



**Thursday, October 1st 2009**

|             |  |   |
|-------------|--|---|
| 7.30-9.15   | Registration   |   |
| 9.30-10.10  | Gregor Mohorčič, <i>director of the National Education Institute, Slovenia</i><br>Zoran Janković, <i>mayor of the City of Ljubljana</i><br>Andrew Page, <i>British ambassador</i><br>Danilo Türk, <i>president of the Republic of Slovenia</i> | Welcome address<br><br>Welcome speech<br>Welcome speech<br>Opening speech of the honorary patron of the conference  |
| 10.10-10.50 | Coffee break   |   |
|             | <b>I. Origin and evolution of life</b>   | <i>Chair: Alexis Zrimec</i>   |
| 10.50-11.35 | Iris Fry, <i>Technion – Israel Institute of Technology, Department of Humanities and Arts, Israel</i>  | The emergence of life on Earth: mystery or scientific problem?  |
| 11.35-12.20 | Eörs Szathmáry, <i>Department of Plant Taxonomy and Ecology, Eötvös Loránd University, Budapest, Hungary</i>   | The major transitions in evolution  |
| 12.20-12.45 | Gorazd Avguštin, <i>University of Ljubljana, Biotechnical Faculty, Zootechnical Department, Slovenia</i>   | Contemporary view of a tree of life: the microbiologist's tale  |
| 12.45-13.10 | Peter Trontelj, <i>University of Ljubljana, Biotechnical Faculty, Department of Biology, Slovenia</i>  | A systematic perspective on biodiversity  |
| 13.10-14.30 | Lunch break  |   |
| 14.30-15.15 | Eva Jablonka, <i>Tel Aviv University, Cohn Institute for the History and Philosophy of Science and Ideas, Israel</i>   | The gene in context: from developmental plasticity to plastic heredity  |
| 15.15-16.00 | Volker Storch, <i>University of Heidelberg, Department of Zoology, Germany</i>   | Cooperation – a successful principle in the living world  |
| 16.00-16.25 | Alojzija Ihan, <i>University of Ljubljana, Faculty of Medicine, Slovenia</i>   | Evolution of immune recognition   |
|             | <b>II. Evolution creates biodiversity</b>  | <i>Chair: Peter Trontelj</i>  |
| 16.25-16.50 | Boris Kryštufek, <i>University of Primorska, Institute for Biodiversity Studies, Slovenia</i>  | Species   |
| 16.50-17.30 | Coffee break   |   |
| 17.30-17.55 | Ivan Kos, <i>University of Ljubljana, Biotechnical Faculty, Department of Biology, Slovenia</i>  | Function of species in ecosystem function   |
| 17.55-18.30 | Jan Kuever, <i>Bremen Institute for Materials Testing, Germany</i>   | Evolution and how microbes see it   |
| 18.30-19.30 | <b>Round-table discussion</b><br><i>Chair: Alexis Zrimec</i>   | Jan Kuever, Eörs Szathmáry, Volker Storch, Peter Trontelj   |
| 19.30-21.00 | <b>Conference evening</b>  | Honorary speech: Jože Trontelj, <i>president of the Slovenian Academy of Sciences and Arts</i><br>Cultural programme:<br>Svetlana Makarovič: Do kosovirs exist?<br>Biological octet |



**Friday, October 2nd 2009**

**III. Biodiversity and sustainable development**

*Chair: Al Vrezec*

- 9.00-9.25 Jože Trontelj, *president of The Slovenian Academy of Sciences and Arts* On man-made biodiversity of the human species – ethical objections
- 9.25-10.10 Heikki Setälä, *University of Helsinki, Faculty of Biosciences, Finland* Urban ecology - why is it an increasingly important topic?
- 10.10-10.35 Jože Mencinger, *University of Ljubljana, Faculty of Law, Slovenia* Addiction with economic growth on the planet with limited natural resources
- 10.35-11.15 *Coffee break*

**IV. Biological knowledge for the 21st century**

*Chair: Gregor Zupančič*

- 11.15-11.50 Peter D.A. Boyd, *Shrewsbury Museums, Shropshire Museum Service, United Kingdom* The Young Charles Darwin - student, naturalist and gardener
- 11.50-12.15 Igor Jerman, *Bion Institute, Slovenia* Development of biological thought
- 12.15-12.40 Jože Vogrinc, *University of Ljubljana, Faculty of Art, Slovenia* The evolution of culture in natural and social sciences: is it the same thing, and what if it isn't?
- 12.40-14.00 *Lunch break*
- 14.00-14.25 Igor Lukšič, *minister of education and sport of the Republic of Slovenia* Political decisions and changing values to support sustainable development
- 14.25-15.10 Derek Bell, *Wellcome Trust, United Kingdom* Biological education for the 21st century: educating the next generation for tomorrow's society
- 15.10-15.35 Barbara Vilhar, *University of Ljubljana, Biotechnical Faculty, Department of Biology, Slovenia* Evolution as the central concept in biology education
- 15.35-16.15 *Coffee break*
- 16.15-16.40 Al Vrezec, *National Institute of Biology, Slovenia* Coevolution – interspecific interactions as a driving force of natural assemblages evolution
- 16.40-17.40 **Round-table discussion**  
*Chair: Alexis Zrimec* Derek Bell, Jože Mencinger, Jože Vogrinc, Al Vrezec
- 17.40-17.50 Gregor Mohorčič, *director of the National Education Institute, Slovenia* Closing of the conference