

# OLGA KULDAVLETOVA

· PhD in Physiology and Biology of Organisms ·

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FEVRIER 2020 – AOUT 2021

**ATER**, UFR STAPS

(NORMANDY UNIVERSITY OF CAEN, FRANCE)

Courses for students at UFR STAPS and UFR PBOP

Research activity at the Laboratory COMETE:

**OrthoCer** project

Co-direction of Master 2 student

FEVRIER 2016 – FEVRIER 2020

**PHD FELLOW**, LABORATORY COMETE

(NORMANDY UNIVERSITY OF CAEN, FRANCE)

Functional multisensory integration and plasticity of vestibular reflexes.



## EDUCATION

2015

**TRAINEE**, HUMAN AND ANIMAL PHYSIOLOGY LABORATORY, PETRSU

A traineeship in research in human physiology and neuroscience

2013 - 2015

**MASTER'S DEGREE IN COMPUTER SCIENCE**, DEPARTMENT OF INFORMATION MEASURING SYSTEMS AND PHYSICAL ELECTRONICS

Grant: Project on science popularization was granted from the Foundation for Assistance to Small Innovative Enterprises in Science and Technology ("Bortnik foundation", Moscow)

Publications: KINECT TECHNOLOGY FOR EDUCATION AND DEVELOPING RESEARCH THINKING/ Kuldavletova O. E. / The reports of the winners of the 66th All-Russian Students and Young Scientists' Conference with International Participation – Petrozavodsk : PetrSU, 2014. – P. 302-3  
Museum of physical phenomena as a means of organizing independent work of students and schoolchildren / Ershova N., Kuldavletova O., Nazarov A., Shtykov A.; Science And School. – 2013. - #5. – p. 117-122.

2009 - 2013

**BACHELOR'S DEGREE IN TECHNIQUE AND TECHNOLOGY**, DEPARTMENT OF INFORMATION MEASURING SYSTEMS AND PHYSICAL ELECTRONICS

Bachelor's degree in technique and technology

The development of the Museum of Science and Science popularization programs

## PUBLICATIONS

- **O. Kuldavletova**, S. Marie, P. Denise, H. Normand, 2018. Influence of graviceptor stimulation initiated by off-vertical axis rotation on ventilation; *Experimental Physiology*. doi: 10.1113/EP087035
- **O. Kuldavletova**, P. Denise, G. Quarck, M. Toupet, H. Normand, 2019. Vestibulo-sympathetic reflex in patients with bilateral vestibular loss; *Journal of Applied Physiology*. doi: 10.1152/jappphysiol.00466.2019
- **O. Kuldavletova**, S. Tanguy, P. Denise, G. Quarck, 2020. Vestibulo-ocular responses, visual field dependence and motion sickness in aerobatic pilots; *Aerospace Medicine and Human Performance*. doi: 10.3357/AMHP.5435.2020.
- **O. Kuldavletova**, 2020. Functional multisensory integration and plasticity of vestibular reflexes. **THESIS**. Université de Caen.
- *2 other publications as first author in preparation.*

## SCIENCE COMMUNICATION

- Vestibulo-ocular responses, visual field dependence and motion sickness in aerobatic pilots. O. Kuldavletova\*, S. Tanguy, P. Denise, G. Quarck :  
**FENS, October 2017**, Pecs, Hungary;  
**JED 2018**, Rouen, France.
- Influence of graviceptor stimulation initiated by off-vertical axis rotation on ventilation. O. Kuldavletova, S. Marie, P. Denise, H. Normand :  
**JED 2019**, Caen, France.
- Vestibulo-sympathetic reflex in patients with bilateral vestibular loss. O. Kuldavletova, P. Denise, G. Quarck, M. Toupet, H. Normand :  
**SfN Neuroscience 2019, October 2019**, Chicago, Illinois, USA.

## TEACHING EXPERIENCE

- **UFR STAPS** (Physical and sports activity science and technique faculty)  
**2018-2019:** System physiology: Cardio-Vascular physiology, (1-year students), tutorial classes. 64 hours  
**2019-2020:** System physiology: Cardio-Vascular physiology, Respiratory physiology, (1-year students), tutorial classes. 80 hours  
Statistics 2 (2-year students in ergonomics), tutorial classes. 16 hours  
Neurosciences, tutorial classes. (1-year students). 10 hours  
Remediation course on Life Sciences (1-year students). 16 hours  
**2020-2021:** Methodology of research (3-year students), tutorial classes. 10 hours  
Statistics 1 (2-year students), tutorial classes. 45 hours  
Sensory physiology, perception and action, (3-year students), tutorial classes. 10 hours  
Cognitive psychology and ergonomics, (2-year students), tutorial classes. 8 hours  
Movement analysis, (1-year students), tutorial classes. 80 hours  
Statistics 2 (2-year students in ergonomics), tutorial classes. 16 hours  
Virtual Reality Technology, (3-year students), tutorial classes. 16 hours
- **UFR PBOP** (Physiology and Biology of Organisms)  
**2019-2020:** Neurosciences (Master of sciences), lecture. 4 hours  
**2020-2021:** Neurosciences (Master of sciences), lecture. 4 hours

- **Supervising**

2016: Master 1

2017: Master 1

2020: Master 2, co-direction

## SCIENTIFIC INTERESTS

- Vestibular system
- VOR tracking
- Multisensory integration
- Vestibular system and sports
- Aviation
- Internal model of gravity
- Motion sickness
- Vestibulo-sympathetic control
- Perception of movement
- Space flight

## PEER-REVIEWING

- Experimental Physiology, 2020

## LANGUAGES

- Russian (native)
- English (fluent)
- French (fluent)
- Japanese (beginner)



## ADDITIONAL SKILLS AND INTERESTS

- Art  
Printed graphics, etching techniques  
**2016 - present:** ESAM, printed graphics workshop, Caen  
**2020 - present:** Member of association "Labo Des Arts", Caen  
**Portfolio :** behance.net/oemilevna
- Graphic Design  
Illustration  
Science illustration
- Animation
- String music instruments
- Language and its cultural and biological bases and its connection to art and music