

PROGRAMME OF THE 3RD INTERNATIONAL BABYLON CONFERENCE ON CLINICAL AND EXPERIMENTAL PHARMACOLOGICAL RESEARCH

College of Pharmacy, University of Babylon, Hillah, Iraq; 29–30 June 2026

 Opening ceremony

 Conference session

 Keynote speaker

 Social event, break, lunch, *etc.*

MONDAY 29 JUNE 2026

TIME	HALL 1
10:00–11:00	OPENING CEREMONY Speech of the President of University Prof. Dr Amean A. Yasir Speech of the President of Conference Prof. Dr Hussam W. Al-Humadi Other opening ceremony activities
11:00–12:00	OPENING SESSION (SESSION 1) Session Chair: Prof. Dr Asim A. Balakit Session Co-Chair: Dr Mohammed Obies
11:00–11:30	From inception to impact: Iraq's pharmacovigilance journey Manal M. Younus
11:30–12:00	Evolving role of surgical intervention in spontaneous intracerebral haemorrhage: evidence from the STICH, MISTIE II / III, and ENRICH trials Alexios Bimpis (ONLINE)
12:00–12:30	SOCIAL NETWORKING; BREAK

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TIME	HALL 4	HALL 5
12:30–13:20	SESSION 2 Session Chair: Dr Riyadh Hadi Hashim Session Co-Chair: Dr Ahmed Faisal Obeid	SESSION 3 Session Chair: Prof. Dr Selman Mohammed Selman Session Co-Chair: Dr Majed Kadhim Abbas
12:30–12:40	Protective effects of a <i>Tephrosia purpurea</i> extract, alone and in combination with N-acetylcysteine, on the hepatic injury and critical liver function markers of rats exposed to carbon tetrachloride [3BC-025] Huda I. Al-Khafaji	Suicidal ideation as an adverse effect of fluoroquinolones: a review of recent evidence [3BC-061] Zahraa Hazim
12:40–12:50	Protective effects of a <i>Capparis spinosa</i> extract, alone and in combination with silymarin, on the hepatic injury and critical liver function markers of rats exposed to acetaminophen [3BC-031] Abrar Abdulkareem Jawad	Efficacy of non-steroidal anti-inflammatory drugs in the pain management of acute renal colic and irritable bowel syndrome: evidence from an Iraqi emergency department [3BC-069] Hala Saad
12:50–13:00	The utility, effectiveness, and challenges of the use of antibody–drug conjugates in targeted cancer therapy: a narrative review [3BC-049] Riyadh A. Yahia	Impact of the COVID-19 vaccination on hair loss: a study on vaccinated individuals from the Babil Province (Iraq) [3BC-070] Oday A. Mahdi
13:00–13:10	Protective effects of herbal extracts against drug-induced toxicity: a review of pharmacological evidence and mechanisms [3BC-058] Timaa Mohammad Mohammad	C3 and C4 complement consumption patterns as predictors of haemolysis severity in Iraqi autoimmune haemolytic anaemia patients: a study employing a multimarker integration approach [3BC-072] Zaman I. L. Al-Kaabi
13:10–13:20	The translational research potential of Iraq's native fauna: the desert gerbil (<i>Psammomys obesus</i>) as a non-genetic model of diet-induced metabolic syndrome progression [3BC-060] Noor Dheyaa Kadhim	Pathophysiological mechanisms and emerging pharmacological strategies in sepsis-associated multiple organ dysfunction: a review [3BC-057] Maryam Ali Al-Dhawalim
13:20–13:30	BREAK	

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TIME	HALL 4	HALL 5
13:30–14:10	SESSION 4 Session Chair: Prof. Dr Ghufraan Mohammed Hussein Session Co-Chair: Dr Isama Hamza Radeef	SESSION 5 Session Chair: Prof. Dr Dhafer Qahtan Session Co-Chair: Dr Noor Hadi Eysa
13:30–13:40	Effects of dietary probiotic supplementation on the serum reproductive hormone levels of rats subjected to high-fat diet- and letrozole-induced experimental polycystic ovary syndrome [3BC-002] Bassam Hasan	Pharmacological approach to tooth regeneration <i>via</i> uterine sensitization-associated gene-1 inhibition [3BC-065] Zahraa Abbas Mohsin
13:40–13:50	The roles of liraglutide and visfatin in metabolic and inflammatory regulation: a review [3BC-027] Suleiman Mufid	Critical serum cytokine levels of rats subjected to high-fat diet- and letrozole-induced experimental model of the polycystic ovary syndrome: modulation by dietary probiotic supplementation [3BC-003] Bassam Hasan
13:50–14:00	Comparative assessment of the effects of resatorvid and sulfasalazine on disease severity, intestinal histopathology, as well as inflammation and oxidative stress markers in a murine experimental model of ulcerative colitis [3BC-015] Baneen Abbas Altaay	The modulatory role of semaglutide on nesfatin-1 in metabolic disorder: a review [3BC-013] Ghufraan Hussein
14:00–14:10	Molecular basis of drug-induced organ toxicity and advances in protective pharmacological interventions: a review [3BC-043] Noor Mzedawee	Evaluating the barriers to glycaemic control in Iraqi patients with type 2 diabetes: the impact of lifestyle, medication adherence, and clinical inertia [3BC-042] Fatimah Abbas Hatif
14:10	LUNCH	

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TUESDAY 30 JUNE 2026

TIME	HALL 4	HALL 5
09:00–10:00	SESSION 6 Session Chair: Prof. Dr Shafaq Kadhim Session Co-Chair: Prof. Dr Lena Fadhil	SESSION 7 Session Chair: Prof. Dr Rafal Jalil Al-Saigh Session Co-Chair: Dr Shakir A. Abdul-Hussein
09:00–09:10	Development and physicochemical characterization of selenium nanoparticles stabilized and functionalized by hyaluronic and gallic acid [3BC-007] Dhuha Al-Hasnawi	Study of a novel series of 1,2,4-triazole derivatives: synthesis, spectroscopic characterization, and <i>in silico</i> assessment as antifungal substances [3BC-009] Saja Alsalty
09:10–09:20	Niosomes as versatile nanocarriers: a review of recent application advances and challenges [3BC-039] Maryam Maan	Novel thiadiazole–thiourea hybrids targeting the vascular endothelial growth factor receptor 2: design, synthesis, characterization, and <i>in silico</i> assessment [3BC-044] Noora A. Al-Jubouri
09:20–09:30	A novel polyethylene glycol / graphene oxide composite as a nanocarrier of methylprednisolone: synthesis and physicochemical characterization [3BC-010] Suhad H. Alzubaidy	Immunosenescence and inflammaging: molecular mechanisms, age-related diseases, and therapeutic interventions [3BC-040] Fatima Abdulkareem Alkhafji
09:30–09:40	Development and characterization of a novel nanocomposite hydrogel using polyvinyl alcohol, chitosan, and SiO₂: promising findings for its employment in biomedical applications [3BC-020] Karrar Najeh Chfat	Recent advances in the design and synthesis of vascular endothelial growth factor receptor 2 antagonists: a review [3BC-041] Zuhoor A. Ghazi
09:40–09:50	Development, physicochemical characterization, and antimicrobial activity assessment of selenium nanoparticles modified with chitosan and gallic acid [3BC-008] Dhuha Al-Hasnawi	Study of a novel series of compounds deriving from the 4-(4-chlorophenyl) cyclohexane-1-carboxylic acid: synthesis, spectroscopic characterization, and computational targeting of the CYP51 enzyme [3BC-011] Saja Alsalty
09:50–10:00	The impact of polymeric nanoparticle-based drug delivery systems in cancer therapy: a review [3BC-045] Mays Hussein Saleem	Design, synthesis, characterization, and <i>in silico</i> assessment of novel 1,3,4-thiadiazole–urea derivatives as inhibitors of the vascular endothelial growth factor receptor 2 [3BC-024] Noora A. Al-Jubouri
10:00–10:10	BREAK	

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10:10–11:10	SESSION 8 Session Chair: Prof. Dr Qayssar Joudah Fadheel Session Co-Chair: Prof. Dr Fatima Al-Zahra Jabbar Jassem	SESSION 9 Session Chair: Prof. Dr Amal Talib Attia Session Co-Chair: Prof. Dr Fakhir Magtoof Shemran
10:10–10:20	Ocular drug delivery: a review of emerging approaches and advances [3BC-062] Rusul N. Hadi	Pharmacodynamic study of several antibacterial–antifungal combinations against a <i>Staphylococcus aureus</i>–<i>Candida albicans</i> coinfection in an <i>in vitro</i> model: effects of albumin and platelets [3BC-038] Asmaa S. Dhaidan
10:20–10:30	Anti-inflammatory and antioxidant effects of medicinal plant extracts: a review of pharmacological evidence and mechanisms [3BC-056] Safa Adnan Mahmood	<i>In vitro</i> pharmacodynamic modeling of the antibacterial effects of selected oral anti-diabetic drugs agents against <i>Staphylococcus aureus</i> and <i>Escherichia coli</i> [3BC-059] Duha Hussain Abd-Alhadi
10:30–10:40	Nanocomposite-based drug delivery systems for targeted anti-inflammatory therapies: a review [3BC-053] Alaa Mazen Almamory	Effects of telmisartan and of a common dandelion (<i>Taraxacum officinale</i>) extract on the serum reproductive hormone levels of rats subjected to high-fat diet- and letrozole-induced experimental polycystic ovary syndrome [3BC-005] Zainab Hafedh Alsharifi
10:40–10:50	Association of age, anthropometric measurements, reproductive history, and critical serum hormone levels with <i>in vitro</i> fertilization outcomes in Iraqi women [3BC-018] Rafal H. Jawad	Combining vancomycin with caspofungin against a <i>Staphylococcus aureus</i>–<i>Candida albicans</i> coinfection in an <i>in vitro</i> pharmacokinetics / pharmacodynamics model: robustness of the modelling and the impact of albumin and platelets [3BC-017] Asmaa S. Dhaidan
10:50–11:00	Biochemical mechanisms and clinical efficacy of glucagon-like peptide-1 receptor agonists in metabolic regulation: a comprehensive review [3BC-055] Rawnaq Kadhim Salih	Antifungal efficacy of selected oral antidiabetic drugs against <i>Candida albicans</i> and <i>Candida glabrata</i>: an <i>in vitro</i> pharmacodynamic analysis [3BC-064] Duha Hussain Abd-Alhadi
11:00–11:10	Serum soluble fms-like tyrosine kinase-1 as an ancillary diagnostic biomarker in molar pregnancy: histological correlates and differentiation of a complete from a partial hydatidiform mole in Iraqi women [3BC-036] Mazin J. Mousa	Pioglitazone improves the motor function and attenuates the central and peripheral alpha-synuclein burden in a rotenone-induced model of Parkinson's disease in rats [3BC-022] Ghufran Sapri Abbood
11:10–11:15	BREAK	

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TIME	HALL 4
11:15–12:00	SESSION 10 Session Chair: Dr Mazin J. Mousa Session Co-Chair: Dr Hayder Abdul-Amir Makki
11:15–11:30	The application and therapeutic utility of wearable devices in Parkinson's disease and stroke: current state of evidence Lisa Hagens (ONLINE)
11:30–12:00	Endocrinopathies associated with immune checkpoint inhibitors: incidence, clinical presentation, and management Angeliki M. Stamatouli (ONLINE)
12:00–12:30	CLOSING CEREMONY