



RUDN  
university



UNIVERSITÄT  
HEIDELBERG  
ZUKUNFT  
SEIT 1386



ESMTB

European Society for Mathematical  
and Theoretical Biology

## Mathematical Modelling in Biomedicine

September 30 – October 4, 2019 Moscow, Russia

### Second Announcement

#### Organizers

RUDN University, Russia

Marchuk Institute of Numerical Mathematics RAS, Russia

University of Heidelberg, Germany

University of Lyon, France

#### Sponsors

RUDN University Program 5-100

Interdisciplinary Scientific Center J.-V. Poncelet (ISCP)

European Society for Mathematical and Theoretical Biology (ESMTB)

#### Participants

About 100 participants from 15 countries

#### Contacts

Scientific topics: [volpert@math.univ-lyon1.fr](mailto:volpert@math.univ-lyon1.fr)

Technical topics: [mathmedicin@gmail.com](mailto:mathmedicin@gmail.com)

Web site: <http://eng.rudn.ru/science/conferences/9370>

#### Sections

- Cardiac modelling
- Biomolecular modelling
- Epidemiology
- Biological fluids
- Physiology and modelling
- Cancer
- Immunology
- Mathematical methods and analysis

#### Scientific Committee

F. Ataullakhanov (Moscow), G. Bocharov (Co-chairman, Moscow),  
W. Jaeger (Heidelberg), Ph. Maini (Oxford), R. Merks (Leiden),  
A. Panfilov (Vice-chairman, Ghent), V. Volpert (Co-chairman, Lyon)

#### International Organizing Committee

V. Filippov (Chairman, Moscow), A. Marciniak-Czochra (Heidelberg),  
G. Riznichenko (Moscow), A. Skubachevskii (Vice-chairman, Moscow),  
Yu. Vassilevski (Moscow), V. Volpert (Lyon)

#### Local Organizing Committee

E. Bakhtigareeva, A. Belyaev, I. Kutsenko, C. Leon, V. Popov, N. Sadekov,  
F. Syomin, A. Tokarev, D. Grebennikov, M. Kuznetsov, R. Savinkov

#### Confirmed Plenary Lectures

F. Ataullakhanov, Russia – Mathematical problems of blood coagulation

G. Bocharov, Russia – Mathematical modelling in immunology

C. Dumontet, France – Immunotherapy: a paradigm-changing evolution in cancer therapy

A. Panfilov, Belgium – Non-linear waves and cardiac arrhythmias

M. Adimy, France – Mathematical modelling of hematopoiesis

W. Wieland, Germany – Stem cell-enriched lipoaspirate in regenerative medicine

Yu. Vassilevski, Russia – 3D hemodynamics in time-dependent domains: are fluid-structure interaction simulations inevitable?

F. Dell'Isola, Italy – On mechanically driven biological stimulus for bone remodeling as a diffusive phenomenon

Ph. Maini, UK – Modelling collective cell migration in biology and medicine

W. Jaeger, Germany – Mathematical modelling and simulation for improved diagnosis and therapy of sepsis

**Dates:** 30.09 – 4.10.2019

**Registration:** 30.09 8:30 – 10:00

**Official Language:** English

### Arrivals

In order to be met in the airport and get help with taxi, please inform the Organizing Committee about your Flight Number, Date, Time, and Airport of arrival & departure (ASAP).

### Place

Moscow, 6 Miklukho-Maklaya Street, RUDN University, Main Building

- Plenary lectures: **Conference Hall** of the Faculty of Economics
- Parallel sessions: **Hall №2** and **Room 103**

### Routes to the RUDN University

- via **Yugo-Zapadnaya** metro station, exit 1: bus 196, 196K, 226, 250, 261, 330, 404, 699, or 752
  - via **Belyaev** metro station, exit 6: bus 145K, 261, 330, 404, 752, or 816
- Bus stop “**Ulitsa Miklukho-Maklaya – Universitet Druzhby Narodov**”  
 (“Miklukho-Maklaya Street – Peoples' Friendship University”)

### Hotels

- **Astrus Moscow City Hotel:** Moscow, 146 Leninsky Prospekt (Avenue), Yugo-Zapadnaya metro station. **Reception: +7 (495) 641-10-00**
- **Akademicheskaya Hotel:** Moscow, 1 Donskaya Street, Oktyabrskaya metro station. **Reception: +7 (495) 983-01-00**

### Food Service

There are lots of bars and cafes near the RUDN University. A dinner costs about ₺500, payment by card is accepted almost everywhere.

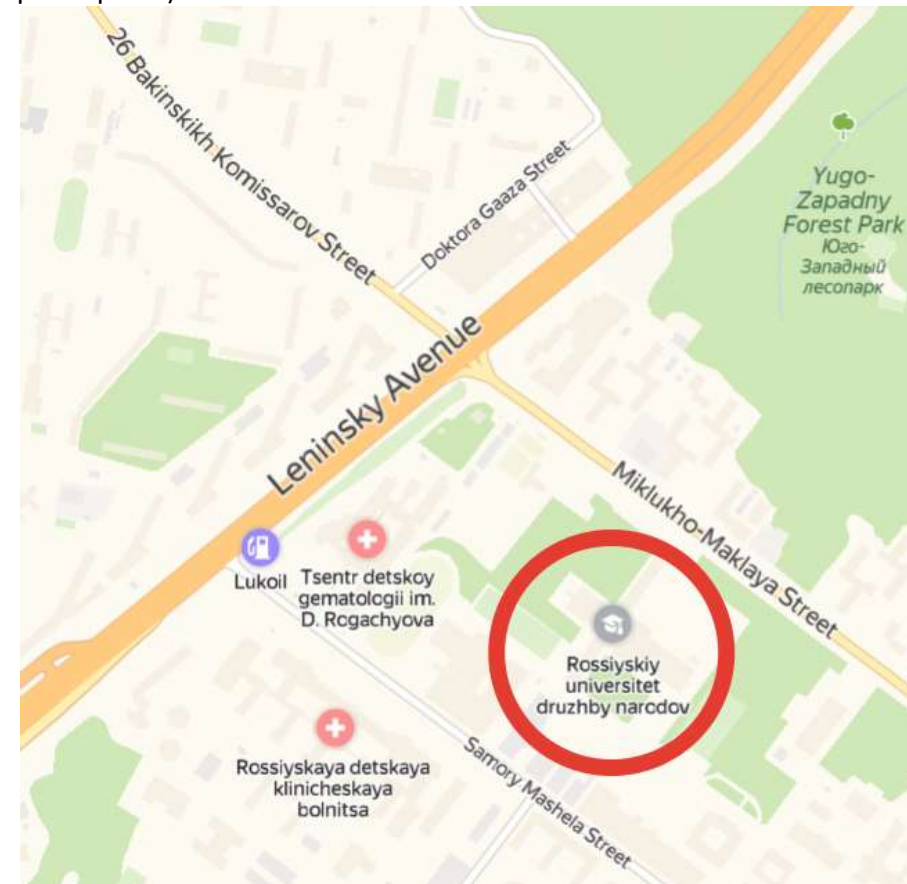
**Excursion:** A visit to the RUDN Medical Faculty is planned.

**Registration Fees:** € 100 (= ₺ 7350)

**Discounts:** € 50 discount for ESMTB members (<https://esmtb.org>)

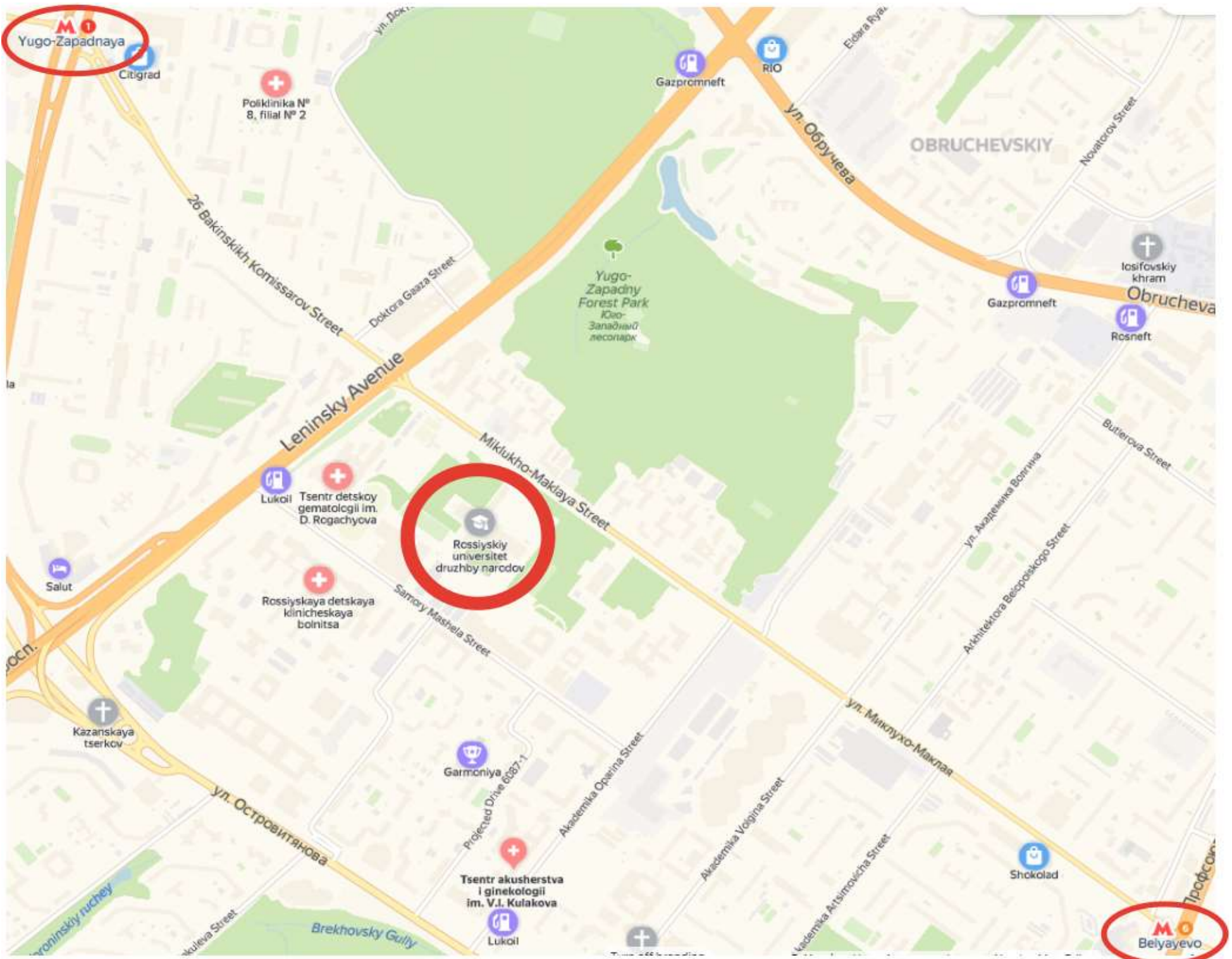
- please inform the Organizing Committee about your membership

**Conference proceedings:** ITM Web of Conferences (<https://www.itm-conferences.org>), € 30/paper (paid by the organizers, free for the participants)



**Contact phone numbers**

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Юго-  
Западный  
лесопарк

**MO**  
Rossiyskiy  
universitet  
družby narodov

Tsentr detskoj  
gematologii im.  
D. Rogachyova

Rossiyskaya detskaya  
klinicheskaya  
bolnitsa

Garmoniya

Tsentr akusherstva  
i ginekologii  
im. V.I. Kulakova

OBRUCHEVSKIY

Iosifovskiy  
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