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Trans-Domain COST Action TD1404 (NEOH)

**workshop and management committee meeting**

Old University Valetta



UNIVERSITY OF MALTA  
L-Università ta' Malta

16<sup>th</sup> and 17<sup>th</sup> January 2017

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This NEOH workshop (in combination with the fourth management committee meeting) will focus on the presentation and discussion of the results from the NEOH case studies. The case study leaders and their collaborators will present the work conducted, and give feedback on the handbook to WG1. WG3 members will use the information to plan next steps for the meta-analysis in WG3 and WG4 will continue with the development of the NEOH handbook dissemination and implementation roadmap.

Conference website: <https://www.um.edu.mt/events/td1404>

Registration: <https://www.um.edu.mt/events/td1404/registration>

Accommodation: <https://www.um.edu.mt/events/td1404/accommodation>

General information: <https://www.um.edu.mt/events/td1404/generalinfo>



# Network for Evaluation of One Health



## Maps

### Directions:

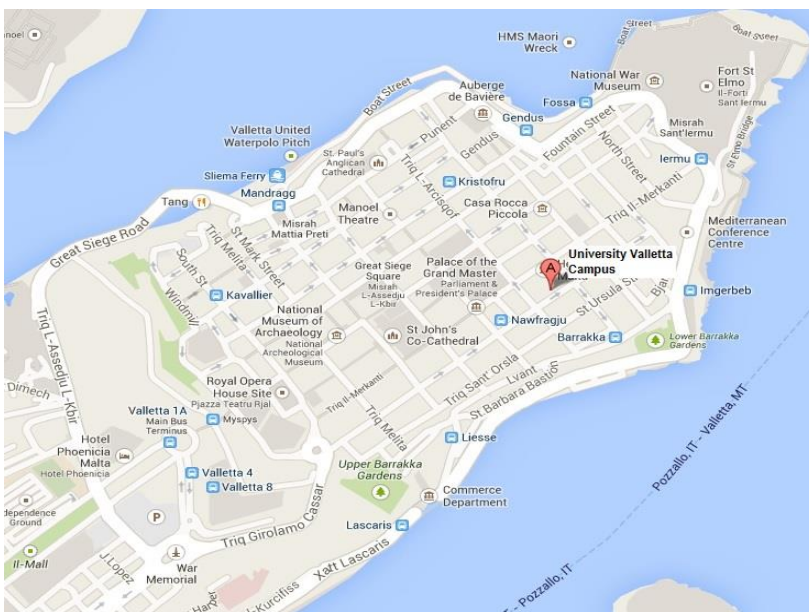
<https://www.um.edu.mt/conferenceunit/about/howtoeachus>

### Campus map:

[http://www.um.edu.mt/\\_data/assets/pdf\\_file/0008/289502/umcampusmap.pdf](http://www.um.edu.mt/_data/assets/pdf_file/0008/289502/umcampusmap.pdf)



**The whole NEOH meeting will take place in:**  
University of Malta Valetta Campus  
Old University Building  
Triq San Pawl  
Valetta  
VLT 1216  
Tel 23 407 512





# Network for Evaluation of One Health



## Programme Monday, 16<sup>th</sup> of January 2017



Main Hall - Auditorium  
(Level 2)

Start Time	End Time	Time	Topic
8:00 AM	1:00 PM	5:00	Registration MC members and their substitutes can register before the MC meeting, others before lunch; registration will be open throughout
9:00 AM	11:00 AM	2:00	Management committee meeting Part 1 – only for MC members and their substitutes
11:00 AM	11:30 AM	0:30	<b>Coffee/tea break</b>
11:30 AM	1:00 PM	1:30	Management committee meeting Part 2
1:00 PM	2:00 PM	1:00	<b>Lunch</b> for ALL meeting participants
2:00 PM	4:00 PM	2:00	Plenary session  Welcome (30 min): <ul style="list-style-type: none"> <li>- Prof. Sandra Buttigieg, University of Malta, local organiser and NEOH WG3 co-leader</li> <li>- Prof. Angela Xuereb Anastasi, Dean, Faculty of Health Sciences, University of Malta</li> <li>- Dr Barbara Häsler, NEOH chair</li> <li>- The Hon. Christopher Fearne, Minister of Health, Malta</li> </ul> Presentations (20 min each) <ul style="list-style-type: none"> <li>- Dr Natasha Azzopardi Muscat, European Public Health Association: <i>One Health - An approach to addressing European public health priorities?</i></li> <li>- Prof. Ole Hanseth, University of Oslo: <i>Understanding and Developing Information infrastructure.</i></li> </ul> Evaluation of One Health (30 min) <ul style="list-style-type: none"> <li>- Catherine Machalaba, Ecohealth Alliance: <i>One Health evaluation in the PREDICT project</i></li> <li>- Dr Sara Savic, Scientific Veterinary Institute, Novi, Sad, Serbia: <i>Overview of evaluations in the Network for Evaluation of One Health</i></li> </ul> Questions and discussion (20 min)
4:00 PM	4:30 PM	0:30	<b>Coffee/tea break</b>

4:30 PM	6:30 PM	2:00	<p>Presentations of NEOH case studies followed by plenary discussion</p> <ol style="list-style-type: none"> <li>1. Sandra C. Buttigieg Sara Savic, John Rizzo Naudi, Elaine Lautier: <i>OH Evaluation of Eradication of Brucellosis in Malta/Comparison with Case Study on Eradication of Brucellosis in Serbia</i></li> <li>2. G Paternoster, L Tomassone, M Tamba, M Chiari, A Lavazza, M Piazzì, AR Favretto, G Balduzzi, B Vogler: <i>OH evaluation on West Nile virus integrated Surveillance in Northern Italy</i></li> <li>3. Sabina Seric-Haracic, Valeria Grieco, Nihad Fejzic and Joze Staric: <i>OH evaluation of International One Health master program in Western Balkan universities</i></li> <li>4. Sousa, Margarida; Silva, Nuno; Manageiro, Vera; Ramos, Sónia; Coelho, António; Gonçalves, David; Caniça, Manuela; Torres, Carmen; Igrejas, Gilberto; Poeta, Patrícia: <i>First report on MRSA recovered from wild boars (Sus scrofa) in the North of Portugal. Omic tools to characterize MRSA recovered from wild animals. A one health perspective.</i></li> <li>5. Miroslav Radeski and Vlatko Ilieski: <i>Evaluation of an Animal Welfare Center from the One Health Perspective a.k.a. Animal welfare in One Health Concept</i></li> <li>6. Anaïs Léger, Liza Rosenbaum Nielsen and Katharina Stärk: <i>Evaluation of the One Health-ness of the "University of Copenhagen Research Centre for Control of Antibiotic Resistance (UC-CARE)"</i></li> <li>7. Jorge Torgal, Manuela Vilhena, Juan Garcia Dias, Ana Claudia Coelho, Ana Gloria Fonseca: <i>OH Evaluation on "Portuguese Observatory of Taeniasis and Cysticercosis"</i></li> <li>8. Daniele De Meneghi, Gabrielle Laing, Massimo Canali, Maurizio Aragrande: <i>OH evaluation on case study 6 "Use of Acaricides to control ticks &amp; tick – borne diseases in Zambia: Implications in Public &amp; Environmental health"</i></li> </ol> <p>Daniele de Meneghi and Sara Savic: Initial findings from the NEOH and EURNEGVEC international survey to explore the collaboration between human, animal and environmental health sectors</p>
6.30 PM - ...			<p><b>6.30 pm Group leaves for a walking tour of Valletta</b></p> <p><b>7.30 pm Transport departs from Valletta to Verdala Palace</b></p> <p><b>8.00 pm Workshop dinner at Verdala Palace</b></p> <p><b>10.15 pm Transport leaves from Verdala Palace</b></p>

**Programme Tuesday, 17th of January 2016**



Main Hall – Auditorium  
(Level 2)



3 breakout rooms  
- 3 meeting rooms  
on Level 0 (ground  
floor)

8:30 AM	10:30 AM	2:00	<b>Obesity and One Health</b>		
			Presentations <ul style="list-style-type: none"> <li>- Dr Charmaine Gauci – <i>Understanding and tackling raising obesity levels in Malta through an EU coordinated approach</i></li> <li>- Dr Jorge Pinto Ferreira – <i>Obesity policies: can they benefit from a One Health approach?</i></li> <li>- Dr Daniel Cauchi - <i>Implications of obesogenic environment in Malta - a case for adopting One Health strategy</i></li> <li>- Asta Tvarijonavičiute, Alberto Muñoz, Pia Lopez-Jornet, Roman Dabrowski, Jose J. Ceron - <i>Obesity and One Health: A case study</i></li> </ul> Plenary discussion		
10.30 AM	11:00 AM	0:30	<b>Coffee/tea break</b>		
11:00 AM	13:00 AM	2:00	Focus group discussion: Structured feedback from WG2 to WG1	Meta-analysis: WG3 discussion and planning of meta-analysis	Stakeholder engagement and handbook dissemination and implementation strategy (WG4)
1:00 PM	1:45 PM	0:45	<b>Lunch</b>		
1:45 AM	2:15 AM	0:30	Francesca Contadini, Tracey Dutcher: <i>One Health Systems Mapping and Analysis Resource Toolkit (OH-SMART, <a href="https://foodprotection.umn.edu/one-health-smart">https://foodprotection.umn.edu/one-health-smart</a>)</i> ; a step-wise, structured approach that allows a network of agencies to review and visualise their procedures and processes for inter-disciplinary coordination of complex issues at the human-animal interface		
2:15 PM	3:00 PM	0:45	Feedback from small group work and plenary discussion		
3:00 PM	3:30 PM	0:30	Decision on next steps and wrap-up		
			<b>Coffee/tea</b> <b>Individual departure</b>		



## Speakers (in order of appearance in programme)



**Prof. Sandra C. Buttigieg** is Associate Professor and Head of Department of Health Services Management, Faculty of Health Sciences at the University of Malta. She is also Consultant in Public Health Medicine at Mater Dei Hospital, Malta, where she is in charge of the Clinical Performance Unit, as well as serves as a member of the Patient Safety and Quality Improvement Team. Professor Buttigieg is a member of the Management Committee of the EU COST Action on 'One Health', representing Malta.

She lectures in Health Services Management, Public Health, Family Medicine and Management. She graduated M.D. (University of Malta in 1987), M.Sc. in Public Health Medicine (1997) and M.B.A. (Executive) with distinction (2002). In 2007, she obtained her Ph.D. in Management from Aston University, UK and in 2009, was elected Fellow of the Faculty of Public Health of the Royal Colleges of Physicians of the UK. Since 2008, Professor Buttigieg was appointed Honorary Research Fellow at Aston University, UK and recently in 2013, Honorary Senior Research Fellow at the University of Birmingham, UK. She is Visiting Scholar at James Madison University, Virginia, USA and at Kuwait University, Kuwait. She is also a Fellow of two programmes of the Salzburg Global Seminar, related to health care, which were led by amongst others, past presidents of the Institute of Medicine, namely, Donald Berwick and Harvey V. Fineberg. Her research is mainly in Health Management in the areas of performance management, organisational behaviour, operations management and research, and public health.

She has authored and co-authored several articles in peer-reviewed management and health journals and is currently on the Editorial Advisory Board of *Frontiers-Public Health*, the *International Journal of Human Resources Management*, *Journal of Health Organization and Management* and on *Geriatrics and Gerontology-Research*. She is a member of the research committee of the Health Care Management Division, American Academy of Management. She is also a reviewer of numerous peer-reviewed journals in health care and management.



**Professor Angela Xuereb Anastasi** graduated B.Sc. in Biology and Chemistry from the University of Malta and then proceeded to read for a Masters degree in Biochemistry. Subsequently, she undertook research studies which led to the award of a Ph.D.

Before taking up her position as Co-ordinator of the Division of Medical Laboratory Science at the Institute of Health Care (IHC) in 1995, Professor Xuereb Anastasi spent 15 years in the UK where she held various positions at Universities and Research Institutes in Cambridge, London and Exeter. At the time of her IHC appointment, the Division of Medical Laboratory Science was still in its infancy. Under her leadership, the Division developed and culminated in the degree receiving accreditation by the Institute of Biomedical Science, UK, in 2001, which has been retained ever since. Over the years, there have been over 180 graduates in Medical Laboratory Science. The Division, now the Department of Applied Biomedical Science within the new Faculty of Health Sciences, currently has 4 full-time academic members of staff, with another 10 part-time members.

Professor Xuereb Anastasi lectures in Biochemistry and Research Methods. She is responsible for the running of a DNA Research Laboratory where she supervises projects at both undergraduate and postgraduate level. Her research interests concern mainly the Genetics of Complex Diseases, in particular the Genetics of Osteoporosis. Professor Xuereb Anastasi's work has been extensively published, with about 40 articles appearing in international peer-reviewed journals and several chapters in books. She has presented her research findings at many international conferences which have also been published as refereed proceedings.

Professor Xuereb Anastasi became the first elected Dean of the new Faculty of Health Sciences in July 2010 and occupies this office to date. Over the years, she has held several administrative positions within the University and, apart from Senate, also sits on a number of Senate and Joint Senate and Council Committees. Since 2007, Professor Xuereb Anastasi has held the post of Rector's Delegate for Research Policy. She has also been appointed as an Expert Evaluator for various EU funding programmes.



**Dr Barbara Häsler, NEOH chair**, graduated in veterinary medicine from the University of Bern in 2002 and then did a doctoral thesis at the Swiss Federal Veterinary Office on the epidemiology and economics of neosporosis control. After working as a border veterinary inspector, she joined the Royal Veterinary College, where she did a PhD on the economics of animal health surveillance while simultaneously studying for a Certificate of Higher Education in Economics.

Since 2012 she has been working (first as a Post-Doctoral Fellow and now as a lecturer in Agrihealth) for the Leverhulme Centre for Integrative Research on Agriculture and Health (LCIRAH), Royal Veterinary College.

Her main area of interest is the integration of economic, social and epidemiological aspects in animal disease mitigation to provide practical and feasible tools that support decision-makers in the efficient allocation of resources. She is particularly committed to the development of interdisciplinary frameworks that support appropriate surveillance and intervention programmes for the control of foodborne and zoonotic diseases in food systems both in the developed and developing world.



**The Hon. Christopher Fearne** was appointed Minister for Health in April 2016 after holding the position of Parliamentary Secretary for Health since April 2014. Prior to this, he worked as a Consultant Paediatric Surgeon and Clinical Chairman at Mater Dei Hospital. He is a Member of Parliament for the ruling Labour Party and was the Chairman of the Foreign and European Affairs Committee for the Maltese House of Representatives.

Hon. Fearne has worked as a doctor and surgeon for over 29 years. He received his formal education at St. Aloysius College and at the University of Malta graduating in Medicine and Surgery in 1987 subsequently becoming a Fellow of The Royal College of Surgeons of Edinburgh. He worked and studied in a number of children's hospitals in England, including Great Ormond Street Hospital in London. He also lectures medical students at the University of Malta.

Hon. Fearne was a founding Director of the Malta Institute for Medical Education and the Chairperson of Celebrities for Kids, a voluntary NGO promoting children's rights. As a student, Hon. Fearne was involved in a number of youth organisations. He has served as Secretary-General of the Maltese Federation of Youth Organisations, Officer within the University Students' Council, KSU and in the Malta Medical Students' Association, MMSA.



**Dr Natasha Azzopardi-Muscat** (MD, MSc (Public Health), MSc (Health Services Management), PhD, FFPH, DLSHTM) is the President of the European Public Health Association (EUPHA).

She was formerly the Chief Medical Officer for Malta. As a public health civil servant she occupied various senior positions in the Ministry of Health in Malta between 2001 and 2013. She has been a passionate advocate for public health and is a founding member and former President of the Malta Association of Public Health Medicine.

Natasha currently works as a Consultant in Public Health Medicine at the Directorate for Health Information and Research and is a lecturer at the University of Malta. Her main research interests are European health policy and health systems in small states. She has authored several publications on these topics.



**Prof. Ole Hanseth** is Professor within the Research Group for Information Systems at University of Oslo. He got his PhD in Informatics in 1996 from the department for informatics at University of Gothenburg and MSc in Informatics from the Department for informatics from University of Oslo in 1981.

Professor Ole Hanseth research focuses mainly on the interplay between social and technical issues in the development and use of large-scale networking applications. He has developed the Information Infrastructure theory. His work is published in top journals like Management Information Systems Quarterly, Journal of the AIS, European Journal of Information Systems, MIS Quarterly Executive, Computer Supported Cooperative Work (CSCW) and others.



**Catherine Machalaba** is the Program Coordinator for Health and Policy at EcoHealth Alliance, where her research supports the organization's efforts to operationalize One Health approaches for more coordinated and preventive public health systems. As part of the USAID Emerging Pandemic Threats PREDICT-2 project she is currently analyzing the effectiveness of One Health policies and practices, and is also a researcher on a field and epidemiology study in South Africa investigating the effects of climate, vegetation, mosquito ecology, ruminant and human exposure to Rift Valley Fever virus. She works closely with partners at the World Bank and the United Nations Environment Programme Secretariat of the Convention on Biological Diversity to advance environment, health and sustainable development synergies.

She has published in journals including The Lancet, EcoHealth, Solutions, and Annals of Global Health.

Catherine serves as officer for the Future Earth oneHEALTH project and the IUCN Species Survival Commission Wildlife Health Specialist Group, and Chairs the American Public Health Association's Veterinary Public Health group. She holds a degree in Biology, a Masters in Public Health, and is currently completing a doctorate in environmental health. Prior to joining EcoHealth Alliance in 2010 she conducted West Nile virus surveillance at the Vermont Department of Health and completed a fellowship in healthcare systems redesign.



**Dr Sara Savic**, PhD, DVM, is Head of Department of serology, immunology and biochemistry, at the Scientific Veterinary Institute "Novi Sad" in Novi Sad, Serbia. She work in a lab in charge of zoonoses, infectious diseases of animals and also vector borne diseases.

Dr Savic graduated as DVM at Faculty of Veterinary Medicine, University of Belgrade, Serbia in 1994, MSc in Microbiology and infectious diseases in 2001 at the same faculty, and PhD at the Faculty of agriculture, Department for Veterinary Medicine at University of Novi Sad in 2010. Today she works as a Senior Research Associate at the Scientific Veterinary Institute.

Her research is mainly on zoonoses, especially on vector borne zoonoses such as Lyme borreliosis, dirofilariosis and leishmaniasis, from the perspective of public health. She has authored and co-authored many articles in peer-reviewed veterinary and health journals and acts as reviewer of several journals in animal health care.





**Dr Charmaine Gauci** is the Superintendent of Public Health within the Ministry for Health in Malta with wide responsibility of public health to safeguard and enhance the health status of the people. She had occupied the position of Director of the Health Promotion and Disease Prevention Directorate for nine years.

She graduated as a medical doctor in 1991. Over the years she has developed skills in the wide aspect of the public health specialty. She pursued her studies with masters in public health and consequently followed the European Programme in Epidemiological training in France. She has also specialized in fitness and nutrition. She attained her PhD Degree in epidemiology in 2006. Dr Gauci is also a Prince practitioner in project management. She is a fellow of the UK

Royal Society for Public Health and a fellow of the UK Faculty of Public Health.

Dr Gauci is a senior lecturer at the University of Malta and delivers lectures in the field of public health with special interest in Public Health, Epidemiology, Communicable Diseases, Health Promotion and Policy development. She is active in the field of public health having served as secretary, vice president and also served as president with the Malta Association of Public Health Medicine for four years.

Dr Gauci acts as a focal point for a number of bodies within the European Commission including HLG, ECDC and Health Security and for the World Health Organisation and is project leader for a number of EU projects. Her aim is to protect and improve people's health and wellbeing.



**Dr Jorge Pinto Ferreira** is a Doctor of Veterinary Medicine with clinical experience of five years (food animals); Masters in Food Safety and a PhD (as Fulbright scholar) in Public Health with a graduate certificate in Public Policy (NCSU & Duke).

He completed an internship at the WHO (Geneva, 2009) and implemented a project in Uganda ("Building a comprehensive health care system in Kashongi", Summer 2010).

He is currently a resident of the European College of Veterinary Public Health and Junior Consultant at SAFOSO. Jorge is the founder and current President of CAOVIDA, THE ONE HEALTH CLUB, a non-profit, based in Portugal, dedicated to dog-assisted physical activity.

Professional interests: Antimicrobial resistance; Zoonoses; One Health; International Organizations; Global Health policies; Capacity building in developing countries.



**Dr Daniel Cauchi** is a Maltese Public Health specialist trainee and a member of the Malta Association of Public Health Medicine. He recently completed a research degree at the London School of Hygiene and Tropical Medicine, focusing on the contributions of an obesogenic environment to childhood obesity in Malta. Daniel currently works at the Clinical Performance Unit at Mater Dei Hospital, and is also a country co-ordinator and project manager for an ongoing national food consumption survey. His academic interests include obesity and the obesogenic environment, and the interface between research and policy and knowledge translation.



**Dr Asta Tvarijonaviute** is a postdoctoral researcher at Murcia University. Her research has been focusing on the use of biomarkers for monitoring health and disease in different tissues of humans, companion and farm animals, wildlife, and marine species. She obtained her PhD in biomarkers canine and feline obesity. She has a particular interest in the comparative study of companion animal and human obesity.



**Dr Tracey Dutcher** helps coordinate One Health activities within the U.S. Department of Agriculture, Animal and Plant Health Inspection Service. Prior to joining USDA in 2004, Tracey spent 7 years as an epidemiologist in Federal and state public health agencies, working across the spectrum from outbreak investigation and response to policy development. Tracey specializes in facilitating the development of innovative partnerships with Federal Agencies, academia, and industry. Her current priorities include working with academic partners to build and apply practical tools that enable an 'operational' approach to working across organizational and disciplinary lines to address complex health threats. Dr. Dutcher is an alumnus of the CDC Epidemic Intelligence Service, and a diplomate of the American College of Veterinary Preventive Medicine.



**Dr Francesca Contadini** is a veterinarian completing the Veterinary Public Health and Preventive Medicine Residency at the University of Minnesota. She has been previously involved in a variety of One Health projects, ranging from a rabies vaccination campaign in India to food safety in the UK, as well as collaborating with the University of Turin researching zoonoses in Cape Verde and with Veterinarian Without Borders in Guatemala.

During her first year of residency she worked on projects ranging from Risk Analysis of avian influenza in broiler production and a literature review of preharvest interventions to reduce Salmonella infections, as well as collaborating with the USDA and University of Minnesota to further develop and apply the One Health System Mapping and Analysis ResourceToolkit (OH-SMART).



## Organisers

### Local organisers:

- **Prof. Sandra Buttigieg:** University of Malta, Department of Health Services Management, [sandra.buttigieg@um.edu.mt](mailto:sandra.buttigieg@um.edu.mt)
- **Dr Elaine C. Lautier:** Public Health Specialist Trainee, [elaine.lautier@gov.mt](mailto:elaine.lautier@gov.mt)
- **Ms Lucienne May Bugeja:** University of Malta, [lucienne.m.bugeja@um.edu.mt](mailto:lucienne.m.bugeja@um.edu.mt)

### Other NEOH organisers:

- Dr Sara Savić ([sara@niv.ns.ac.rs](mailto:sara@niv.ns.ac.rs))
- Dr Asta Tvarijonaviciute ([asta@um.es](mailto:asta@um.es))
- Dr Uffe Christian Braae ([braae@sund.ku.dk](mailto:braae@sund.ku.dk))
- Prof. Liza Rosenbaum Nielsen ([liza@sund.ku.dk](mailto:liza@sund.ku.dk))
- Dr Martha Betson ([m.betson@surrey.ac.uk](mailto:m.betson@surrey.ac.uk))
- Dr Barbara Häslér ([bhaesler@rvc.ac.uk](mailto:bhaesler@rvc.ac.uk))
- Mrs Houda Bennani ([hbennani@rvc.ac.uk](mailto:hbennani@rvc.ac.uk))

## Restaurants in Valetta in the vicinity of the University of Malta – Valetta Campus

### Luciano's

21/22, Merchants Street  
Tel: 21236212  
Price Range: €8.00 - €15.00

### Nenu the Artisan Baker

143, St Dominic Street  
Tel: 22581535  
Price Range: €15.00 – €25.00

### San Giovanni

St John's Square  
Tel: 21224190  
Price Range: €12.00 - €20.00

### Café Cordina

Republic Square  
Tel: 21234385  
Price Range: €10.00 - €20.00

### La Mere

174, Merchants Street  
Tel: 21223256  
Price Range: €20.00 - €25.00

### Ambrosia

137, Archbishop Street  
Tel: 21225923  
Price Range: €12.00 - €25.00

### Margo's

63, Republic Street  
Tel: 27627467  
Price Range: €15.00 - €20.00

### Rampila

St John Cavalier Street  
Tel: 21226625  
Price Range: €18.00 - €30.00

### Malata

St George's Square  
Tel: 21233967  
Price Range: €10.00 - €20.00

### La Giara

74, Republic Street  
Tel: 21231255  
Price Range: €12.00 - €25.00