



WARSAW UNIVERSITY OF LIFE SCIENCES
Faculty of Horticulture and Landscape Architecture
Nowoursynowska 159, 02-776 Warsaw, Poland



Warsaw, August 26th, 2013

The Faculty of Horticulture and Landscape Architecture, Warsaw University of Life Sciences, Poland as well as the authorities of the EU FP7 project REGPOT entitled: "WULS Plant Health - Warsaw Plant Health Initiative" carried out at the Faculty, have pleasure in inviting you to attend the symposium:

"Classical and molecular approaches in plant pathogen taxonomy"

which will be held on the 10 – 11 September 2013 in WULS. Participation in the Symposium is open and completely free of charge to all attendees, presenters, and general participants/viewers, however registration is required.

Sincerely yours

Symposium Organizing Committee

Scientific Programme
**Classical and molecular approaches
in plant pathogen taxonomy**

Warsaw University of Life Sciences
September 10-11, 2013
Warsaw, Poland

Tuesday, September 10th, 2013

08:00 - 09:00 **Registration, poster placement and Welcome coffee**

09:00 - 09:30 **Opening of the Symposium**

Rector of the WULS – SGGW, Poland
Dean of Faculty of Horticulture, Biotechnology and Landscape Architecture
Project Coordinator of the WULS Plant Health

Session I Current challenges in plant pathogen taxonomy (Building 37, Aula II)

09:30 - 10:00 **Previous and present picture of potato viruses in Poland**

Mirosława Chrzanowska
(Plant Breeding and Acclimatization Institute – National Research Institute,
Poland)

10:00 - 10:30 **Importance of traditional methods in taxonomy of plant pathogenic fungi**

Joanna Marcinkowska (Warsaw University of Life Sciences, Poland)

10:30 - 11:00 **Detection of *Erwinia amylovora* in necrotic host and non-host tissues using conventional and molecular methods**

Piotr Sobiczewski (Research Institute of Horticulture, Poland)

11:00 - 11:30 Coffee break

11:30 - 12:00 **Presumed phytoplasmal aetiology of witches' broom symptoms in coniferous plants in Europe**

Maria Kamińska (Research Institute of Horticulture, Poland)

12:00 - 12:30 **The role of salicylic acid in *Ny-1* and *Ry-fsto* mediated resistance response to *Potato virus Y* in potato**

Jacek Hennig (Polish Academy of Sciences, Poland)

12:30 - 13:00 **Molecular methods for detection, identification and differentiation of bacteria from the genera *Pectobacterium* and *Dickeya***

Ewa Łojkowska (University of Gdansk, Poland)

13:00 - 13:30 **Molecular diagnostics of plant pathogenic fungi**

Tomasz Kulik (University of Warmia and Mazury in Olsztyn, Poland)

13:30 - 14:00 Discussion & Conclusion

14:00 - 15:00 Lunch

Session II (Building 37, Exhibition hall, 2nd floor)

15:00 - 16:00 **Poster presentations**

Classical and molecular approaches in plant pathogen taxonomy

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Wednesday, September 11th, 2013

Session III Topics in taxonomy and identification of Plant Pathogenic Viruses and Bacteria, Building 35, room 26

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- 09:00 - 09:30 **Recent evolution in the taxonomy of grapevine leafroll - and rugose wood -associated viruses**
Etienne Herrbach (INRA, France)
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- 09:30 - 10:00 **Present taxonomic structure of the family *Potyviridae* and characterization of two new members of the genera *Tritimovirus* and *Poacevirus* isolated from grasses**
Frank Rabenstein (Federal Research Centre for Cultivated Plants, Germany)
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- 10:00 - 10:30 Coffee break
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- 10:30 - 11:00 **Decision making process and taxonomy of the *Secoviridae***
Karel Petrzik (Academy of Sciences of the Czech Republic, Czech Republic)
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- 11:00 - 11:30 **High throughput sequencing opens new frontiers in studying plant pathogens**
Tadeusz Malinowski (Research Institute of Horticulture, Poland)
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- 11:30 - 11:45 **Interactions between eIF4F and the 3'cap-independent translation element of *Barley Yellow Dwarf Virus* (BYDV)**
- 11:45 - 12:00 **Application of molecular and immunological methods for direct detection of potato viruses in dormant tubers**
Krzysztof Treder (Plant Breeding and Acclimatization Institute – National Research Institute, Poland)
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- 12:00 - 12:30 **Ion-exchange membrane chromatography – a new tool for plant virus purification**
Agnieszka Przewodowska (Plant Breeding and Acclimatization Institute – National Research Institute, Poland)
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- 12:30 - 13:00 **Detection methods of plant pathogenic bacteria of *Rhizobium/Agrobacterium* complex**
Joanna Puławska (Research Institute of Horticulture, Poland)
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- 13:00 - 13:30 **Modern diagnosis of quarantine pathogen – *Clavibacter michiganensis* ssp. *sepedonicus* based on colloidal gold as sensitive marker**
Włodzimierz Przewodowski (Plant Breeding and Acclimatization Institute - National Research Institute, Poland)
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- 13:30 - 14:00 Discussion & Conclusion
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- 14:00 Lunch
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Classical and molecular approaches in plant pathogen taxonomy

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Session IV Plant Pathogenic Fungi, Building 37, basement – room 0/106

08:30 - 09:00	Molecular methods for the identification and population genetic analysis of fungi János Varga (University of Szeged, Hungary)
09:00 - 09:30	Recent developments in molecular identification of plant pathogenic fungi R. Henrik Nilsson (University of Gothenburg, Sweden)
09:30 - 10:00	Vegetative compatibility in wilt-disease pathogens: <i>Fusarium oxysporum</i> and <i>Verticillium dahliae</i> Maria Rataj-Guranowska (Institute of Plant Protection-National Research Institute, Poland)
10:00 - 10:30	Coffee break
10:30 - 11:00	<i>Fusarium</i> species and mycotoxins occurring in European maize and geographic distribution and multilocus analysis of worldwide <i>Fusarium subglutinans</i> and <i>F. temperatum</i> Antonio F. Logrieco (Institute of Sciences of Food Production, CNR, Italy)
11:00 - 11:30	From taxonomy to field monitoring, a polyphasic approach applied to <i>Fusarium temperatum</i> Jonathan Scauflaire (Catholic University of Louvain, Belgium)
11:30 - 12:00	Occurrence of <i>Fusarium</i> spp. and associated mycotoxins in Polish maize across 2011 – 2012 Elżbieta Czembor (Plant Breeding and Acclimatization Institute – National Research Institute, Poland)
12:00 - 12:30	Coffee break
12:30 - 13:00	Does molecular perspective change position of plant pathogens in mucoralean systematics? Marta Wrzosek (University of Warsaw, Poland)
13:00 - 13:30	Application of classical and molecular methods to differentiate populations of <i>Phomopsis</i> spp. isolated from fruit plants in Poland Barbara Kowalik (University of Life Sciences in Lublin, Poland)
13:30 - 14:00	Gall formation in clubroot-infected <i>Arabidopsis</i> – the developmental perspective Robert Malinowski (Polish Academy of Sciences, Poland)
14:00 - 14:15	Discussion & Conclusion
14:15	Lunch

Real-Time PCR technique for the detection of the plant viruses (workshop)

Warsaw University of Life Sciences

September 12, 2013

Warsaw, Poland

Thursday, September 12th, 2013, Building 37, room P/23

08:45 - 09:00 **Opening of the Workshop**

09:00 - 10:00 **Lecture – part 1.1**
Introduction to Real-Time PCR
Tadeusz Malinowski (Research Institute of Horticulture, Poland)

10:00 - 10:30 Coffee break

10:30 - 11:30 **Lecture – part 1.2**
The most frequently used formats of 'real-time' amplicon detection
Tadeusz Malinowski

11:30 - 12:15 **Practical course – part 1**
Performing of Real-Time PCR
Anna Kozłowska-Makulska (Warsaw University of Life Sciences, Poland)

12:15 - 13:15 **Lecture – part 2**
Application of Real-Time PCR for detection and identification of plant viruses
Tadeusz Malinowski

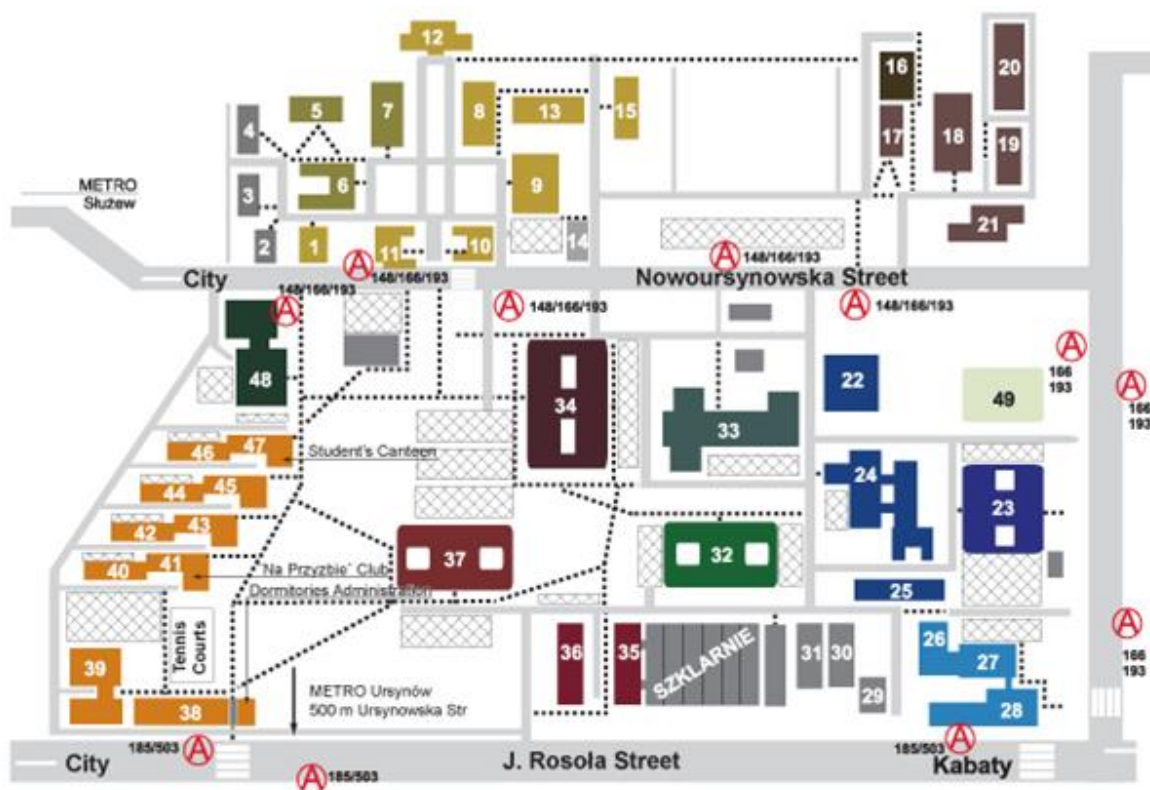
13:15 - 14:15 Lunch

14:15 - 15:00 **Practical course – part 2**
Analysis of Real-Time PCR results
Anna Kozłowska-Makulska

15:00 - 15:30 **Lecture – part 3**
Criteria for selection of a Real-Time PCR machine suitable for your specific needs
Tadeusz Malinowski

15:30 - 15:45 Discussion & Conclusion

WULS-SGGW CAMPUS



EXPLANATIONS:

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|--|--|
| 1. Computer Center | 24. Faculty of Veterinary Medicine |
| 2. Centre for Research and Training Management WULS Press | 25. Breeding Animal Laboratory |
| 3. Secretariats of Interdisciplinary Departments | 26. Sport Hall |
| 4. Faculty of Humanities | 27. Swimming Pool |
| 5,6,7 Faculty of Economic Sciences | 28. Foreign Language Center and Sports Center |
| 8. University Administration (Students Affairs Office, Registration, AGROKADRA, Science Office, International Relations Office, European Programmes' Centre) | 29. Water Treatment Station |
| 9. "Kryształowa" Hall (Crystal Hall) | 30,31 University Administration |
| 10. Students Organizations | 32. Faculty of Food Science (FFS) |
| 11. Financial Department, Cash desk, Bank | Faculty of Human Nutrition and Consumer Science |
| 12. Rectorate (Rector, Chancellor) | 33. Faculty of Engineering and Environmental Science |
| 13. Faculty of Horticulture and Landscape Architecture | 34. Faculty of Forestry |
| 14,15 University Administration | Faculty of Wood Technology (FWT) |
| 16. Machines Hall of FWT | 35,36 Faculty of Horticulture and Landscape Architecture |
| 17-19,21 Faculty of Production Engineering (FPE) | 37. Faculty of Horticulture and Landscape Architecture |
| 20. Machines Hall of FPE | Faculty of Agriculture and Biology |
| 23. Faculty of Veterinary Medicine | 38. "Limba" Dormitory, Ambulatory |
| Faculty of Animal Science | 39. "IKAR Hotel" |
| | 40 - 47 Dormitories |
| | 48. Main Library, Museum and Archive |
| | 49. Water Center |

HOW TO GET TO WARSAW UNIVERSITY OF LIFE SCIENCES – SGGW

Warsaw University of Life Sciences - SGGW is located in the southern part of Warsaw, approximately 15 km from the city centre. The University is easy to access by car, the municipal bus service or taxi. There are also three metro stations not very far from WULS SGGW: METRO SŁUŻEW, METRO URSYNÓW AND METRO STOKŁOSY. Detail information how to get to Warsaw University of Life Sciences – SGGW is available at WWW: <http://www.sggw.pl/wp-content/uploads/2010/02/HOW-TO-GET-TOWARSAW-UNIVERSITY-OF-LIFE-SCIENCES-2011.09.pdf>