



# BRICS Workshop on Biophotonics II – 2023

Post-deadline session  
September 27-28, 2023, SARATOV, RUSSIA

## Organized by

- ✓ Saratov State University (SSU)
- ✓ Science Medical Center, SSU
- ✓ International Research-Educational Center of Optical Technologies for Industry and Medicine “Photonics”, SSU
- ✓ Department of Physical Sciences of the Russian Academy of Sciences
- ✓ Russian Society for Photobiology
- ✓ Skolkovo Institute of Science & Technology, Skolkovo Innovation Centre, Moscow, Russia
- ✓ Hainan University, China
- ✓ Huazhong University of Science and Technology (HUST), China
- ✓ Biomedical Photonics Committee of Chinese Optical Society
- ✓ National Institute of Science and Technology of Optics and Photonics (INOF), University of São Paulo, Brazil
- ✓ Centre of Excellence for Biophotonics, Department of Atomic and Molecular Physics, Manipal Academy of Higher Education, India
- ✓ University of Johannesburg, the Republic of South Africa (RSA)
- ✓ SPIE Student Chapter of SSU
- ✓ OSA Student Chapter of SSU

## Chairs:

Valery V. Tuchin, Saratov State University, Russia  
Qingming Luo, Hainan University, China  
Vanderlei Salvador Bagnato, University of São Paulo, Brazil  
Santhosh Chidangil, Manipal Academy of Higher Education, India  
Heidi Abrahamse, University of Johannesburg, RSA

## Secretaries:

Polina A. Dyachenko, SSU, Russia  
Dongyu Li, HUST, China  
Natalia M. Inada, University of São Paulo, Brazil  
Renu John, Indian Institute of Technology, Hyderabad, India  
Sathish Kumar, University of Johannesburg, RSA

<https://www.sgu.ru/structure/physicsinstitut e/kafopt/brics-workshop-biophotonics-ii>



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## Organizing/Program Committee:

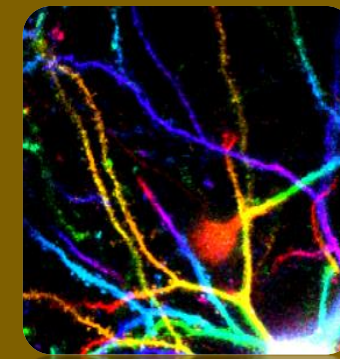
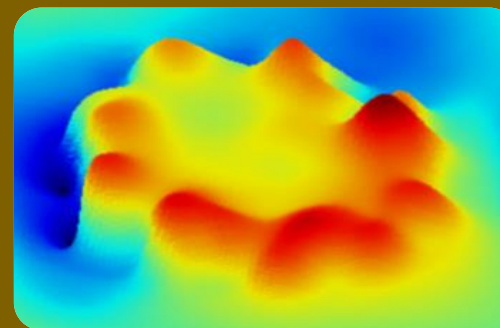
**Co-chairs:** Elina A. Genina (SSU, Russia), Dan Zhu (HUST, China), Cristina Kurachi (Univ. of São Paulo, Brazil), Nirmalya Gosh (Indian Inst. of Sci., Edu. and Research, Kolkata, India), and Michael Hamblin (Univ. of Johannesburg, RSA)

**Members:** Vadim D. Genin, Isabella A. Serebryakova, Michael M. Slepchenkov, Daria K. Tuchina (SSU, Russia); Dmitry A. Gorin (Skoltech, Russia); Qian Liu (Hainan University, China), Qingyu Lin (Sichuan University, China); Sebastião Pratavieira, Fernanda Alves, Lilian Moriyama (University of São Paulo, Brazil); Nirmal Mazunder, Jijo Lukose (MAHE, Manipal, India)

**BRICS Workshop on Biophotonics II** has been held online, on 16-18, May 2023, and was intended to bring together young scientists, engineers and clinical researchers from the BRICS countries and countries candidates working in various fields of science involved in the application of optics, photonics and imaging technologies to solve urgent problems of biology and medicine. The scope of the Forum ranges from basic research to instrumentation, preclinical and clinical research, mainly in those areas where researchers from the BRICS countries are world leaders. The topics are extensive and will cover, but are not limited to the following:

- ✓ Optical Interactions in Tissue and Cells
- ✓ Biomedical Spectroscopy, Microscopy and Imaging
- ✓ Advanced Optical Techniques for Clinical Medicine
- ✓ Multimodal Biomedical Imaging
- ✓ Nanobiophotonics
- ✓ Photonic Therapeutics, Diagnostics and Instrumentations
- ✓ Tissue Optical Clearing and Drug Delivery
- ✓ Antimicrobial and Antiviral Phototherapies

**This session is a post-deadline session for those participants who did not have the opportunity to make their presentations during the main session on May 16-18, 2023**



Official language of the meeting is English

<https://www.sgu.ru/structure/physicsinstitute/kafopt/brics-workshop-biophotonics-ii>



# BRICS Workshop on Biophotonics II – 2023

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Conference papers will be published as:

- ✓ Proceedings of BRICS Workshop on Biophotonics II
- ✓ Journal of Biomedical Photonics & Engineering
- ✓ Journal of Biomedical Optics
- ✓ MDPI Materials

All papers will be subject to the normal peer review process for the journals.

For Proceedings of BRICS Workshop on Biophotonics II, manuscripts should be submitted not later than October 30 , 2023

For Journal of Biomedical Photonics & Engineering, manuscripts should be submitted not later than October 30, 2023

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For Journal of Biomedical Optics, the deadline for submission will be decided during meeting

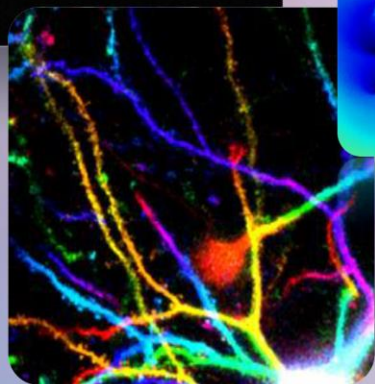
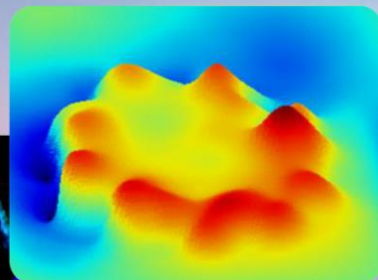
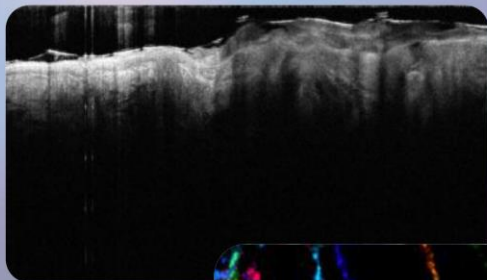
All participants are invited to submit papers to the following special issues of MDPI Journals

[https://www.mdpi.com/journal/materials/special\\_issues/Feature\\_Paper\\_Optics\\_Photonics](https://www.mdpi.com/journal/materials/special_issues/Feature_Paper_Optics_Photonics)

[https://www.mdpi.com/journal/materials/special\\_issues/advanced\\_biophotonics\\_applications](https://www.mdpi.com/journal/materials/special_issues/advanced_biophotonics_applications)

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# BRICS Workshop on Biophotonics-2021



SEPTEMBER 27 – 29, 2021

UNIVERSITY OF SÃO PAULO, BRAZIL

SARATOV STATE UNIVERSITY, SARATOV, RUSSIA

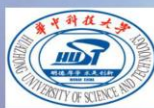
MANIPAL ACADEMY OF HIGHER EDUCATION, INDIA

HAINAN UNIVERSITY, CHINA

UNIVERSITY OF JOHANNESBURG, RSA



BRICS workshop'21



Saratov State University (National Research University of Russia)

## BRICS Workshop on Biophotonics - 2021 Book of Abstracts

Edited by Polina A. Dyachenko, Qingming Luo,  
Vanderlei Salvador Bagnato, Santhosh Chidangil,  
Heidi Abrahamse and Valery V. Tuchin

SEPTEMBER 27 – 29, 2021

SARATOV

