparametric method, compared and contrasted with the parametric method- Estimating uncertainties in the clinical setting- Multiple Model Dosage Design - comparison with dosage design using parametric models – an example with Gentamicin – what do we know at this point?- Older and newer tools for optimal TDM monitoring protocol
12.30-2.00 p.m.	<i>Lunch break & Poster Sessions</i>

Bayes Theorem and Clinical Applications

2.00-2.30 p.m.	Dr. Ayman Noreddin Concentration versus Time Dependent Drugs-the growth and kill of organisms
2.30-3.15 p.m.	Dr. Roger Jelliffe <ul style="list-style-type: none">- Introduction to Bayes Theorem and Bayesian analysis for modeling individual patient behavior- Routine Bayesian analysis – an example with gentamicin – What do we know now? What has our TDM done for us?- Managing very unusual patients – the Hybrid Bayesian approach- TDM for a very unstable Tobramycin patient – the interacting multiple model approach



3.15-3.45 p.m.

Coffee break

3.45-5.00 p.m.

- Vancomycin
 - A q 12 h schedule
 - A Continuous IV infusion schedule
- Managing Digoxin Therapy
 - Digoxin Effect correlates not with serum levels, but with Peripheral Compartment Concentrations – the Reuning Model
 - Planning the Initial Regimen
 - Stating serum concentration target goals
 - Stating Peripheral Compartment target goals
 - Digoxin for chronic heart failure
 - Digoxin for Patients with Atrial Fibrillation and Flutter
 - The Falk Study in Patients with Atrial Fibrillation
 - Two patients with Atrial Fibrillation
- Outcomes with Individualized Therapy



Dr. Nirmeen Sabry, Assistant Professor of Clinical Pharmacy & Pharmacy Practice, Cairo University. Dr. Sabry obtained her PhD at King's College London 2004, and MSc of pharmaceuticals at Cairo University. She is a certified medication management consultant and clinical pharmacy trainer. Dr. Sabry is a member of the Scientific Council of the clinical pharmacy fellowship programme (MOH) since 2012 Dr. Sabry provided several medication management consultation services for hospital preparing for JCI accreditation in Egypt.



Dr. Naglaa Bazan, clinical pharmacy fellow at Critical Care Medicine Department, Cairo University Hospitals. She received her PhD in clinical pharmacy from Cairo University. She is a lecturer at different Egyptian Universities, a member of the scientific board of pharmacy of the Egyptian Clinical Pharmacy Fellowship and an expert pharmacy practitioner in community and intensive care setting. Her research is focused on pharmacogenetics and personalized medicine.



Dr. Ayman Noreddin has outstanding records of scientific and academic accomplishments with multiple research funding, numerous publications in highly prestigious journals and various presentations in both national and international conferences. He serves as a scientific reviewer for the NIH as well as other national and international research institutions.



Dr. Roger Jelliffe founder of the USC Laboratory of Applied Pharmacokinetics. He developed the first software for individualizing drug dosage regimens in 1967, and for estimating creatinine clearance in unstable patients. His laboratory developed what is now the USC Bestdose software for individualizing drug dosage regimens specifically with maximum precision, including different Bayesian methods for modeling individual patients in various clinical situations.



Pharmacology & Toxicology

Al Saraya 2

Chairpersons: **Dr. Nabila El-Maraghy, Dr. Ayman El-Khateeb**

9.00-9.45 a.m.	L-PT-01 Dr. Jorg Hoheisel Functional Genomics and Proteomics in Cancer Research, Non-Invasive Molecular Diagnosis, Precision Target Definition, and More
9.45-10.30 a.m.	L-PT-02 Dr. Hans Breitinger Ion channels as pharmaceutical targets – mechanistic characterization and the search for novel therapeutics
10.30-11.00 a.m.	<i>Coffee break</i>
11.00-11.45 a.m.	L-PT-03 Dr. Mahmoud El-Mas Peripheral and central mechanisms of cyclosporine-induced hypertension
11.45-12.30 noon	L-PT-04 Dr. Hesham Salem ICSPP: a new dry lab model
12.30-2.00 p.m.	<i>Lunch break & Poster Sessions</i>



Dr. Nabila Elmaraghy, Professor of Pharmacology and Vice Dean for Environmental Affairs Faculty of Pharmaceutical Sciences. She is a peer reviewer in the Egyptian scientific committee for upgrading pharmacology staff. She is member in many pharmacology societies and sharing in pharmacology conferences. Her point of interest is toxicology & endocrinology.



Aiman El-Khatib, Dean and Professor of Pharmacology and Toxicology at Faculty of Pharmacy, Cairo University. He held several positions including Vice Dean for Education and Students Affairs, Community Service and Environment Development. Additionally he held the post of Assistant Minister of Health and Population for Pharmaceutical Affairs. His primary research area of interest is investigation of pharmacological actions of natural products. He published numerous articles in international journals. He was awarded Cairo University Scientific Research Fosterage in field of Theoretical and Applied Biological Sciences in 2004, Silver and Gold Medal of Merit from Egyptian Syndicate of Pharmacists in 2004 and 2005.



Dr. Joerg D. Hoheisel, heads a division at the German Cancer Research Center (DKFZ). Simultaneously, he is chairman of the DKFZ Scientific Council. Before 1993, he worked at the Imperial Cancer Research Fund in London, UK. Previous to this, he did his studies and PhD in biology at Constance University, Germany. Dr. Hoheisel has 314 scientific publications; an additional 94 papers were published by members of the division without my co-authorship. 226 invited lectures at conferences. Inventor or co-inventor on 34 patents or patent applications; another 8 patents were filed by members of the division.



Dr. Hans-georg Breitinger got his Ph.D. in Organic Chemistry, University of Duesseldorf, Germany (1993), Postdoctoral Fellow, Cornell University (1993 – 1997), Associate Professor, Department of Biochemistry, University of Erlangen (1997 – 2004), Professor of Biochemistry, The German University in Cairo since 2004. He is currently Vice Dean for Academic Affairs of the Faculty of Pharmacy and Biotechnology. His research interest focused in the area of Neurobiochemistry / Neurobiophysics, Neuronal ion channels, Patch-clamp studies, Ion channel kinetics, Mechanisms of activation and inhibition of ion channels Isolation of novel pharmaceuticals from marine extracts and medicinal plants Viroporins, hepatitis C (characterization of the p7 viral ion channel).



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Dr. Mahmoud El-Mas, PhD 1990 (Alexandria Univ/Leeds Univ, U.K.); professor of Pharmacology 2000; Chair, Pharmacology, Pharmacy, Alexandria Univ.; Chair, National Scientific Committee on Faculty Promotion (Pharmacology and Clinical Pharmacy); 99 Publications in international journals; 79 abstracts in international conferences. Editorial board positions: of several outstanding journals. Awards: State Prize for Scientific Encouragement (twice), State Prize for Scientific Excellence, ACDIMA award (Jordan), Alexandria University Honorary Award, Distinguished Research Professor of Alexandria Univ., Silver and Gold Appreciation Medal Awards (General Syndicate of Pharmacists, Egypt).



Dr. Hesham Salem, Associate Professor of Pharmacology & Toxicology, Faculty of Pharmacy, Cairo University. Managing editor - Bulletin of Faculty of Pharmacy - Cairo University (B-FOPCU). Director of Computer centre (IT Pharma) at Faculty of Pharmacy, Cairo University (2010-2013). Vice dean for education and student affairs (acting as) – Faculty of Pharmacy, Beni Suf University (2011/2012).

ENREC MEETING

Al Saraya 2

Egyptian Network of Research Ethics Committees (ENREC) Periodical Meeting

2.00-5.00 p.m.



Dr. Azza Radwan, Professor of Clinical and Chemical Pathology at Theodor Bilharz Research Institute (TBRI). She received Diploma in TQM in Healthcare from AUC (2003), International Certificate in Research Ethics from USA (2007), Creator & Coordinator of the Egyptian Network of Research Ethics Committees (ENREC) (www.enrec.org) (since 2008), Member of the Technical Committee of RDIC-BEST (<http://www.rdic-best.eg.net/>) (since 2010), Appointed as one of 3 Ambassadors from Africa for MARC (Mapping African Research Ethics Review Capacity) project (since 2010). She is the Vice Chair of Magdy Yacoub Foundation, Aswan Heart Center REC (since 2012).



Dr. Hany Sleem, Consultant of Dermatology and Tropical Medicine Research Institute (NHTMRI). Head of the Dermatology and Andrology, Hepatology and Tropical Medicine Research Institute (NHTMRI). Certified Trainer in International Health Research Ethics, School of Medicine, and University of Maryland, USA. He is Vice Chair of the Committee Administrators AARECA. Co-Coordinator of the Egyptian Network of Research Ethics Committees (ENREC), IRB Chair of Egyptian Society of Health Care Development (ESHD).



Workshop

Al Saraya 3

Current Frontiers in Drug Design

Chairpersons: **Dr. Dalal Abou El Ella, Dr. Fady Awadallah**

9.00-10.30 a.m.	Dr. Fathi Halaweish - Structure-based drug design - Molecular docking
10.30-11.00 a.m.	Coffee break
11.00-12.30 noon	- Ligand-based approaches - Pharmacophore elucidation
12.30-2.00 p.m.	Lunch break & Poster Sessions
2.00-3.00 p.m.	Dr. Nasser Saad - Practical training on Visualization and Energy minimization of protein structure.
3.00-3.45 p.m.	- Molecular docking by libDOCK and CDOCKER protocols in discovery studio.
3.45-4.30 p.m.	- QSAR using Multiple Linear Regression and Genetic Function Approximation protocols.
4.3-5.00 p.m.	General Discussions & Conclusion



Dr. Dalal Abou El Ella, Chair and Professor of Medicinal Chemistry - Pharmaceutical Chemistry Department- Faculty of Pharmacy-Ain Shams University. She got her PhD in 1988 from Karl Franzens University, Graz, Austria. Prof. Dalal holded various administrative positions in different universities including king abdulaziz university, Saudi Arabia. Dr Dalal Published a number of research articles in outstanding Journals in the area of Drug Synthesis and Computer aided Drug Design. Also She supervised a number of of MSc and PhD thesis.



Dr. Fadi Awadallah, associate professor of Pharmaceutical Chemistry and director of the Microanalytical Unit, Faculty of Pharmacy, Cairo University. His scientific interests focused on the design and synthesis of compounds of pharmacological interest. He supervised a number of Ph.D. and MSc. students. So far, his scientific production is reported in more than 18 publications in leading international journals.



Dr. Fathi Halaweish, is a professor of Chemistry at South Dakota State University, USA since 1996. Dr. Halaweish is a graduate of Faculty of Pharmacy, University of Mansoura (1976) and University of Cardiff, Wales, UK (Ph.D. 1987). Halaweish research is focused on in silico approaches of drug discovery from natural products.



Dr. Nasser Saad, associate professor of pharmaceutical chemistry, Future University, Egypt. 2011-2014 He was acting head of Pharmaceutical chemistry department, Ain Shams University. Post-doctor in Hoshi University, Tokyo, Japan. His scientific interests focused on using molecular modeling for development of anti-HCV, anti-tumor, anti-hypertension, hypnotics, and anti-malarial agents. His scientific production is reported in more than 25 international journals and three patents.



11/2/2015

Drug Development and Drug Discovery

Al Hambra 1

Chairpersons: **Dr. Ramzia El- Bagary, Dr. Said Bayomi, Dr. Mohammed Abdelkawy**

9.00-9.45 a.m.	L-DD-05 Dr. Jochen Lehmann Medication of Alzheimer's disease – Status quo and future hopes
9.45-10.30 a.m.	L-DD-06 Dr. Khairia Youssef Newly Designed and Synthesis of Curcumin Analogs: In vitro Assessment as Antioxidant, Cytotoxic Tubulin Polymerization Activities and In vivo Assessment as Anticancer Agents.
10.30-11.00 a.m.	<i>Coffee break</i>
11.00-11.45 a.m.	L-DD-07 Dr. Mohamed Gomaa Newer CYP 26 enzyme inhibitors as more selective and effective therapy in the battle of Cancer; Design synthesis and optimization.
11.45-12.30 noon	L-DD-08 Dr. Medhat Al-Ghobashy Analytical Biotechnology for Biopharmaceutical Drug Discovery, Characterization and Control.
12.30-2.00 p.m.	<i>Lunch break & Poster Sessions</i>



Dr. Ramzia El-Bagary, Professor of Pharmaceutical Chemistry Faculty of Pharmacy, Cairo University, received her PhD in 1990. She was Head of the Department, 2010; Vice Dean, 2011 and now she is Professor and Head of the Department, Faculty of Pharmaceutical Sciences, Future University, since 2014. Dr. Ramzia is a reviewer in a number of outstanding journals, her scientific efforts appeared in more than 60 remarkable articles.



Dr. Said Bayomi, professor of medicinal chemistry, faculty of pharmacy, Mansoura University. He got Ph.D. in 1980 from Osaka, Japan. He was chairman of the department of the medicinal chemistry, in 1998 and vice dean for graduate studies and research at faculty of pharmacy, mansoura university in 1995. He was awarded the University Scientific excel in pharmaceutical sciences in 1998/99 and was nominated as International Man of the year 97/98 by the international Biographical Center Cambridge, England. He was also elected as a member of the American Institute of Chemists in 1986. He has 65 publications in international journals.



Dr. Mohammad Abdelkawy, Professor of Analytical Chemistry, Faculty of Pharmacy, Cairo University since 2001. Dr. Abdelkawy received his Ph.D. in 1987. He was Head of the department of Analytical Chemistry, Cairo University (2008- 2010). Supervisor of the Department of Analytical Chemistry, Beni-Suef University (2003 - 2011). His scientific efforts published in more than 100 articles in most outstanding analytical journals.



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Dr. Jochen Lehmann, Friedrich-Schiller-University Jena, PhD in organic chemistry; 1980-2002: Professor for pharmaceutical chemistry, Bonn, Hamburg. Since 2002: Professor of medicinal chemistry, Jena. 2002-2011: Chairman Institute of Pharmacy; 2005-2011: Dean. Since 2011: Guest professor, university of Bonn. Research topics: Heterocycles, GPCR ligands, NO donors, Alzheimer's disease. Ca. 200 publications and several patents.



Dr. Khairia Youssef, Professor of Pharmaceutical Organic Chemistry supervised many researchers and teaching assistants. Professor Youssef published more than 60 publications into National and International Journals in the field of Drug Synthesis. The most recent papers were published between years 2007-2014 while Professor Youssef has been worked at FUE. From time of graduation till now Dr. Khairia taught different undergraduate and post-graduate courses.



Dr. Mohamed Gomaa is an associate professor of medicinal chemistry, faculty of pharmacy Suez Canal University. He did his PhD in drug design and synthesis (Cardiff University, UK). Mohamed's work attracted fund from cancer research UK and Egyptian ministry of higher education. His work has been presented at both national and international meetings and has been published in highly prestigious scientific journals. He is also a reviewer for many scientific journals. He was a research associate at Cardiff University, UK, visiting professor University of Alberta, Canada, Misrata University, Libya, and, adjunct professor MSA university, Sinai University, MTI university, Egypt.



Dr. Medhat Al-Ghobashy, leader of the Bioanalysis Research Group, Faculty of Pharmacy, Cairo University has a solid background in the field of biopharmaceutical product development and evaluation. He is currently involved in several research projects in collaboration with industry covering the development and characterization of nano-formulations for biotechnology-derived drugs. He is also an active member of the National Committee of Pure & Applied Sciences (ASRT) representing Egypt at the IUPAC.

Natural Products and Phytotherapy

Al Hambra 1

Chairpersons: **Dr. Osama Salama, Dr. Soad Abdel Khalik, Dr. Farid Badria**

2.00-2.45 p.m.	L-NP-01 Dr. Fathy Halawish In Silico Advances in Drug Discovery from Natural Products
2.45-3.30 p.m.	L-NP-02 Dr. Ehab Aburashed Implications of Secondary Metabolite Content Variation on Potential Benefits of Medicinal Plants.
3.30-4.15 p.m.	L-NP-03 Dr. Hesham El-Askary Development of Hepatoprotective Nutraceuticals from Egyptian Plants
4.15-5.00 p.m.	L-NP-04 Dr. Mohamed A. Farag Metabolomics Gateway for Milestone Discoveries in the Post Genomic Era



Dr. Osama Salama, Vice President of Future University, Cairo, Egypt. He Received his Doctor of Natural Sciences, (Dr. Nat. Sc.) in Phytochemistry from Institute of Pharmacy, Eidgenössische Technische Hochschule, Zürich, (ETHZ) Switzerland. His experience covers academia and industry. Dr. Salama spent about 20 years in R&D and QC for pharmaceutical drugs. His experience covers pharmaceutical development, preclinical development, clinical trials supplies and regulatory affairs. He has supervised and participated in innovation of two novel drugs for treatment of Schistosomiasis & Fasciolcasis and HCV. He has published about 100 research papers in national and international Journals.



Dr. Soad Abdel Khalik, got her PhD from Cairo University 1994. She is Professor- Head of Pharmacognosy Department, Helwan University and Director of University Projects Management Unit. She is Advisor to the Minister of Higher Education for Private Universities. She supervised (9) PhD and (11) MSc and published "18" articles in international journals.



Dr. Farid Badria, professor of Pharmacognosy, graduated from University of Mississippi, USA, and 2 Masters in Pharmacognosy and Cell Biology from Mansoura University and University of Minnesota. He Received TWAS-Prize for "Public Understanding and Popularization of Science" (2013), World Intellectual Property Organization Gold Medal, (2011); State Recognition Outstanding Award in Medicine (Egyptian Academy of Science) 2001; Outstanding Arab Scholar, Kuwait (2000); Khawrazmi International Award, Iran (2000), are just to mention some of the awards he received. Prof. Badria has 16 patents., over 128 publications, 4 books, editor of Pharmacotherapy books.



Dr. Fathi Halaweish, is a professor of Chemistry at South Dakota State University, USA since 1996. Dr. Halaweish is a graduate of Faculty of Pharmacy, University of Mansoura (1976) and University of Cardiff, Wales, UK (Ph.D. 1987). Halaweish research is focused on in silico approaches of drug discovery from natural products.



Dr. Ehab Abourashed is a graduate of the Faculty of Pharmacy, Cairo University with an M.S. in Organic Chemistry (University of Tennessee) and a Ph.D. in Pharmacognosy (University of Mississippi). He is currently Associate Professor at the Chicago State University College of Pharmacy. Dr. Abourashed has diverse experience in both academia and the private sector with research interests that include isolation, structure elucidation and microbial transformation of biologically active natural products; phytochemical, environmental and biochemical analysis; and herbal medicine. Dr. Abourashed has more than 100 publications and presentations and is the co-author of one textbook. He is also a reviewer for many scientific journals and an editorial board member of the journal 'Antioxidants'.



Dr. Hesham El-Askary, Professor of Phytochemistry and Medicinal Plants, Faculty of Pharmacy, Cairo University, previous vice-dean in 3 different faculties of pharmacy in Egypt. Dr. El-Askary got his Ph.D. from Marburg/Germany in 1994. He was a consultant for several pharmaceutical companies, for the *Supreme Council of Universities* and for the Ministry of Health and Population (as a member in the *Technical Committee* for drug registration and in the *Scientific Committee* for herbal and dietary supplements). He has several national and international projects and publications.



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Dr. Mohamed A. Farag, specialized in plant metabolomics, Dr. Farag completed his PhD at Texas Tech University, USA. In 2005, after working at The Noble Foundation USA, he became a lecturer in the Faculty of Pharmacy, Cairo Univ. Since 2009, Dr. Farag has been working as a visiting professor at the Technical Univ. Munich, Germany and in 2010 he received the Alexander von Humboldt fellowship.

Symposium

Pharmaceutical Regulatory Affairs

Al Saraya 4

Chairpersons: **Dr. Manal Kandeel, Dr. Omar El-Amady, Dr. Tarek Salman**

9.00-9.45 a.m.	Dr. Kamal Sabra Urgent Need to Restructuring of the Egyptian Drug Authority
9.45-10.30 a.m.	Dr. Abdel Aziz Saleh Unifying of Pharmaceutical Regulations, WHO Perspectives.
10.30-11.00 a.m.	<i>Coffee break</i>
11.00-11.45 a.m.	Dr. Mohy Hafez Egyptian Drug Authority
11.45-12.30 p.m.	General Discussions & Conclusion
12.30-2.00 p.m.	<i>Lunch break & Poster Sessions</i>



Dr. Manal Kandeel, Professor of Pharmaceutical Organic Chemistry at Faculty of Pharmacy, Cairo University and currently Vice Dean for Postgraduate Studies and Research Affairs, at Faculty of Pharmaceutical Sciences, Future University, Egypt. Formerly, Vice Dean for Postgraduate Studies and Research Affairs and for Community Service and Environment, at Faculty of Pharmacy, Cairo University. Her primary research area is design, synthesis, structure elucidation, and development of anticonvulsant, antimicrobial and anticancer agents. She published numerous articles in various national and international journals.



Dr. Omar El-Ahmady is director of R&D and Quality; and member Of the board of EIPICO, Egypt. As a professor of Biochemistry and Emeritus dean of college of pharmacy, Al Azhar University, he founded the tumor markers research center and advised/co-advised more than 100 M.S. and Ph.D. students. He published more than 140 publications and presented more than 200 international presentations to conferences all over the world. He received many awards including the Egyptian National Award in Biological Sciences.



Dr. Tarek Salman, Assistant Minister of Health and Population for Pharmaceutical Affairs in Egypt. He is a former Vice-Dean and Head of Biochemistry Department, Faculty of Pharmacy, Al-Azhar University. He got his Ph.D in 1991, and since then, he had been a member in many dissertation committees and supervised over sixty dissertations and theses.



Dr. Kamal Sabra, professor of clinical Pharmacy at UCC and at the faculty of health science, Trinity College Dublin. He was the head of corporate pharmaceutical unit in Ireland. He was the minister of health assistant for pharmaceutical affairs. Dr. Sabra is a fellow of the pharmaceutical Society of Ireland. Past President of the European Hospital Pharmacists Association, established the largest European annual pharmaceutical congress and also the European Journal for Hospital Pharmacy. He is a Visiting Professor to a number of European, American and Middle Eastern universities. Worked in the pharmaceutical industry and held a QP status with the Irish Medicines Board. Have over 170 published papers and text book. Supervised a large number of Masters and PhD students.



Dr. Mohy Hafez, Head of the Division of medicines and board member of the Chamber of the pharmaceutical industry, medical supplies, nutritional supplements and cosmetics, He is also President of the Export Council for unconventional Industries and board member of the Export Council for Medical Industries. In addition, he is the Chief of Division of Pharmaceutical Industries and chairman of the Committee of Health and Medical Industries at the investors Association and Board of Trustees of 10th of Ramadan.

Advances in Drug Delivery Approaches Original Research Presentations

Al Saraya 4

Chairpersons: **Dr. Hanan El Laithy, Dr. Dalia Shaker**

2.00-2.20 p.m.	O-ADD-01 Khalid Hosny Biodegradable in situ gel loaded with alendronate sodium as controlled release depot intramuscular injection to overcome barriers for the treatment of osteoporosis
2.20-2.40 p.m.	O-ADD-02 Hend Shahin Design and <i>In-vitro</i> / <i>In-vivo</i> Evaluation of Ultra-thin Mucoadhesive Buccal Film containing Fluticasone Propionate.
2.40-3.00 p.m.	O-ADD-03 Dina Mostafa Topical Folic Acid Encapsulated Nanostructured Lipid Carriers with Promoted Cutaneous Benefits.
3.00-3.20 p.m.	O-ADD-04 Ramy Elsergany Fast disintegrating tablets of nisoldipine for oral administration.
3.20-3.40 p.m.	O-ADD-05 Aya Elfouly Effect of additives on the physical properties of acrylic polymeric films.
3.40-4.00 p.m.	O-ADD-06 Malleh Kurakula Chitosan based atorvastatin nanocrystals: Effect of cationic charge on particle size, formulation stability and <i>in-vivo</i> efficacy.
4.00-4.20 p.m.	O-ADD-07 Noha Nafeea Antibiotic-free nanotherapeutics: Ultra-small, mucus-penetrating solid lipid nanoparticles enhance the pulmonary delivery and anti-virulence efficacy of novel quorum sensing inhibitors.
4.20-5.00 p.m.	General Discussions & Conclusion



Dr. Hanan El Laithy, Professor of Pharmaceutics, Faculty of Pharmacy, Cairo University. She earned her Ph.D. at Christian Albrecht University, Kiel, Germany in 1998. Her main research interest focused on nano and advanced pharmaceutical technology for drug delivery. Hanan guided Cairo University bioequivalence center for several years as the executive director. In 2013, Hanan worked at a unique administrative level with Egyptian Ministry of Health and Population as the executive director of Central of Administration and Pharmaceutical Affairs.



Dr. Dalia Shaker, Professor of Pharmaceutics at the College of Pharmacy, Future University, Cairo, Egypt. She has Nineteen years of academic and industrial experience in Pharmaceutical Sciences; her doctoral research was performed at the University of Utah, and her post doctorate research was conducted at Oregon State University, Corvallis, Oregon, USA. Her research in ocular, transdermal, targeting drug delivery and biotechnology has resulted in twenty six publications in international journals and fourteen presentations at international conferences.

Pharmacy Practice & Clinical Pharmacy

Al Hambra 2

Chairpersons: **Dr. Ebtissam Darweesh, Dr. Manal El Hamamsy**

9.00-9.45 a.m.	L-PP-01 Dr. Ayman Noreddin Novel Pharmacodynamic Target Attainment Indices Based on Genetically Driven Break Points for <i>S. pneumoniae</i> . A Case for the Treatment of Community Acquired Pneumonia (CAP).
9.45-10.30 a.m.	L-PP-02 Dr. Roger Jelliffe Individualizing Dosage Regimens for Patients: Learning about each one optimally while treating him/her (Controlling their PK model, and thus each patient) at the same time.
10.30-11.00 a.m.	<i>Coffee break</i>
11.00-11.45 a.m.	L-PP-03 Dr. Stephen Byrne STOPP/START Version 2 - Polypharmacy, Care of the Older Person, The potential role of a pharmacist
11.45-12.30 noon	L-PP-04 Dr. Amr Saad The new Common Arab guidelines for Pharmacovigilance
12.30-2.00 p.m.	<i>Lunch break & Poster Sessions</i>



Dr. Ebtissam Darweesh is head of department of Pharmacy Practice and Clinical Pharmacy at Faculty of Pharmaceutical Sciences future university in Egypt, Professor of Medical Pharmacology at Faculty of Medicine Cairo University. She is a member of the steering committee of Egyptian Infectious Disease Fellowship, and Egyptian Society of Pharmacology and Experimental Therapeutic . Peer reviewer for higher education at The Egyptian National Authority for Quality Assurance and Accreditation of Education NAQAAE Her research interestis clinical pharmacology and family medicine.



Dr. Manal El Hamamsy, Professor of Clinical Pharmacy and Dean of Faculty of pharmacy, Ain Shams University, where she is involved in the construction and scheduling of course content, lecturing, and student evaluations for under and post graduate students. She is a member of the following societies: ESCP, ACCP and ISPOR. She has been awarded with numerous honors and has participated in 58 national and international conferences where she has published 52 full scientific researches in national and international scientific journals and more than 35 posters in national and international events.



Dr. Ayman Noreddin, has outstanding records of scientific and academic accomplishments with multiple research funding, numerous publications in highly prestigious journals and various presentations in both national and international conferences. He serves as a scientific reviewer for the NIH as well as other national and international research institutions.



Dr. Roger W. Jelliffe, founded the USC Laboratory of Applied Pharmacokinetics. He developed the first software for individualizing drug dosage regimens in 1967, and for estimating creatinine clearance in unstable patients. His laboratory developed what is now the USC Bestdose software for individualizing drug dosage regimens specifically with maximum precision, including different Bayesian methods for modeling individual patients in various clinical situations.



Dr. Stephen Byrne Chair of Clinical Pharmacy Practice and Head of the School of Pharmacy since 2013. Stephen graduated from the University of Sunderland in 1996 with degree in Pharmacy, and clinical training in Scotland. In 2002 he graduated from Trinity College Dublin having his PhD in the area of non physician management of oral anticoagulant therapy and he was the first person in Ireland to undertake a PhD in the field of Clinical Pharmacy Practice. Among his many research achievements he is part of a UCC team that developed the STOPP/START screening tool that was first published in 2008. His research team is also working in the field of antimicrobial usage patterns and he was part of a multidisciplinary team to published the first set of antimicrobial guidelines in 2011.



Dr. Amr Saad got his Ph.D. in Epidemiology from The University of Manchester in UK in 2009. He participated in more than 200 national and international conferences where he published many scientific researches all of which are abstracted in the PubMed, and more than 50 posters and countless numbers of speeches in national and international events. He is a well-known worldwide figure in the field of Pharmacovigilance and drug safety monitoring. Currently he is the Head of the Egyptian Pharmaceutical vigilance Center (EPVC) at the Central Administration for Pharmaceutical Affairs (CAPA). He is also a Lecturer of clinical pharmacy at Future University of Egypt (FUE), Misr International University (MIU), Cairo University & Ain Shams University.

Clinical Pharmacy & Clinical Pharmacology Original Research Presentations

Al Hambra 2

Chairpersons: **Dr. Maha El-Sawalhi, Dr. Abdel-Hameed Ebid,**

2.00-2.20 p.m.	O-PP-01 Mushtak Al-Ouqaili Based on Molecular level, A Study of Hepatitis C in AL-Anbar Governorate, West of Iraq.
2.20-2.40 p.m.	O-PP-02 Noha Salah Prevalence of Potential Drug- Drug Interactions in Oncology Patients and the Impact of The Clinical Pharmacist on Patients' health care in one of the Major Egyptian Hospitals.
2.40-3.00 p.m.	O-PP-03 Naglaa Bazan Evaluation of medication errors in Egyptian critically ill patients with renal insufficiency: A retrospective study emphasizing the need for optimizing clinical pharmacy service.
3.00-3.20 p.m.	O-PT-01 Sally AlAwdan Anti-inflammatory, anti-nociceptive and anti-arthritic effects of antidepressants in rats.
3.20-3.40 p.m.	O-PT-02 Reem Tarek



3.40-4.00 p.m.	Potential Cytotoxic Efficacy of Glufosfamide In Prostate Cancer Cells. O-PT-03 Yousra Abdel-Mottalb
4.00-4.20 p.m.	Cardiac alterations and mode of action of the Egyptian Scorpion venom <i>Androctonus bicolor</i> on isolated toad's heart. O-PT-04 Mai Tolba
4.20-4.40 p.m.	Effect of Increased Reactive Oxygen Species on microRNA Expression profile in First Trimester Placental Trophoblasts. O-PT-05 Dalia El-Khouly
4.40-5.00 p.m.	Thymoquinone: evidence for antifibrotic effect General Discussions & Conclusion



Dr. Maha El-Sawalhi, Professor of Biochemistry & head of Pharmacology & Biochemistry Department, Faculty of Pharmaceutical Sciences & Pharmaceutical industries, Future University in Egypt. She is Professor of Biochemistry, Faculty of Pharmacy, Cairo University. She has more than 25 years of academic Experience. Major research interests are in Diabetes Mellitus, Ischemia/Reperfusion injury & Oxidative Stress Sequels.



Dr. Abdel-Hameed Ebid, professor of Clinical Pharmacy, former Dean and now Chairman Department of Pharmacy Practice, Faculty of Pharmacy, Helwan University. Postdoctoral researcher at the Department of Pharmacy Practice, State University of New York at Buffalo, USA. Holder of Innovation excellence in the clinical research work from the department of Pharmacy Practice, SUNY, USA. Holder of Scientific Research Award in Basic Science and Technology, awarded by Helwan University. Former member of Pharmacy Sector Committee, Supreme Council of Universities. Reviewer of the "Scientific Promotion Committee-Pharmacology and Clinical Pharmacy. Expert in Clinical Pharmacy; practice and education, with more than thirty years experience in academic and clinical education in pharmacy. More than fifty publication in international journals.

Biotechnology (Biochemistry & Microbiology)

Al Saraya 2

Chairpersons: **Dr. Mohamed Toema, Dr. Zainab Abdeltawab**

9.00-9.45 a.m.	L-BM-01 Dr. José M. R. Munoz Molecular diagnosis of parasites diseases, present and future.
9.45-10.30 a.m.	L-BM-02 Dr. Rania Siam The Atlantis II Red Sea brine pool: A factory for the identification of unique biocatalysts
10.30-11.00 a.m.	<i>Coffee break</i>
11.00-11.30 a.m.	L-BM-03 Dr. Tamer Esam Optimized bio-surfactant production by organic pollutants biodegrading bacterial isolates
11.30-12.00 noon	L-BM-04 Dr. Ahmad Attia Bacterial Secretome; Secrets and Potentials
12.00-12.30 noon	L-BM-05 Dr. Ramy Aziz The Human Microbiome Project and the emerging field of pharmacomicrobiomics
12.30-2.00 p.m.	<i>Lunch break & Poster Sessions</i>



Dr. Mohamed Toema is a Professor of Microbiology and Immunology. He got his Ph.D degree in Microbiology from Wisconsin State University, Madison, USA, in January 1967. In 1983, he was an exchange Professor to College of Education Boston University, Massachusetts, USA. During his scientific career, he worked as Professor in Schools of Pharmacy and Medicine in several Arab countries, in addition to his permanent position at Cairo University. He supervised many graduate students, and joint scientific research projects with German, and USA universities. He published more than seventy articles in the field of microbiology and biotechnology.



Dr. Zeinab Hassan is a Professor of Biochemistry & Mol. Biol., at Helwan University. She granted her B.Sc from Cairo Uni., Egypt and got her Ph.D. from Bonn Uni., Germany. During her career she supervised many M.Sc., Ph.D. thesis at different Universities and research institutes. She occupied several top academic professions as a Head of Biochemistry Dept., Vice Dean of Faculty of Pharmacy and a Dean of Nursing Faculty in Helwan University. In addition she worked as a Head of Biochemistry Sub-Dept. in King Saud University, Zagazig University and Future University. Among her fields of interest are Diabetes, Cancer, Hepatitis and advances in molecular biology techniques. She has a good scientific reputation and a lot of national and international publications.



Dr. José Miguel Rubio got his PhD in 1992 at the Universidad Autónoma de Madrid, where he also did his studies on Biological Sciences. Since 2007, he is Head of the Malaria & Emerging Parasitic Diseases Laboratory in the National Microbiology Center, Instituto de Salud Carlos III in Madrid, Spain. He was previously a researcher at the same institution since 1998, and before that he had several postdoctoral stays at the University of Norwich (UK), University La Sapienza in Rome (Italy), Institute of Molecular Biology in Crete (Greece) and Wageningen Agricultural University (Netherlands).



Dr. Rania Siam, chair of the Biology Department and an associate professor of microbiology at The American University in Cairo. She holds a Microbiology and Immunology PhD from McGill University, Montreal. Siam held several postdoctoral positions including McGill Oncology Group, Canada, Salk Institute for Biological Studies and TSRI, USA.



Dr. Tamer Essam has been graduated from Faculty of Pharmacy, Cairo University at the year 2002. He got his PhD from Lund University, Sweden in the field of Biotechnology at the year 2006. Dr. Tamer is currently, an assistant professor at the Department of Microbiology and Immunology and the director of the Biotechnology Centre, Faculty of Pharmacy, Cairo University. He is also the head of the Biotechnology and life sciences Department, Faculty of Postgraduate Studies for Advanced Sciences, Beni Suf University.



Dr. Ahmad Attia, Assistant Professor, Faculty of Pharmacy, Cairo University, obtained his PhD from UT Southwestern, USA, followed by a postdoctoral fellowship at Vanderbilt University, USA. He works on identifying novel microbial therapeutics and the development of new biotechnological products. He was awarded the State “Dawla” Encouraging Award (2013) in Advanced Technological Sciences.



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Dr. Ramy Aziz, Assistant Professor at the Department of Microbiology and Immunology, Faculty of Pharmacy, Cairo University. He earned his PhD from the University of Tennessee, USA in 2005. His current research interests are molecular epidemiology, systems biology of microbial pathogens, microbial and bacteriophage genomics/metagenomics, and pharmacomicrobiomics.

Biotechnology (Biochemistry and Microbiology) Original Research Presentations

Al Saraya 2

Chairpersons: Dr. Abdel-Gawad Hashem, Dr. Amal Emad ElDin

2.00-2.20 p.m.	O-BM-01 Khalid Aboshanab Pathway Engineering For the Production of Antibiotics Using Genetically Modified Antibiotic Producing Strains.
2.20-2.40 p.m.	O-BM-02 Mahmoud Al-Sabah The biochemical value of urinary metalloproteinases 3 and 9 in diagnosis and prognosis of bladder cancer in Egypt.
2.40-3.00 p.m.	O-BM-03 Heba Atef Diagnostic Evaluation of Urinary Angiogenin (ANG) and Clusterin (CLU) as Biomarker for Bladder Cancer
3.00-3.20 p.m.	O-BM-04 Ahmed Akabawy PTPN22 is a Good Candidate Susceptibility Gene for Type 1 Diabetes; a Clinical Study on Egyptian Population.
3.20-3.40 p.m.	O-BM-05 Gihan El Batouti Comparisons of Community-Associated Methicillin-Resistant <i>Staphylococcus aureus</i> (MRSA) and Hospital-Associated MSRA Infections: Analysis of <i>mec</i> gene and staphylococcal cassette chromosome.
3.40-4.00 p.m.	O-BM-06 Sally Hassanein Vitamin D and cardiovascular disease in Egyptian patients.
4.00-4.20 p.m.	O-BM-07 Salma Hussein Characterization of the BpeE/F-OprC Efflux System in <i>Acinetobacter baumannii</i> .
4.20-4.40 p.m.	O-BM-08 Marwa Tammam Intestinal Amebiasis in Egypt, Is the situation correctly evaluated?
4.40-5.00 p.m.	General Discussions & Conclusion



Dr. Abdel-Gawad Hashem, Professor of Microbiology and Immunology, Faculty of Pharmacy, Cairo University. He was the Vice Dean for postgraduate affairs and Research, Bene-Suef University 2004-2006 and the head of Microbiology and Immunology, Cairo University 2006-2010. He was also a visiting professor in Future university, ACU, BUE, MUST and Alberta university (Canada). His experience focused on isolation and identification of bacteria, screening for microbial enzymes for pharmaceutical application, microbiological analysis of formulated chemotherapeutics, molecular biology and genetic engineering. He is a microbiological consultant for several Pharmaceutical Companies. He is a referee for national and international journals. He is co-author of 63 published research articles.



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Dr. Amal Emad Eldin, Assistant Professor and Chair of the Department of Pharmaceutical Microbiology, Faculty of Pharmaceutical Sciences and Pharmaceutical industries, FUE in Egypt. She has been graduated and got her Ph.D. (2006) from Faculty of pharmacy, Cairo University in the field of Microbiology & Immunology. From 2006-2012: lecturer at the Microbiology & Immunology Department, Faculty of Pharmacy, Cairo University. From 2012- 8/2014: assistant Professor at the same department. Research topics include biotechnology, antimicrobial resistance and probiotics.

Closing Remarks

Contact US

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