**Invited Speakers\*)**

**1st Russian-German Conference on *MultiScale BioMathematics:Coherent Modeling of Human***

***Body System***

**B. Chetveryshkin** Institute of Applied Mathematics of RAS, Russia, confirmed

**Yu. Vassilevski** Institute of Computational Mathematics of RAS, Russia, *confirmation pending*

**G. Bocharov** Institute of Computational Mathematics of RAS, Russia, *confirmation pending*

**V. Lakhno** Institute of Mathematical Problems in Biology of RAS, Russia, confirmed

**V. Volpert** Institut Camille Jordan CNRS, Université Lyon 1, France, confirmed

**H.F. Chen** Academy of Mathematics and Systems Sciences of CAS, China, confirmed

**W. Jäger** IWR Interdisciplinary Center for Scientific Computing, Heidelberg, *confirmation pending*

**Invited Speakers\*)**

**1st Russian-German Young Talent Workshop: *Mathematical Bio-systems Modeling* Medical Topics for Mathematicians**

Vascular System: N. N.

Immunology: N. N.

Mathematics for population health: **A. Michalskij**, Trapeznikow Institute of Control Sciences of RAS, confirmed

**Presentations by Young Scientists**

**Y. Fan** IWR Interdisciplinary Center for Scientific Computing, Heidelberg University, unconfirmed

**T. Dobroserdova** Institute of Computational Mathematics of RAS, Russia, confirmed

\*) current of 01 Sep 2016

**Preview (subject to change)**

**1st Russian-German Conference on *Multi-Scale BioMathematics:Coherent Modeling of Human Body System***

***Monday, 07 November 2016***

**Registration for participants of only this Conference w/o YTWshp will start after lunch time.**

The session on *Mathematical Topics in Complex Systems Modeling* is planned for the afternoon.

A Get-together is planned for 6.30 to 8.30 p.m.

***Tuesday, 08 November 2016***

Sessions dedicated to biomathematical modeling of (aspects of) the cardiovascular system, the

immune system and other parts of the human

body system.

A Social Dinner for interaction is planned for 6.30 to 8.30 p.m.

***Wednesday, 09 November 2016***

Experts’ sessions / discussions will be continued as required and as appropriate to leave room for the special session reserved for presentations by young scientists of the YT Workshop

**Invitation**

Original contributions to “topics in focus” are welcome; for bridging between scales, other parts of the body system may be addressed, as well.

The level should be exacting with a good exposition of biological context.

One-page abstracts (12-pt Times Roman, single) of submissions will be reviewed for suitability by 13 Oct 2016 when received **before 30 Sep 2016**.

Send English-language submissions for evaluation to Sergey Mukhin <vmmus@cs.msu.su> or Jochen Mau ismmau@hhu.de

**Registration for**

**1st Russian German Conference on *MultiScale***

***BioMathematics - Coherent Modeling of Human***

***Body System***

**14:00 07 Nov - 12:45 09 Nov 2016** □ **yes**

**1st Russian-German Young Talent Workshop /**

молодёжная школа **/ Nachwuchsschule on**

***Mathematical Bio-systems Modeling***

**10:00 07 Nov - 17:30 09 Nov 2016** □ **yes**

**NO FEE** ⇒ **PARTICIPATION IS LIMITED!**

**Meals and accommodation self-payable!**

Title\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Family

Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Given

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Institution\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

City\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Postal

Address\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Phone / Fax \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

E-Mail\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Signature:**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**I need accommodation** ▢ **no** ▢ **yes:**

▢ **06-07 Nov 2016 |** ▢ **single** ▢ **double**

▢ **07-08 Nov 2016 |** ▢ **single** ▢ **double**

▢ **08-09 Nov 2016 |** ▢ **single** ▢ **double**

**I also wish to take part at**

▢ **Get-together 07 Nov 19:00-20:20**

▢ **Social Dinner 08 Nov 18:30-20:30**

**E-Mail to: J.MAU<biokyb@t-online.de>**

**NO LATER than 16 October 2016**

**Scope**

**Biokybernetik** (engl. **bio-automation**) combines bio-systems modeling, molecular bio-data methodologies and clinical characterizations for a holistic understanding of human body's functional and a person's operational management and control systems from an engineering perspective.

**1st Russian-German Conference on *MultiScale BioMathematics - Coherent Modeling of Human***

***Body System*** aims to address • mathematical topics in complex systems models,

• modeling the human cardiovascular system,

• modeling the human body immune system,

• other topics in bio-systems modeling

**1st Russian-German Young Talent Workshop /**молодёжная школа **/ Nachwuchsschule on *Mathematical Bio-systems Modeling*** aims to foster the next generation of scientists in mathematical bio-systems modeling for Russian-German collaborative research programs. It includes an introduction to the medical topics of the core conference “*MultiScale BioMathematics -Coherent Modeling of Human Body System”*, attendance of the core conference, and separate sessions for presentations by young scientists on mathematical bio-systems modeling.

**Venue**

Moscow State Univ., 2nd Educat’l Bldg, CMC Fac., Leninskie Gory, GSP-1, 119991 Moscow, Russia.

РФ119991 Москва, ГСП-1, Ленинские горы, МГУ, 2-й учебный корпус, ф-т ВМК

**Organizers**

Jochen Mau (University of Düsseldorf)

Sergey I. Mukhin (MSU Lomonosov)

The Organizers are grateful to **Willi Jäger** (IWR

Heidelberg) for his guidance and suggestions.

**Local Organizer: Sergey I. Mukhin**