



List of MSc by Research Dissertations (2006-2025)

Year	Name of Graduate	Thesis Title	Supervisor
2006	Muscat Karen	Extended haplotype of the CTLA-4 Gene within the coeliac patients in the Maltese population	Professor Christian Scerri
2007	Balani Sunaina	Cognition in sepiapterin reductase deficiency	Professor Richard Muscat
2007	Castillo Martina	Heroin addiction and associative learning	Professor Richard Muscat
2007	Gatt Claire	IFNGRI and TNFAIP3 in a Maltese family with a highly penetrant form of osteoporosis	Professor Angela Xuereb-Anastasi
2008	Zahra Charmaine	Genetic and lifestyle risk factors and parkinson's disease : the dopamine connection.	Dr Stephanie Bezzina Wettinger
2008	Zerafa Monique	Kamin blocking and latent inhibition in children with attention deficit hyperactivity disorder	Professor Richard Muscat
2009	Farrugia Mario	Enhanced efficacy of bioactive compounds: targeting isoprenylation in cancer cells to mediate apoptosis	Professor Godfrey Grech
2009	Gauci Alison Jennifer	Identification of natural polyphenols and plant extracts as potent inhibitors of lipid membrane destabilisation by amyloid-beta peptide (1-42)	Professor Neville Vassallo
2009	Vella Kevin	Osteogenic bioactivity and oestrogen growth factor response induced by extracts from Ceratonia siliqua	Professor Marie Therese Camilleri Podesta Professor Godfrey Grech
2011	Bugeja Marisa	The further development of DNA pooling for gene discovery and public health genomics	Professor Alex Felice
2013	Fiott Christina	Heat shock modulators protecting normal cells during chemotherapy	Professor Pierre Schembri Wismayer
2013	Farrugia Diane	Metal replacement and structural analysis of iron superoxide dismutase from Escherichia coli	Professor Gary Hunter
2013	Mazzitelli Oriana	Genetic analysis of olive (Olea europea L.) varieties in the Maltese islands using DNA markers: method development and technique evaluation	Dr Marion Zammit Mangion
2014	Busuttil Charlene	Mutational Analysis Of c-KIT Receptor In Gastrointestinal Stromal Tumours	Professor Mario Valentino
2014	Cini Sheryl	The Characterisation Of The Maltese Honey Bee Using Morphometric and Mitochondrial DNA Analysis	Dr Marion Zammit Mangion

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2015	Borg Rebecca	Insights into Spinal Muscular Atrophy Through the Functional Characterization of pICln and Gemin2	Dr Ruben Cauchi
2015	Grech Katrina	Genetic Characteristics of Thunnus thynnus in the Mediterranean	Dr Marion Zammit Mangion
2015	Mifsud Maximilian	The Use of Transcutaneous Electrical Stimulation of the Calf in Patients Undergoing Infra-Inguinal Bypass Surgery	Professor Kevin Cassar
2015	Pulis Kristian	A Preliminary Study of the Population, Ecology and Genetic Characters of the Mediterranean Box Jellyfish (Carybdea marsupialis) in the Island of Malta	Dr Marion Zammit Mangion
2015	Vella Marita	Structural Functional Analyses of Aryl Hydrocarbon Receptor Interacting Protein (AIP) and Mutant Derivative Associated with Pituitary Adenomas in Malta	Professor Gary Hunter
2015	Zammit Robert	Instrumentation and Processing Software of a Laser Speckle Contrast System to Study Blood Flow Dynamics in the Rodent Brain	Professor Mario Valentino
2016	Agius Anastasi Andrei	Neurophysiological Signals and Quantitative Assessment in Stroke	Dr Owen Falzon
2016	Chetcuti Zammit Stefania	Characteristics of Maltese Patients with Inflammatory Bowel Disease: The ECCO-EpiCom Inception Cohort	Dr Pierre Ellul
2016	Delicata Francis	Serotonin-2A and -2C Receptor Regulation of the Lateral Habenula Activity in the Context of Nicotine Addiction: A Neuroanatomical and Electrophysiological Study	Professor Giuseppe De Giovanni
2016	Gherbal Naema El Mabrok	The Role of Autoimmunity and Gene Polymorphism in Infertility	Dr Edith Said
2017	Debattista Jessica	Functional Analysis of Rare Polymorphisms within the Aryl Hydrocarbon Receptor (AHR) Gene in Pituitary Adenoma	Professor Josanne Vassallo
2017	Spiteri Maria Anna	The Value of Multiple 2D Ultrasound Scanning Views in the Detection of Congenital Heart Disease in the Second Trimester (18 to 24 weeks)	Professor Simon Attard Montalto
2017	Sturgeon Delia Cassandra	Thermographic Assessment of Results of Endovascular Revascularisation in C	Professor Kevin Cassar

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2018	Abela Norbert	Long-Term Brain Effects Of Binging On Alcohol And Marijuana In Adolescent Tobacco Abusers: A Behavioural And Neurochemical Study In Rats	Professor Giuseppe De Giovanni
2018	Borg Agius Maria	Characterising new Maltese microalgal stains	Dr Gabrielle Zammit
2018	Camilleri Alexander	Hb F Malta 1: A Quantitative Biomarker of Gamma Globin Gene Expression in the Newborn	Professor Alex Felice
2018	Camilleri Francesca	The influence of roflumilast combinatory treatment on COPD-related molecular targets	Professor Anthony Fenech
2018	Camilleri Louanne	Role of HSP lysine methylation in various colorectal cancers	Dr Byron Baron
2018	Ciantar Rachelle	Diploid and Triploid Hydatidiform Molar Pregnancies in Malta	Dr Edith Said
2018	Farrugia Wismayer Maia	The Genetic and Physical Network of the Survival Motor Neuron Complex in Drosophila	Dr Ruben Cauchi
2018	Portelli Maria	Measurement of Asymmetric Dimethyl-arginine (ADMA) and Methyl-lysine Levels in Pregnant Women with Pre-eclampsia and their Newborns	Dr Byron Baron
2018	Sammut Marion	Identifying Barriers to Antiepileptic Treatment Adherence in Malta	Professor Janet Mifsud
2018	Schembri John	Genome wide association study (GWAS) and phenotypic characterisation of a Maltese inflammatory bowel disease cohort	Professor Godfrey LaFerla
2018	Vella Rosanne	Derepression of the HbF gene through the use of Oligonucleotides	Professor Pierre Schembri Wismayer
2018	Zammit Burg Melanie	A study of the Geno-Phenotype of Brugada Syndrome in the Maltese Population	Dr Edith Said
2019	Buttigieg Simona	The prevalence of pseudoangiomatous stromal hyperplasia in fibroadenomas of the breast with an immunohistochemical analysis	Dr James Degeatano
2019	Cacciottolo Rebecca	Neromuscular Function in Drosophila Models of Motor Neuron Disease	Dr Ruben Cauchi
2019	Camilleri Alexander	HB F Malta 1, A Quantative Biomarker of Gamma Globin Gene Expression in the Newborn	Professor Alex Felice

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2019	Cardona Tania	Depression in Type 2 Diabetes Patients in Maltese Primary Care	Dr Glorianne Pullicino
2019	Carta Alessia	Cytokine mediated in vitro transcriptional activity of the CCR4 gene promoter	Professor Anthony Fenech
2019	Caruana Maria	Childhood asthma in the primary school environment	Professor Maria Cordina
2019	Giordano Imbroll Miriam	Epidemiology and Phenotyping Of Adrenal Tumours in Malta	Professor Josanne Vassallo
2019	Lanzon Justine	Characterisation of Diffuse Large B-Cell Lymphoma using FISH	Dr Edith Said
2019	Skarabhatava Ala	Isolation and Characterisation of Tumour-Derived Exosomes in Breast Cancer	Professor Godfrey Grech
2019	Spiteri Martina	Biomarkers predicting HPV Transformations Events	Professor Godfrey Grech
2019	Sultana Ryan	Genetic Screening of the GPR101 Gene in Pituitary Adenoma Patients	Professor Josanne Vassallo
2019	Zammit Ester	How does the Genetic Epidemiology of Kidney Disease in Malta mirror the Pathophysiology of the Kidney	Dr Valerie Said Conti
2020	Aljush Denis	Changes in adipose tissue distribution during pregnancy in overweight and obese compared with normal weight women : a cluster-randomized controlled research study in Malta	Professor Charles Savona Ventura
2020	Bonello Dorianne	High AURKA expression in triple negative breast cancer correlates with expression of CIP2A and PME-1	Professor Godfrey Grech
2020	Briffa Jessica	Heavy metals in Maltese agricultural soil	Professor Renald Blundell Professor Emmanuel Sinagra
2020	Farrugia Bonnici Georgiana	Are Family Physicians' Musculo-Skeletal Imaging Requests Indicated for Diagnostic or Clinical Management Purposes?	Dr Marco Grech
2020	Sacco Katya	Exploring the determinants of medication use in patients with chronic conditions	Professor Maria Cordina
2020	Sultana Paul Michael	Structure and function of human Mn(Fe)SOD containing iron in the active site	Professor Gary Hunter
2020	Tadic Srdjan	Tumor formalin fixed vaccines and secondary immune response to elicit a therapeutic immune response in solid tumors	Professor Pierre Schembri Wismayer Dr David Saliba

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2020	Theuma Shaun	Cytokine gene polymorphism analysis in females with a history of recurrent miscarriages	Dr Edith Said
2021	Ariff Scicluna Sabrina	Association of PDCD6 expression with clinical data in colorectal cancer patients	Professor Godfrey Grech
2021	Buttigieg Kyle Gary	Functional Effects of Glucokinase Variants Identified in Diabetic Patients in Malta	Professor Gary Hunter Dr Nikolai Pace
2021	Dalli Abigail Anne	Biophysical characterization of the interaction between the p53 tumour suppressor and manganese superoxide dismutase	Professor Therese Hunter Professor Gary Hunter
2021	Dimech Katrina	The attitude of Maltese Healthcare Professionals working in the neonatal intensive care setting towards withdrawal of care	Professor Pierre Mallia
2021	Farrugia Nicole	Pictograms as a means of enhancing medication health literacy in a population with low health literacy	Professor Maria Cordina
2021	Gauci James	Endoscopic Ultrasound-Guided Sampling of Solid Lesions of the Gastrointestinal Tract-Improving Diagnostic Yield and Discovering Local Genomics	Dr Jurgen Gerada Dr Neville Azzopardi
2021	Ghirxi Malcolm	Histopathological Findings of the Cardiac Conduction System in Sudden Unexpected Death in the Maltese Population	Dr Tiffany Buhagiar Dr James DaGaetano
2021	Grada Marwa Khaled	Examining the possible link between use of Antibiotics in first year of life with weight gain problems in Maltese preadolescents	Dr Philip Sciortino
2021	Magri Kurt	Gene Expression in Decompression Sickness Secondary to Compressed Gas Underwater Diving	Dr Nikolai Pace
2021	Micallef Isaac	Analysis of Protein Methylation Changes Occurring on p53 and other Proteins in Colorectal Cancers during different Chemotherapy Treatments	Dr Byron Baron
2021	Knaza Amani	Design of a mass spectrometry workflow to identify exosomal proteins involved in stem cell differentiation	Dr Byron Baron

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2021	Pagano Simona Maria	Chemical Generated Pluripotency of Stem Cells from Peripheral Blood	Professor Pierre Schembri Wismayer
2021	Pisani Anthea	Assessment of Faecal Microbiota in Patients with Inflammatory Bowel Disease	Professor Pierre Ellul
2021	Qadir Khan Khudija Amnah	Ecdysteroids as a potential treatment for Osteosarcoma	Professor Pierre Schembri Wismayer
2021	Rizzo Kirsty	Assessing Primary Haemostasis through Platelet Function and von Willebrand Factor analysis in patients with Myeloproliferative Neoplasms	Professor Alexander Gatt
2021	Robles Cuellar Maria Del Mar	A Cytotoxicity Study	Professor Pierre Schembri Wismayer Professor Ing Joseph Buhagiar
2021	Sammur Corin Charles	Genetics of Cortical Brain Malformations in Malta	Dr Edith Said
2021	Scerri Harney Alexandra Maria	The Factors that influence the newly qualified General Specialist when opting either for Public Sector or the Private Sector	Dr Philip Sciortino
2021	Sciortino Paul	The prevalence and health care utilization characteristics of patients with Ambulatory Care Sensitive Conditions who utilize the Emergency Department. An observational study	Dr Glorianne Pullicino
2022	Ceci Michelle Ann	Molecular Biomarkers which predict metastatic potential in primary breast carcinomas	Professor Godfrey Grech
2022	Cutajar Michaela	Generation of functional pancreatic beta cell organoids from mesenchymal stem cells for applications in Type 1 diabetes research.	Professor Byron Baron
2022	Farrugia Dylan	A study of Apis mellifera ruttneri on Gozo: analysis using mitochondrial DNA and morphometry	Professor Marion Zammit Mangion
2022	Galdes Marija	Novel Drug Combinations in Non-Small Cell Lung Cancer	Dr Vanessa Petroni Magri

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2022	Gatt Chanelle	Communication between Primary Health Care and the Emergency Department during transfer of care of patients in Malta	Dr Marco Grech
2022	Grech Lauren Marie	The influence of applying the NICE guideline on CTG interpretation and classification during labour and on resultant clinical management in Malta	Dr Isabelle Saliba
2022	Pulikkal Sunila John	A Retrospective Study of Emergency Caesarean Sections performed for Prolonged Labour in Primiparous Singleton Pregnancies Delivered in the Maltese Islands.	Professor Yves Muscat Baron
2022	Sant Daniel Paul	Effect of Wnt Inhibition Drug Treatment on Chemoresistant Colorectal Cancer	Professor Byron Baron
2022	Tabone Sylvana	Effect of minor ALS gene DAO on Drosophila neuromuscular function	Professor Ruben Cauchi
2022	Warrington Deborah	Defining a small molecules differentiation cocktail for generation of dopaminergic neurons from Wharton's jelly mesenchymal stem cells	Professor Byron Baron
2023	Apap Buttigieg Shana Marie	Anaemia in pregnancy; its prevalence and maternal and neonatal outcomes in Malta	Dr Johann Craus
2023	Azzopardi Gabriella	Prevention of Anti-D Prophylaxis in Pregnant RhD Negative Females using Non-Invasive Fetal RhD Genotyping in Malta	Dr Stefan Laspina
2023	Cuschieri Andrea	Investigating the anti-cancer effects of α - Solanine on glioblastoma cell lines for in-vitro evaluation against the chemotherapeutic standard-of-care	Professor Byron Baron
2023	Debattista Jamie Lee	Cytochrome P450 2C19 Genetic Polymorphisms and Proton Pump Inhibitor Therapy Resistance	Dr Francesca Wirth
2023	Fenech Kimberly	Investigating the role of the protein methyltransferases EHMT2 and PRMT5 on the epithelial-to-mesenchymal transition of colorectal cancer	Professor Byron Baron

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2023	Galea St John Andrew Paul	The anti-leukaemic potential of phenolics in combination with chromatin modifying agents on an Acute Myeloid Leukaemia Cell line	Professor Pierre Schembri Wismayer
2023	Muscat Marlene	Gene Regulation and Small Molecule Therapeutics in non-small Cell Lung Cancer	Dr Vanessa Petroni Magri
2023	Saliba Luke	Biodegradable FeMn Bone Graft Substitutes: In Vitro and In Vivo Testing	Professor Pierre Schembri Wismayer Professor Ing. Joseph Buhagiar
2023	Schembri Francesca	Management of Paracetamol overdose in Malta	Professor Janet Mifsud
2023	Scicluna Rachel	Gene Targeting in Lung Cancer (GTILC)	Dr Vanessa Petroni Magri
2024	Aquilina Giulia	Genetic Characterization of selected probands/kindreds with congenital heart disease	Professor Nikolai Pace
2024	Borg Myatt Jeremy	The Accuracy of Antenatal Anomaly Scan Screening in Malta	Professor Simon Attard Montalto
2024	Galea Sephora	Production, Purification, and Biophysical Characterisation of the Psi53 Isoform	Professor Therese Hunter
2024	Herrera Maja	Alpha-synuclein aggregation in the presence of mitochondrial lipid membranes - implications for Parkinson's disease	Professor Neville Vassallo
2024	Sammut Keith	Antibiofilm Efficacy & Systemic Safety of Silver-Containing Iron Manganese Alloys for Bone Scaffold Applications	Professor Pierre Schembri Wismayer
2024	Seychell Raina	Bioengineering Mitochondrial Membranes Using Drug-Like Compounds to Combat Diseases of Protein Misfolding	Professor Neville Vassallo

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2024	Spinoso Alessandra	TGFβ-induced mesenchymal markers in lung cancer cell lines	Professor Godfrey Grech
2025	Ellul Azzopardi Lara	Increasing Platelet Concentrate shelf-life from 5 to 7-days . A pilot study.	Dr Denise Borg Aquilina Dr Vanessa Zammit
2025	Goggi Annelise	Intrinsic Risk Factors Of Falls in Older Patients	Dr Marise Gauci
2025	Portelli Stephanie	Gene Amplifications associated with Primary Colorectal Cancer Tumours and Matched Lymph nodes	Professor Godfrey Grech

As at 12 August 2026