Pharmacy Symposium 2015

2-6 March 2015

Aula Magna, Valletta Campus
University of Malta

Programme

Oral Communication Sessions

M.Pharm. Students
Second Year M.Sc. Students
B.Sc. (Hons) Pharm.Tech. Third Year Students

Poster Discussion Sessions

B.Sc. (Hons) Pharm.Sci. Fourth Year Students

Poster Presentations

B.Sc. (Hons) Pharm.Sci. Second Year Students
B.Sc. (Hons) Pharm.Sci. Third Year Students
Monday 2 March

9:00 Opening Ceremony

10:00 Dr Dirk van Lith, The Netherlands

Oral Communication Session: Pharmaceutical Care

10:20 Development and patient evaluation of a Medicines Use Review framework
    Matthew Camilleri

10:30 Comparison of patient knowledge regarding diabetes between health centre
    patients and the central Diabetic Clinic at Mater Dei Hospital
    Leanne Bason

10:40 Difference in anti-depressant prescribing trends between general practitioners
    and psychiatric specialists
    Deborah Camilleri

10:50 Dietary practices in cardiac patients
    Francesca Attard Baldacchino

11:00 Coffee Break
Oral Communication Session: Pharmaceutical Technology

11:30  Risk in Pharmaceutical Processes
       Diane Camilleri

11:40  Procurement of Medicinal Products in Government Health Services
       Nicolette Bezzina

11:50  Medicine Reimbursement Systems
       Cherieanne Giles

12:00  E-Pharmacy services
       Mark Zammit

12:10  Pricing of Medicines
       Dillon Attard

12:20  Packaging and labelling in Parallel Importation of Medicinal Products
       Valerie Mifsud

12:30  Packaging and labelling in Partial Manufacturing within the POYC scheme
       Melissa Ceci
Tuesday 3 March

9:15   Opening Session

Oral Communication Session: Pharmacotherapy

9:30   Management of chemotherapy side effects in breast cancer patients
       Danika Caruana

9:40   Chronopharmacology of valsartan and amlodipine
       Sephorah Falzon

9:50   Chronopharmacology of prednisolone in rheumatoid arthritis
       Christine Attard

10:00  Once daily gentamicin dosing in the Intensive Therapy Unit
       Annalisa Thake

10:10  Patient controlled analgesia in post-caesarean section
       Deborah Mangion

10:20  The status of buprenorphine use in Malta compared to methadone
       Maria Pace

10:30  Coffee Break

Oral Communication Session: Pharmacy Protocols

11:00  Evaluation of prophylactic practice for venous thromboembolism
       Jeanine Grech

11:10  Pharmacist prescribing frameworks for ophthalmic and skin conditions
       Gianella Casha

11:20  Developing and auditing Standard Operating Procedures for community pharmacies
       Michelle Cassar
Oral Communication Session: Pharmacy Information

11:30  Attitudes and knowledge of parents on vaccinations
       *Maria Galea*

11:40  Evaluating requests for advice from community pharmacists
       *Lisa Warrington*

11:50  Veterinary Medicine: A guidebook for pharmacists and pet owners
       *Annalise Attard*

12.00 Evaluation of the Journal of EuroMed Pharmacy
       *Joseph Abela*

Poster Discussion Session: Pharmacotherapy

12:10  Association of medicinals to sleep apnoea
       *Yanica Cassar*

12:15  Use of NSAIDs
       *Jessica Farrugia*

12:20  HPV vaccination
       *Bettina von Brockdorff*

Poster Discussion Session: Pharmaceutical Care

12:25  Drug induced effects and hospital admissions
       *Nicola Farrugia*

12:30  Medication reconciliation during transfer of care
       *Tresha Formosa*

12:35  Multidisciplinary tasking in cancer patient management
       *Ann Camilleri*

12:40  Pharmacist-led adherence clinics for chronic conditions
       *Jessica Vella*

12:45  Pharmacist intervention in the use of diuretics
       *Katya Xuereb*

12:50  Use of compliance aid devices: psychiatry
       *Estelle Borg Falzon*
Wednesday 4 March

9:15 Opening Session

Oral Communication: Pharmacy Administration

9:30 Evaluating knowledge available to the public on women’s health
   Nicola Warrington

9:40 Evidence-based standards for clinical pharmacy practice
   Jessica Attard

9:50 Evaluating use of technology to support shared care
   Analise Said

10.00 Comparison between oncology medicinal products in the Government Formulary in Malta and other European countries
    Alexandra Cachia

10.10 A glossary for risk management terminology in pharmacy
    Matthew Manfre

10:20 Medication compliance in paediatric and elderly patients
    Clarissa Rizzo

10:30 Coffee Break
Oral Communication: Industrial Pharmacy and Regulatory Affairs

11.00  Self-auditing in good distribution practice  
Stephen Bartolo

11.10  Regulatory challenges and innovations in a small market state from a regulator’s point of view  
Benjamin Micallef

11.20  Business plan for an eco-friendly mini-scale production facility  
Maria Mercieca

11:30  Factors influencing synthesis of steroids  
Conrad Cassar

Oral Communication Session: M.Sc.

11.40  The use of internet pharmacies by Maltese patients  
Elaine Gatt Baldacchino

11.50  Availability of medicinals on the local market as effected by regulation  
Anna Maria Cassar

12.00  Applying quality systems to computerised stock management systems  
Joseph Giglio

12.10  Proposing guidelines for responsible person eligibility in Malta  
Simon Corrieri

12.20  Evaluation of after hours pharmaceutical services in a general hospital  
Jeffrey Cassar

12.30  The impact of pharmacist advice on metabolic syndrome  
Stephanie Magro

12.40  Pharmacist intervention in patient monitoring in a psychiatric setting  
Maria Mamo
Thursday 5 March

9:15 Opening Session

Oral Communication Session: Medicinal Chemistry and Drug Design I

9:30 Design and Optimisation of Novel Structures Capable of Epidermal Growth Factor Inhibition for the Management of Neoplastic Disease

Marie Claire Farrugia

9:40 Design and Optimisation of Novel Anti-Prostate Cancer drugs Capable of CYP17A1 Receptor Modulation Using Galeterone as a Lead Molecule

Marie Claire Bonanno

9:50 Design and Optimisation of Novel Huperzine A Analogues capable of Modulating the Acetylcholinesterase Receptor for the Management of Alzheimer’s Disease

Sara Bonavia

10:00 Design and Optimisation of Novel Structures Capable of Modulating a Homology Model of the Human M1 Receptor for the Management of Alzheimer’s Disease

Neil Bugeja

10:10 Design and Optimisation of Novel Lead Carbonic Anhydrase Inhibitors for the Management of Neoplastic Disease

Jessica Marie Muscat

10:20 Design and Optimisation of Novel Human Dihydrofolate Reductase Inhibitors for the Management of Neoplastic Disease

Graziella Portelli

10:30 Coffee Break
Oral Communication Session: Pharmacoeconomics

11:00  The economics of medicine use in *in vitro* fertilisation

*Christina Abela*

11:10  Cost reduction related to temperature control in community pharmacies

*Kristina Baron*

Poster Discussion Session: Pharmacy Information and Administration

11:20  Evidence based use of herbal medicines

*Justine Borg*

11:25  Medication Administration Systems at MCH

*Nicola Xuereb*

11:30  Pharmacist manpower

*Petra Abdilla*

11:35  Methadone dispensing services

*Mark Caruana*

11:40  POYC where are we going? Patient and pharmacist forum

*Hannah Bonnici*

11:45  Pharmacist services in community pharmacies

*Andrew Busuttil*

11:50  Risk management in the pharmaceutical industry

*Matthew Chircop*

11:55  Professional development of pharmacists

*Amanda Farrugia*

12:00  Use of Protocols in Community Pharmacy

*Kyle Marsten*
12:05  Formulary for non-BNF cited items
       *Timothy Scicluna*

12:10  Medicinal Plants Research:
       Role of the Pharmacy Department and Argotti Gardens
       *Katrina Saliba*

12:15  Pharmacist prescribing
       *Abigail Aquilina*

12:20  Management in chemotherapy admixtures
       *Dylan Said*

**Poster Discussion Session:**

**Industrial Pharmacy, Regulatory Affairs and Clinical Analysis**

12:25  Extraction of drugs from biological fluids
       *Maria Vella*

12:30  Yield in synthesis of APIs
       *Christopher Mallia*

12:35  Quality and safety of pharmaceutical solvents used in the pharmaceutical industry
       *Darren Cioffi*

12:40  Partial manufacturing
       *Matthew Gatt*

12:45  Waste management in pharmaceutical processes
       *Shirley Tabone*

12:50  New Drug Distribution regulations
       *Luca Giudice*
Friday 6 March

9:15 Opening Session

Oral Communication Session: Medicinal Chemistry and Drug Design II

9:30 Design of Novel Structures Capable of Inhibiting *Mycobacterium tuberculosis* Replication Using the Azole Antifungals as Lead Molecules
   *Caroline Spiteri*

9:40 Design and Optimisation of Novel Antihistaminic Agents Using the Doxepin Scaffold as a Probe
   *Rachel Camilleri*

9:50 Optimisation of Novel Selective Cyclooxygenase-2 Inhibitors using Resveratrol Analogues as Lead Molecules
   *Clarissa Caruana*

10:00 Design and Optimisation of Novel Structures Capable of Modulation of a Homology Model of the Human Beta-1 Adrenergic Receptor for the Management of Hypertension
   *Astrid Marie Sant*

Oral Communication Session: Clinical Analysis

10:10 Risk assessment of the process involved in the preparation of intravenous admixtures in an acute hospital setting
   *Diane Saliba*

10:20 Use of proton pump inhibitors and effects of amylase and other enzymes
   *Ritianne Cassar*

10:30 Coffee Break

Poster Discussion Session: Medicinal Chemistry and Drug Design

11:00 Drug Design in order to modulate the PDE4 Receptor
   *Daniel Attard*
11:05 The design of novel structures with an aminopiperazinone scaffold capable on inhibiting the b-secretase enzyme for the management of Alzheimer’s Disease
*Luke Borg*

11:10 Design of Novel Anti-Prostate Cancer Drugs which Modulate the CYP17A1 receptor using abiraterone as lead molecule
*Kurt Degabriele*

11:15 Design of Novel Anti-Prostate Cancer Drugs which Modulate the CYP17A1 receptor using ketoconazole as lead molecule
*Michael Grima*

11:20 Drug Design at the Sphingosine-1-Phosphate (S1P) receptor for the management of multiple sclerosis
*Daphne Gusman*

11:25 Drug Design at the HIV Reverse Transcriptase Enzyme
*Marie Mifsud*

11:30 Design of Novel Non-Steroidal Structures Capable of Antagonism of the Oestrogen Related Receptor (ERR)a for the management of Breast Cancer
*Keith Muscat*

11:35 Drug Design at the Human Fatty Acid Synthase Enzyme using orlistat as lead molecule
*Ramon Sciberras*

11:40 Design of novel A2A Adenosine Receptor Antagonists for the treatment of Parkinson’s Disease
*Yana Vella*

11:45 Drug design at the Angiotensin Converting Enzyme (ACE) using Rubiatriol as lead molecule
*Althea Xuereb*

11:50 Drug Design at the b-Secretase Enzyme for the Identification of Novel Structures for the Treatment of Alzheimer’s Disease
*Keith Xuereb*

11:55 Drug Design at the Oestrogen Receptor
*Sharon Zammit*

12:00 Closing Ceremony
Third Year Student Projects

Design of Novel Efflux Pump Inhibitors using P-glycoprotein as a Target
Mark Bondin

Monitoring of Patients with Heart Failure
Rebecca Bugeja

Development and Evaluation of the Pharmacy Practice Resource Unit
Francesco Cassar

Design of RAS Inhibitors using the Polyphenolic Extracts of Green Tea as a Scaffold
Stephanie Cassar

Design of Novel Structures with Potential Anti-Tumorigenic Activity Using the Experimental Drug NPI-0052 as a Lead Molecule
Daniel Chetcuti

Evaluation of the Affinity of the Small Molecule Maltanediol for Farnesyl Pyrophosphate Synthase
Andy-Vince Falzon

Interdisciplinary Management of Arthritis in Children
Julian Fearne

Validation Instruments for Community Pharmacy: An Update
Hannah Flynn

Implications of Regulation for Medical Devices
Jasmine Marie Gauci

Shared Care Guidelines in Rheumatology
Daniel Joseph Grixti
Drug Design at the Human Glucocorticoid Receptor
Sean Meachen

Drug Design at the Adenosine A_2A Receptor using Caffeine and Limonene as Lead Molecules
Danica Micallef

Procurement of Medicinal Products and Medical Devices
Caroline Muscat

Design of Novel Antibacterial Compounds Using Allicin as a Lead Molecule
Nathaniel Refalo

Compilation and Evaluation of a Two/Three-Dimensional Molecular Database as an Adjunct to Didactic Teaching Modalities
Gabriella Sultana

Patient Monitoring of Out-Patients at the Rheumatology Clinic
Jonathan Vella

Design of K-Ras Protein Inhibitors as Anticancer Agents using Deltarasin as a Case Study
Martina Woods

Design of Histone Deacetylase Inhibitors as Anti-Cancer Agents using Diallyl Disulphide as a Case Study
Matthew Zarb
Second Year Student Projects

Pharmaceutical Care Processes used in Psychiatric Institutions
*Roberto Briffa*

Health Economic Study of the Use of Warfarin
*Grazielle Camilleri*

Identification of Novel Structures Capable of Modulating Leishmania Kinases for the Treatment of Leishmaniasis
*Yasmine Caruana*

Medicine Use and Access Intelligence
*Stefan Cassar*

Clinical Assessment for Registration of New Medicines
*Francesca Cilia*

*In silico* Design of Polyphenolic Flavonoid Quercetin Analogs as Inhibitors of Histone Deacetylase and Histone Acetyltransferase for the Management of Tumour Growth
*Durston Delia*

*In silico* Interaction of Oleuropein with the MMP-9 Receptor for the Management of Breast Cancer and Alzheimer’s Disease
*Matthias Karl Farrugia*

Use of Medicines in Older Patients in Long-Term Care Facilities
*Tiziana Fenech Caruana*

*In silico* Design of Phytoalexin Resveratrol Polyphenolic Analogs as Inhibitors of Histone Acetyltransferase for the Management of Tumour Growth.
*Rebecca Hammett*
In silico Design of Diallyl disulphide Analogs as Inhibitors of Histone Deacetylases for the Management of Tumour Growth
Christian Mercieca

In silico Design of Novel Poly (ADP-ribose) Polymerase Inhibitors using Olaparib as Lead Molecule
Christopher Muscat

Pharmacovigilance
Philip Paris

Patient Management with Use of Lithium
Julia Pirotta

In silico Design using the Polyphenolic Molecules Epigallocatechin-3- Gallate and Genistein as Inhibitors of Histone Deacetylases for the Management of Tumour Growth
Luke Xuereb

Pharmacist Intervention in Ambulatory Care of Older Persons
Rebecca Zammit