

2nd Eurosummer School on Biorheology & Symposium on Micro Mechanobiology of Cells, Tissues and Systems



VARNA, BULGARIA
SEPTEMBER 17–20, 2006



The 2nd Eurosummer School on Biorheology & Symposium on Micro Mechanobiology of Cells, Tissues and Systems was held in the International Home of Scientists “F. Joliot-Curie” at the St. Constantine and Elena Resort near Varna from 17 to 20 September 2006 (<http://www.biorheo2006.tobulgaria.info>). The meeting was organized by the Bulgarian Society of Biorheology in cooperation with the European Society for Clinical Hemorheology and with the assistance of the Institute of Mechanics and Biomechanics, Bulgarian Academy of Sciences and the National Fund for Scientific investigations to the Ministry of Education and Science of Bulgaria. The 2nd Eurosummer School on Biorheology & Symposium on Micro Mechanobiology of Cells, Tissues and Systems was the last of a consecution of meetings on biorheology, organized by the Bulgarian Society of Biorheology: the first one was held in Sofia in 2000 – the International Conference and School on Biorheology; the second one – the Eurosummer School on Biorheology was in Varna in June 28 – 30, 2003 and this was also a satellite meeting to the 12th European Conference on Clinical Hemorheology, 22 – 26 June 2003.

The Scientific program of the 2nd Eurosummer School on Biorheology & Symposium on Micro Mechanobiology of Cells, Tissues and Systems included lectures, oral communications and posters, dedicated to the new approaches and novel techniques for quantification of microrheological phenomena, cell interaction and adhesion, RBC aggregation and adhesion, hemorheological disturbances in vascular diseases and in other different pathologies,

microrheological effectiveness of various drugs. Lectures, dedicated to the influence of local haemodynamics and blood rheology on the recruitment of leukocytes to the wall of blood vessels and on the ability to recruit flowing neutrophils; on the use of polymer gels for biomedical applications, comparative mammalian haemorheology, effect of red blood cell aggregation on blood flow *in vivo* and review of currently available methods to measure hemorheological parameters have been delivered by the distinguished scientists in the field as Gerard B. Nash from the Medical School to the University of Birmingham in UK, Ya. Ivanov from the Institute of Mechanics and Biomechanics to the Bulgarian Academy of Sciences in Sofia, Bulgaria, Mike W. Rampling from the Imperial College School of Medicine, South Kensington, London, UK and Oguz K. Baskurt, from the Akdeniz University Faculty of Medicine in Antalya, Turkey.

Other well-known researchers in the field of biorheology as Alexander Pribush from Israel, Max Hardeman from Netherlands, E. Tzvetkova from the Institute of Morphology to BAS and I. Velcheva from the Medical University in Sofia presented their actual scientific results. The scientific program included also and Young scientists' competition for the best scientific work. Students, Ph.D. students and young researchers from Belarus, Bulgaria, Nigeria, Ukraine and Russia submitted in advance their works. Darya A. Milutyna from the International Sakharov Environmental University, Minsk, Belarus, E.S. Drozd from the Belarusian State University in Minsk, Belarus, A.V. Kursakou from the Research practi-

Conference Report III

Figure 1 (left): Ya. Ivanov and N. Antonova at the opening ceremony of the 2nd Eurosummer School on Biorheology & Symposium on Micromechanobiology of Cells, Tissues and Systems on September 17, 2006 in the International Home of Scientists “F. Joliot-Curie” at the St. Constantine and Elena Resort near Varna, Bulgaria.

Figure 2 (middle): Gerard Nash from the Medical School to the University of Birmingham in UK delivered lectures on the influence of local haemodynamics and blood rheology on the recruitment of leukocytes to the wall of blood vessels.

Figure 3: E.S. Drozd, a student from the Belarusian State University in Minsk, Belarus was awarded by a diploma for best young scientific work by E. Manoach (Director of the Institute of Mechanics and Biomechanics) and N. Antonova (President of the Bulgarian Society of Biorheology).



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cal Centre "Cardiology" in Minsk, Belarus and to I. Ivanov from the Institute of Mechanics and Biomechanics, Bulgarian Academy of Sciences in Sofia, Bulgaria have been awarded.

A Round table discussion, dedicated to the possibilities for cooperation in the field of biorheology was organized. The discussion for searching different ways for integration and cooperation amongst the participants in the field of biorheology, especially by the forthcoming 7th Framework Programme of the European Commission was opened.

Participants from ten countries – Belarus, Bulgaria, Greece, Holland, Israel, South Korea, Poland, Russia, Turkey and United Kingdom delivered their presentations in the atmosphere of good scientific discussion. They found the meeting convincing and rewarding and our sea capital Varna provided excellent conditions for an extensive exchange of views and personal contacts. An excursion to Varna and a visit of the Exhibition of the Thracian Treasures in the Archaeological Museum in Varna were organized for them.

The organizers would like to thank to Prof. S. Forconi, editor in chief of Journal of Clinical Hemorheology and Microcirculation, Prof. F. Jung from Germany, president of the European Society of Clinical Hemorheology, Prof. H. Goldsmith from Canada, editor of Journal of Biorheology, Dr. E. Roitman from Moscow, editor of the Russian Journal of Thrombosis, Homeostasis and Hemorheology, Prof. Y. Nyashin from Perm in Russia, editor of Russian Journal of Biomechanics as well as to all the members of the International Advisory Committee and other organizations who have helped in organizing the meeting.

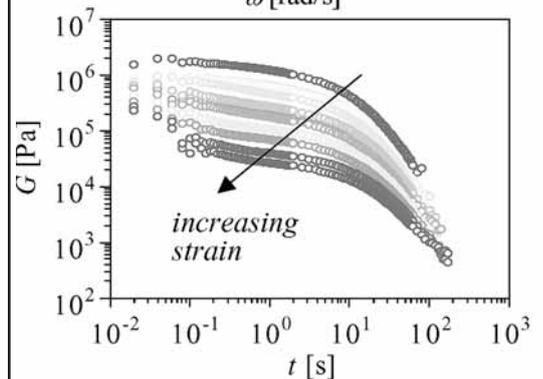
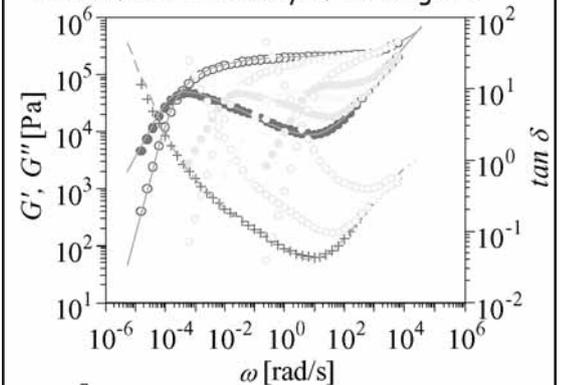
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