

8th International Conference "Modern biotechnology for science and practice", dedicated to  
DNA Day 2021, April 22-23, St. Petersburg.

*Russian-Japanese satellite «on-line» symposium*  
*"Genetic aspects of glial cerebral tumors"*

金沢大学は文部科学省事業『大学の世界展開力強化事業・ロシア』に基づきロシアの複数大学との交流を推進しています。この度、その一環として、2021年4月22～23日にサンクトペテルブルグ医科大学において開催されたDNA Day 2021においてサンクトペテルブルグ医科大学と金沢大学がん進展制御研究所が共催するサテライトシンポジウムをオンラインで開催しました。今回は、がん細胞における好氣的解糖系亢進（ワールブルク効果）の発見で有名なオットー・ワールブルク博士がノーベル賞を受賞して80年が経つのを記念し、脳腫瘍の遺伝学的、代謝的特性をテーマにしました。当研究所の高橋智聡教授と先方のMikhail Zaraiskii教授が座長を務め、ロシア側から2名、日本側から2名が登壇し当該領域の最先端の知見を報告、熱心なディスカッションがなされました。聴衆はロシア側25名、日本側8名ほどでありました。サンクトペテルブルグ医科大学とは数年に亘る活発な研究・教育交流があり、今年度は脳神経外科に留学生1名も来られます。犬の条件反射で有名なパブロフ博士がおられた大学でもあり、別名をパブロフ大学とも呼びます。今後も両校の関係が発展することを願います。（文責 高橋）



ワールブルク博士



オンラインシンポジウムの様子



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April 23, 2021.

*Dear Colleagues and Friends!*

*On behalf of the working committee, we invite you and your colleagues to participate in the symposium. We hope that this meeting will be fruitful and interesting for a wide range of biologists and clinicians.*

**ARRANGED BY:**

- Pavlov First Saint Petersburg State Medical University, Russia
- **Cancer Research Institute**, Kanazawa University, Japan
- **School of Medicine**, Keio University, Japan
- Institute of the Human Brain named N.P. Bekhtereva of the Russian Academy of Sciences, Russia
- North-Western State Medical University named I.I. Mechnikov ", Russia
- Association of specialists in the field of molecular medicine and laboratory genetics named after E.I. Schwartz
- Academy of Molecular Medicine.

**WORKING COMMITTEE:**

BAGNENKO S., Saint Petersburg, Russia  
TAKAHASHI Ch., Kanazawa, Japan  
SAMPETREAN O., **Tokyo**, Japan.

KINOSHITA M., Kanazawa, Japan.  
ZARAIKII M., Saint Petersburg, Russia  
SELIVERSTOV R., Saint Petersburg, Russia

**WORKING LANGUAGES:** English

**NOTE:**

- We invite all participants to publish abstracts of their scientific works in the symposium proceedings. To do this, they can be sent to the mail of the organizing committee.
- Please, if possible, send this information letter to all interested colleagues.
- The link for participation in the symposium will be published on the website later.
- For any questions, please contact the organizing committee. Contact person: Zaraiskii Mikhail, mail: [dna\\_day\\_2021@mail.ru](mailto:dna_day_2021@mail.ru) .

## Programm:

### 1. 10.00-10.30 (Moscow)



***The Warburg effect and metabolic plasticity in brain tumor stem cells.***

**Oltea SAMPETREAN, M.D., Ph.D.**

Division of Gene Regulation, Institute for Advanced Medical Research

School of Medicine, Keio University, Japan.

### 2. 10.30-11.00 (Moscow)



***Genetic mechanisms of metabolic pathway reprogramming in gliomas.***

**Mikhail ZARAISKII, M.D., Ph.D.**

Department clinical laboratory diagnostics with the course of molecular medicine, FSPbSMU named I.P. Pavlov, Russia.

### 3. 11.00-11.30 (Moscow)



***Awake surgery for gliomas with preservation of higher brain functions: challenge and contributions***

**Masashi KINOSHITA**

Department of Neurosurgery, Kanazawa University, Japan.

### 4. 11.30-12.00 (Moscow)



***Modern clinical and laboratory criteria for the diagnosis and prognosis of the course of cerebral glial tumors***

**Roman SELIVERSTOV, Ph.D.**

Neurosurgeon clinic, laboratory of neurorehabilitation, Institute of the Human Brain named N.P. Bekhtereva of the Russian Academy of Sciences; Department of Neurosurgery named prof. A.L. Polenova, North-Western State Medical University named I.I. Mechnikov ", Russia.