



**ESPT**  
European Society of Pharmacogenomics and Theranostics

# 1<sup>st</sup> ESPT Summer School on Pharmacogenomics and Theranostics



August 21<sup>st</sup> – August 26<sup>th</sup> 2012, Ljubljana, Slovenia



University of Ljubljana  
Faculty of Pharmacy



Dear colleagues,

It is a great pleasure to invite you to the 1<sup>st</sup> ESPT Summer School on Pharmacogenomics and Theranostics, which will be held at the University of Ljubljana, Faculty of Pharmacy, Ljubljana, Slovenia, from August 21<sup>st</sup> to August 26<sup>th</sup> 2012.

The summer school is organized by the European Society of Pharmacogenomics and Theranostics (ESPT). It is a society that brings together people interested in all aspects of pharmacogenetics, pharmacogenomics, therapeutic diagnostics and all other approaches focused on improving the delivery of medicines to the right patient at the right dose and at the right time. The goal of our summer school is to provide students and health professionals with comprehensive training and updated knowledge in the multidisciplinary field of pharmacogenomics and theranostics, based on an integrated approach incorporating all facets of “New Genetics” and to encourage interaction between young students and specialists in the field. The program is designed for graduate and postgraduate students, but also for medical doctors and researchers from various fields interested in pharmacogenomics, and it does not require previous knowledge and experience in the field.

The summer school will consist of lectures, held by distinguished international faculty, workshops and student presentations. Participants will have a unique opportunity to discuss their work with invited professors during the “Meet the professor session” and will be able to introduce themselves and their work to their peers on a one-to-one basis, during the “Speed dating session”.

Ljubljana, a rising star of “new” Europe is a vibrant city, at the same time busy capital and lively University town. It incorporates all charms of central Europe and is a very friendly city waiting to be explored. We are looking forward to seeing you in Ljubljana!

Janja Marc, Vangelis G Manolopoulos

# PROGRAMME AT A GLANCE

	MONDAY, August 20 <sup>th</sup>	TUESDAY, August 21 <sup>st</sup>	WEDNESDAY, August 22 <sup>nd</sup>	THURSDAY, August 23 <sup>rd</sup>	FRIDAY, August 24 <sup>th</sup>	SATURDAY, August 25 <sup>th</sup>	SUNDAY, August 26 <sup>th</sup>
7.30-9.00	arrivals						departures
9.00-12.00	registration	Module 1 DRUGS: Principles of Clinical Pharmacology	Module 2 GENETICS: Basic concepts in Genetics and Molecular Diagnostics	Module 3 Pharmacogenomics and theranostics	Module 3 Pharmacogenomics and theranostics	Module 3 Pharmacogenomics and theranostics	
12.00-14.00		Lunch	Lunch	Lunch	Lunch	Exam Lunch	
14.00-18.00	registration	Module 1 DRUGS: Principles of Clinical Pharmacology	Module 2 GENETICS: Basic concepts in Genetics and Molecular Diagnostics	Module 3 Pharmacogenomics and theranostics	free afternoon	Module 3 Pharmacogenomics and theranostics	
18.00-19.00		Welcome drink				Dinner	
20.00							

# TENTATIVE PROGRAMME

Day 1 - August 20 <sup>th</sup> 2012	
	Arrivals
14:00 – 19:00	Registration
Day 2 - August 21 <sup>st</sup> 2012	
8:30 – 9:30	Registration
9:30 – 10:00	<b><i>Greetings, Introduction.</i></b> Gerard Siest, F, Janja Marc, SLO
10:00 – 11:00	<b><i>Clinical Pharmacology: History, definitions, dimensions, role in drug development.</i></b> Vangelis Manolopoulos, GR
11:00 – 12:00	<b><i>Drug disposition in health and disease</i></b> - Urs A. Meyer, CH
12:00 – 14:00	Lunch break
14:00 – 15:00	<b><i>Liberation, Absorption, Distribution, Metabolism, Excretion (LADME) Systems</i></b> – Mojca Kerec Kos, SLO
15:00 – 16:00	<b><i>Adverse drug effects</i></b> – Munir Pirmohamed, UK
16:00 – 16:30	Coffee break
16:30– 17:15	<b><i>Causes for PK/PD variations-mathematical modeling</i></b> – Iztok Grabnar, SLO
17:15 – 18:00	<b><i>Therapeutic drug monitoring</i></b> – TBA
18:00 – 19:00	Speed dating session
20:00	Welcome drink
Day 3 - August 22 <sup>nd</sup> 2012	
9:00 – 10:00	<b><i>Introduction to human genomics</i></b> – George Dedoussis, GR
10:00 – 11:00	<b><i>Diversity of the human genome sequence and its implications for health care: genomic medicine, stratified medicine, personalized medicine</i></b> – Urs A. Meyer, CH
11:00 – 12:00	<b><i>Old and new technologies in molecular diagnostics</i></b> – Barbara Ostanek, SLO
12:00 – 14:00	Lunch break
14:00 – 14:45	<b><i>Consortia and biobanking</i></b> – TBA
14:45 – 15:30	<b><i>Epigenetics and miRNAs</i></b> – TBA
15:30 – 16:00	Coffee break
16:00 – 17:00	<b><i>Pharmacogenomic discovery using cell-based models</i></b> – David Gurwitz, IL
17:00 – 18:00	<b><i>Meet the Professors / 2 parallel workshops</i></b>

# TENTATIVE PROGRAMME

<b>Day 4 - August 23<sup>rd</sup> 2012</b>	
9:00 – 10:00	<b><i>Pharmacogenomics to reduce adverse drug reactions:</i></b> – Munir Pirmohamed, UK
10:00 – 11:00	<b><i>Population pharmacogenomics</i></b> – Adrian Llerena, E
11:00 – 12:00	<b><i>Pharmacogenomics of infectious diseases</i></b> – TBA
12:00 – 14:00	Lunch
14:00 – 15:00	<b><i>Pharmacogenomics and pharmacoepigenomics in oncology</i></b> – Ingolf Cascorbi, D
15:00 – 16:00	<b><i>Pharmacogenetics of breast cancer</i></b> – Ron van Schaik, NL
16:00 – 16:30	Coffee break
16:30 – 17:30	<b><i>Pharmacogenomics of TPMT</i></b> – Irena Mlinaric Rascan, SLO
17:30 – 18:30	<b><i>Pharmacogenomics of tyrosine kinase inhibitors in chronic myeloid leukemia therapy</i></b> – Simon Zakelj, SLO
<b>Day 5 - August 24<sup>th</sup> 2012</b>	
9:00 – 10:00	<b><i>Meet the Professors / 2 parallel workshops</i></b>
10:00 – 11:00	<b><i>Pharmacogenomics of antipsychotic drugs</i></b> – Adrian Llerena, E
11:00 – 12:00	<b><i>Pharmacogenomics of antidepressant drugs</i></b> – David Gurwitz, IL
12:00 – 13:00	<b><i>Pharmacogenomics of drugs for the cardiovascular system</i></b> – Vangelis Manolopoulos, GR
13:00 – 14:00	Lunch
	free afternoon

# TENTATIVE PROGRAMME

Day 6 - August 25 <sup>th</sup> 2012	
9:00 – 10:00	<i>Pharmacogenomics of immunosuppressants</i> – Ron van Schaik, NL
10:00 – 11:00	<i>Pharmacogenomics in arthritis</i> – Vita Dolzan, SLO
11:00 – 12:00	<i>Nutrigenomics</i> – George Dedoussis, GR
12:00 – 13:00	Exam (for those getting ECTS)
12:00 – 14:00	Lunch
14:00 – 15:00	<i>Public health genomics issues in pharmacogenomics and theranostics</i> – Angela Brand, NL
15:00 – 16:00	<i>Pharmacoeconomics</i> – TBA
16:00 – 16:30	Coffee break
16:30 – 17:30	<i>Beyond genomics: the “-omics” revolution and personalized drug therapy</i> – Ingolf Cascorbi, D
17:30 – 18:30	<i>Systems biology in pharmacogenomics and theranostics</i> – Adriano Henney, UK
20:00	Dinner
Day 7 - August 26 <sup>th</sup> 2012	
Departures	

**Meet the professors’ session:** Students will have a unique opportunity to discuss their work with distinguished professors and scientists.

**Speed dating session:** Students will introduce themselves and their work to their peers on a one-to-one basis, facilitating interaction and exchange of ideas and experience, and creating an atmosphere of collegiality and friendship.

**ECTS credits:** The 1<sup>st</sup> ESPT Summer School on Pharmacogenomics and Theranostics has received official accreditation from the University of Ljubljana. The course is accredited with 5 ECTS credits.



## Registration and accommodation

	Early registration before June 30 <sup>th</sup> 2012		Registration after July 1st 2012	
	ESPT members	non members	ESPT members	non members
<b>with accommodation (double occupancy)</b>	380 EUR	440 EUR	–	–
<b>without accommodation</b>	300 EUR	360 EUR	380 EUR	450 EUR

### Registration costs include:

- Participation in all lectures held by eminent professors in the field of pharmacogenomics and theranostics,
- Book of abstracts of the lectures,
- One lunch and one coffee break per day,
- 6 nights' accommodation in double room in Student dormitory (arrival August 20<sup>th</sup>, departure August 26<sup>th</sup> 2012),
- Welcome drink on Tuesday, August 21<sup>st</sup> 2012,
- Farewell dinner on Saturday, August 25<sup>th</sup> 2012,
- Networking between teachers and students.

Accommodation (6 nights) at the Student dormitories situated within walking distance (15 min) from the Summer School Venue at the Faculty of Pharmacy is included in the registration fees. The accommodation is in twin rooms with shared bathrooms and kitchen. Students may be sharing a room either with another student of ESPT Summer School or a regular student of the University of Ljubljana. Single occupancy is possible at an extra cost (80 EUR). The number of rooms for single occupancy is limited. Booking of accommodation in dormitory is possible until June 30<sup>th</sup> 2012.

For those who do not wish to stay in the Student dormitories, we recommend the following hotels. All costs for accommodation in hotels have to be paid on-site, to the hotels directly.

Hotel	Rating	Single Room	Double Room
<b>Grand hotel Union</b> <a href="http://www.gh-union.si">www.gh-union.si</a>	★★★★	92 EUR*	111 EUR*
<b>City hotel Ljubljana</b> <a href="http://www.cityhotel.si">www.cityhotel.si</a>	★★★	89 EUR*	102 EUR*
<b>Hotel "Pri Mraku"</b> <a href="http://www.daj-dam.si/ang/Mrak/mrakmain.htm">www.daj-dam.si/ang/Mrak/mrakmain.htm</a>	★★★	74,30* EUR	101 EUR*

\*Prices are in EUR per day and per room including breakfast.

### Cancellation and refunds

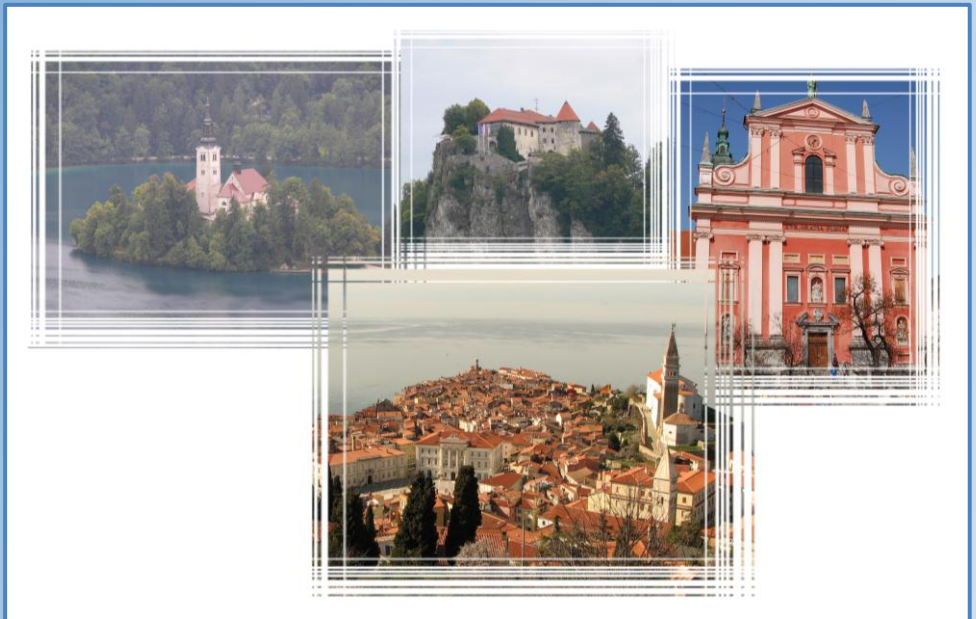
Personal registration cancellation is only possible in writing before July 30<sup>th</sup> 2012. In this case administrative costs of 50 € will be charged. After this deadline no refund is possible. For personal cancellation please contact Albatros Bled, [ksenija@albatros-bled.com](mailto:ksenija@albatros-bled.com).





## Slovenia

Slovenia, a member of the EU since 2004, lies in the region of Europe, where the Alps and the Mediterranean meet the Pannonian plains and the mysterious Karst. To the north is Austria; to the east, Hungary; to the south, Croatia; and to the west, Italy. As a beautiful and picturesque country, Slovenia makes a great tourist destination. It has mountains, lakes, waterfalls, forests, caves, hills, plains, rivers and the sea.

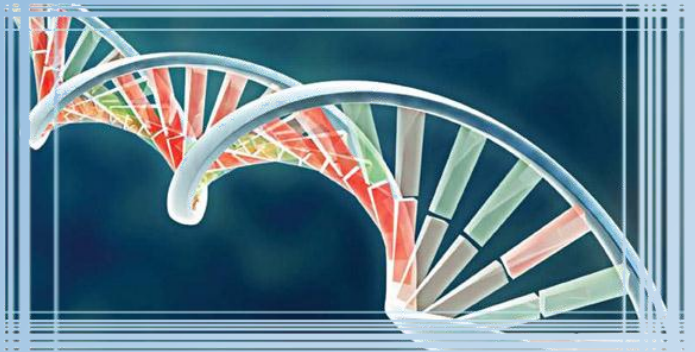


## Ljubljana

Ljubljana is the political and cultural heart of Slovenia. Situated on the river Ljubljanica that flows between the city centre and the castle hill above, it boasts a relaxing atmosphere and offers all the friendliness of a small town and at the same time everything that a modern European capital city is expected to offer. With rich historical heritage, it is particularly charming in summer when it's bustling with numerous cultural events. Positioned in the heart of the country, Ljubljana is an ideal base for exploring Slovenia: to the southeast is the Adriatic Sea, to the north, the Alps.

### **Organizing committee:**

- Janja Marc, Slovenia, Co-Chair
- Vangelis Manolopoulos, Greece, Co-Chair
- David Gurwitz, Israel
- Adriano Henney, United Kingdom
- Irena Prodan Zitnik, Slovenia
- Gerard Siest, France
- Janja Zupan, Slovenia



### **Contact information:**

- [schools@esptnet.eu](mailto:schools@esptnet.eu)
- <http://schools.esptnet.eu>

### **Registration, transfer and accommodation**

- Ksenija Blazic  
*Albatros Bled, Congress Agency and Congress Service*  
Ribenska 2, 4260 Bled, Slovenia  
Phone: +386 4 578 03 58, Fax: +386 4 578 03 55  
E-mail: [ksenija@albatros-bled.com](mailto:ksenija@albatros-bled.com)

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### Other sponsors



## Important dates

Summer school: August 21<sup>st</sup> – 26<sup>th</sup> 2012

Early registration: June 30<sup>th</sup> 2012

Booking of accommodation in dormitory: June 30<sup>th</sup> 2012

