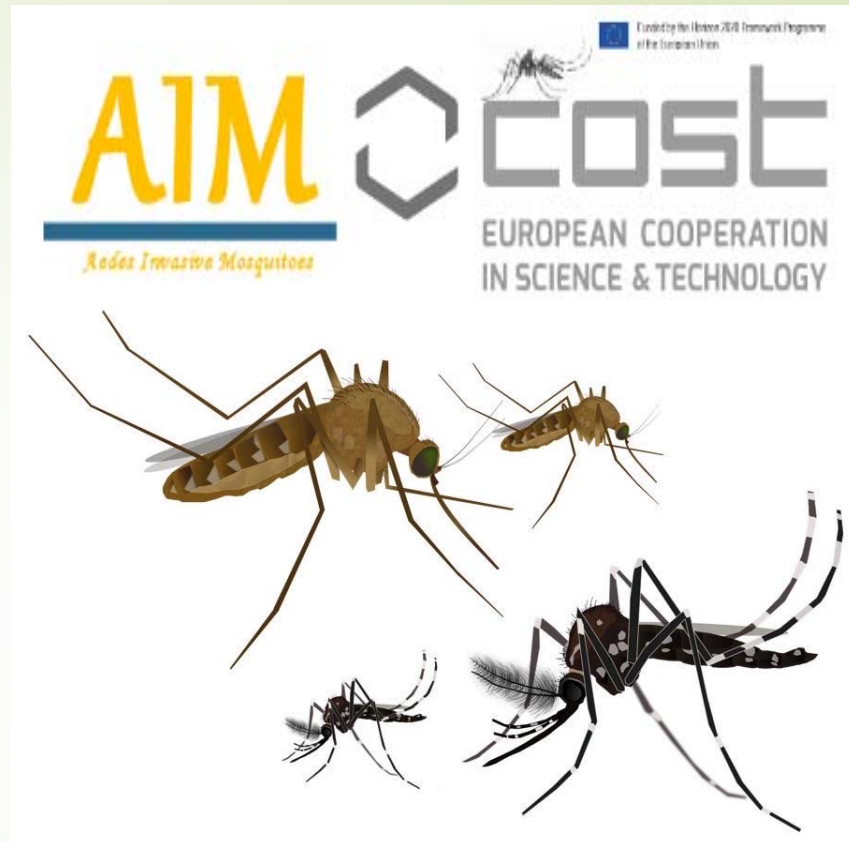


Everything
you wanted
to know about mosquitoes

Dare to ask!



Thursday 16th of January 2020,
18:00, Amphitheatre 1
Tasos Papadopoulos Building
Cyprus University of
Technology, Limassol



Everything you wanted to know about mosquitoes. Dare to ask!

Why do mosquitoes bite me? Why mosquitoes at home are huge? What do the 'infected' mosquitoes carry? Which are the tiger mosquitoes? are we in danger from them? How can I get rid of mosquitoes? Can I help as a citizen?

Come and find out more about your lovely companion that buzzes in your ear, gives you love bites and comes back even though you turn it away! Ask renowned international experts what you can do to make this relationship a little bit less miserable.

The event is funded within the framework of COST Action CA17108 «*Aedes Invasive Mosquitoes*» and it is co-organised by the Joint Services Health Unit, the Cyprus Institute, Enalia Physis and the Cyprus University of Technology.

The discussion will be moderated by Dr Angeliki F. Martinou, Joint Services Health Unit and Dr Marlen Vasquez, Cyprus University of Technology



Frederic Bartumeus
ICREA
Spain



Romeo Bellini
CAA "G. Nicoli"
Italy



Alessandra della Torre
University of Sapienza
Italy



Kamil Erguler
Cyprus Institute
Cyprus



Filiz Gunay
Hacettepe University
Turkey



Angeliki Martinou
Joint Services Health
Unit
Cyprus



Miguel A Miranda
University of
Balearic Islands
Spain



Dušan Petrić
University of
Novi Sad
Serbia

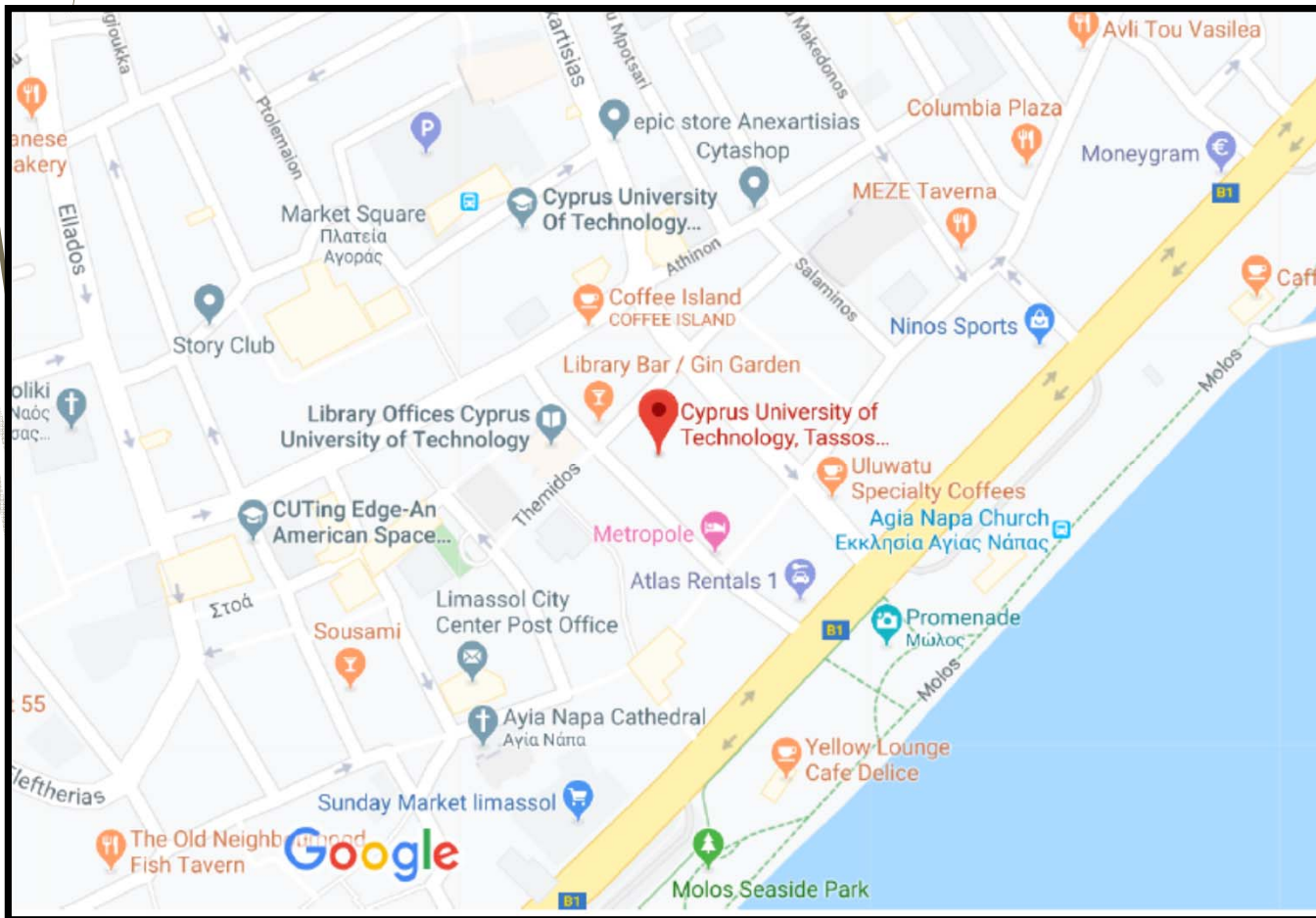


Marlen Vasquez
Cyprus University
of Technology
Cyprus



William Wint
University of
Oxford
United Kingdom

Venue



Thursday 16th of January
2020

18:00

Cyprus University of
Technology

Tasos Papadopoulos
Building

AMF 1

Themidos & Ifigenias Street
Limassol, Cyprus

Frederic Bartumeus

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He is a Research Professor at the Catalan Institute for Research and Advanced Studies (ICREA) and affiliated to the Centre for Advanced Studies of Blanes (CEAB-CSIC) Spanish Research Council and the Ecological and Forestry Applications Research Centre Universitat Autònoma of Barcelona (CREAF)

His research interests lie somewhere between empirical data analysis and modelling:

- 1) Animal Movement, Dispersal, and Behavioural Ecology
- 2) Bringing together Statistical Physics and (data-driven) Ecology
- 3) Develop Ecological Theory and Computational Methods
- 4) Use of Novel Technologies and Citizen Science for AIM surveillance and disease-risk evaluation



Romeo Bellini

rbellini@caa.it



Romeo Bellini is a Professor in Entomology currently covering the positions of Director of the Entomology; Zoology Sanitary Dept. at the Centro Agricoltura Ambiente "G.Nicoli" (<http://www.caa.it/content/home/default1.asp>) in Italy and he is responsible of the IAEA Collaborating Centre on SIT application against *Aedes* mosquitoes. He has 30 years of experience in mosquito ecology studies and management of mosquito control programmes in Italy and other Mediterranean countries. He served as a European Director of the SOVE (1998-'99) and as the Italian Director of the European Mosquito Control Association (2003-'05). He is providing expert consultations to international bodies such as the World Health Organization (WHO) Europe, the European Centre for Diseases Prevention and Control (ECDC), the European Food Safety Agency (EFSA), the International Atomic Energy Agency (IAEA). He is an author or co-author of 90 referred scientific publications.





Alessandra della Torre

Alessandra.Dellatorre@uniroma1.it

Professor della Torre has been for more than 20 years the leader of the Medical Entomology group in SAPIENZA University (Rome, Italy). Her research interests focus on mosquito vectors of human pathogens in Europe and in Sub-Saharan Africa. With reference to European mosquito species I focus mostly on *Aedes albopictus*, in particular on: 1) the species bionomics in invaded and stably colonized regions; 2) understanding the major ecological determinants of the species distribution in urban areas; 3) development and testing of conventional and new tools for surveillance, monitoring and control; 4) the public health risk associated to the species presence in Europe. With reference to Afrotropical malaria vectors, my major interest is the genetic sub-structuring within the *Anopheles gambiae* complex and its impact on malaria epidemiology. I have participated as coordinator, group leader or working group coordinator to several projects funded by EU-FP7, NIH-USA, WHO, Institut Pasteur Italy, Italian Ministries of Research, of Health and of Defence, and by SAPIENZA University.

Kamil Erguler
Cyprus University of Technology
k.erguler@cyi.ac.cy

Kamil Erguler is an Associate Research Scientist at the Climate & Atmosphere Research Center of The Cyprus Institute. He was trained in Molecular Biology and Genetics at Middle East Technical University, Ankara, and at the University of California, Berkeley. He received an MRes degree in Biochemical Research, an MSc degree in Bioinformatics and Theoretical Systems Biology, and a PhD for his work on the mathematical modelling and dynamics of biochemical systems from Imperial College London. His main research interests are dynamical modelling and analysis of biological systems, stochastic non-linear dynamics and chaos, parameter inference, model selection, sensitivity analysis and data visualisation. In his current position, he is working on modelling vector-borne diseases and assessing the impact of climate on global disease burden. He has published 15 papers and he has a Web of Science h-index of 10. He has delivered invited speeches on several national and international organisations.





Filiz Gunay, PhD

gunayf@gmail.com

Dr Gunay is a Research Assistant at Hacettepe University in Ankara, Turkey, where she received a B.S. degree in Biology and an M.S. degree in Ecology. Her PhD thesis was on the mosquito fauna of Turkey with morphological identification techniques and DNA barcoding, in association with Natural History Museum in London and Smithsonian Museum in Washington DC. I worked in IRD Montpellier, France, for 6 months as a Post-Doc Researcher to prepare a computer-aided identification key for mosquitoes in Europe, North Africa and Middle East, named MosKeyTool. Her research interests are vector ecology, morphological-molecular taxonomy of mosquito species. I am the author of over 20 scientific papers and attend international conferences regularly. As a member of Society for Vector Ecology, she is currently involved in 1 national and 4 international projects. She is the Scientific Communication Manager of AIM-COST Action.





Kelly Martinou

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Dr Martinou is the Head of the Laboratory and PI of the Vector Ecology and Applied Entomology at the Joint Services Health Unit, British Forces Cyprus since 2015. Her interests lie in three main research themes:

1. Integrated Vector Management in Cyprus and overseas
2. Research and Policy regarding invasive alien species
3. Citizen science and awareness raising regarding vectors of pathogens

Since 2015 she is responsible for mosquito surveillance in the Sovereign Base Areas of Cyprus (Akrotiri, Episkopi, Dekheleia) and other British Overseas Territories. Since 2018, she initiated the mosquitoes without borders network an island wide mosquito citizen-science initiative in collaboration with a fantastic team of informed citizens and researchers.

She feels very privileged to be the Science Communication Manager for COST Action 17122 Alien CSI and a lead author for the IPBES global assessment of invasive alien species. She is a Research Associate at Cyprus Institute and Enalia Physis. She is the Deputy Editor in Chief for the Journal of Bioinvasions Records.

If you wish to find more about her work please visit martinoulab.weebly.com and <https://www.ris-ky.eu>

Miguel A Miranda

ma.miranda@uib.es

Dr Miranda is a Senior Lecturer of Zoology at the University of the Balearic Islands since 1995. His scientific career began with the study of the parasitoids of the pine processionary (*Thaumetopoea pityocampa*). From 1995 to 1999 he conducted PhD about the Mediterranean fruit fly (*Ceratitidis capitata*). From 2000 he started to work on the vectors of the genus *Culicoides* (Ceratopogonidae), vectors of the bluetongue virus. The activity on those vectors has occupied much of my scientific research over the past 19 years. He is a member of several international committees. Research during the period 2000-2019 has also included other groups of vectors, such as ticks, sandflies and especially mosquitoes, such as the Asian tiger mosquito *Aedes albopictus*. Similarly he has conducted extensive scientific work in the study of other insects of economic importance, such as Hymenoptera, the red palm weevil; parasites of bees, such as *Varroa destructor*, and parasites of domestic animals such as *Oestrus ovis*. Since 2017 he is also working on the bioecology and control of the Aphrophoridae (Hemiptera) that transmit the bacteria *Xylella fastidiosa* in the Balearic Islands. Since 2015, I am a member of the Animal Health and Welfare Panel of EFSA (European Food Safety Agency).





Dušan Petrić

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Professor Petrić is a medical entomologist. Since 1980, his research activities in Laboratory for medical and veterinary entomology, Faculty of Agriculture, Novi Sad, Serbia, and my international collaboration were oriented to mosquito systematics, ecology, host searching behaviour, monitoring/surveillance and control. Besides, he is teaching general and medical entomology and academic skills to BSc and PhD students. He was involved in the quality control of mosquito control measures. Together with colleagues from Germany, Italy and France, since the end of the last century have been evaluating adult mosquitoes sampling techniques. He has been organising and coordinating research on black flies and their control, entomological surveillance of WNV and most recently involved in projects on Asian tiger mosquito mass rearing and control by Sterile Insect Technique (SIT), biting midges, sand flies and pathogens they transmit. Co-authored three books on mosquito ecology and control and was engaged as expert lecturer/trainer/consultant by ECDC, EFSA, IAEA and IRD.





Marlen I Vasquez

Dr Marlen I. Vasquez is a Biologist with a PhD in Environmental Engineering. From 2016 she leads the Oikotoxicologia Research Group at the Department of Chemical Engineering, Cyprus University of Technology, where she also lectures at the under and postgraduate level. She is interested in developing and implementing molecular tools for monitoring the environment health status. She is interested in disentangling stressors driving biodiversity. She has led the invasive mosquito species surveillance in the Municipality of Limassol from 2017 in collaboration with governmental authorities. From 2020, she is leading the island-wide bicommunal surveillance program for both native and invasive mosquito species. She has participated in more than 15 research projects (>5.5M euros) leading to 26 publications and 25 conferences participations.



Willy Wint



william.wint@zoo.ox.ac.uk

Managing director and senior analyst of a small consultancy, with close links to the Department of Zoology, Oxford University. In the eighties and early nineties), ERGO specialised in Agricultural Survey, largely in Africa, and led the field in aerial survey design and implementation. Over 2 million square kilometres were surveyed over 10 years, much of it several times, pioneering the formalising the use of geolocation in animal and ground survey, and developing integrated air and ground survey and analysis techniques still in use today. In more recent years our activities have moved away towards geospatial analyses and modelling, and have included the production of continental disease vector distributions and the first ever Global Livestock Maps and for the Food and Agriculture Organisation of the UN (google "FAO GLW"). Increasingly, these core activities have required supporting data archive construction management together with website construction and design, Data Management Website for the EU funded FP6 Project EDENext (edenextdata.com), as well as spatial analysis. Closer to home, in recent years ERGO has worked on various spatial aspects of human and animal health with ECDC (VBORNet, EPOC, VECTORNET), EFSA, a number of EU FP7 and H2020 projects (IDAMS, VMERGE, PALEBLU), and the European Space Agency (VEDCMAP, LYMEAPP). There is also a long and continuing history of research in the distribution and spread of bovine tuberculosis for the UK Department for Environment, Food and Rural Affairs.