

# Curriculum Vitae

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<b>Born:</b>	10 Septmeber 1976, Vilnius, Lithuania
<b>1994</b>	Graduated from M.Daukšos secondary school in Vilnius
<b>1994-1998</b>	Bachelor studies at the Faculty of Physics, Vilnius University
<b>1998.01-1998.06</b>	Exchange stay at the Vrije Universiteit Amsterdam funded by EU TEMPUS programme.
<b>1998-2000</b>	Master studies at the Faculty of Physics, Vilnius University. Employed part time as an engineer at the Institute of Physics, Laboratory of Molecular Assemblies.
<b>2000 - 2005</b>	PhD studies at the Biophysics Group of Vrije Universiteit Amsterdam. 2002, 2003 – short visits to the group of prof.dr. Majed Chergui, Ecole Polytechnique de Lausanne, Lausanne Switzerland. On 01/02/2005 defended a PhD thesis ‘Biological Photoreactions Explored by Multi-Pulse Ultrafast Spectroscopy’ and earned a PhD degree. PhD advisor – prof. dr. Rienk van Grondelle.
<b>2005 - 2007</b>	Researcher at the Laser Research Centre, Faculty of Physics, Vilnius University. 2006 – mini post doc (three months) at UC Davis, USA.
<b>2007 – 2016</b>	Docent/Senior researcher at the Laser Research Centre, Faculty of Physics, Vilnius University.
<b>2016 - ...</b>	Professor/Chief researcher at the Laser Research Centre, Faculty of Physics, Vilnius University.

Languages: **Lithuanian (native), Russian (very good), English (very good), Dutch (good), French (basic) Latin (basic).**

Interests: **Literature, basketball, nature**

**Marital status:** married, wife Giedrė, two daughters, Saulė (born 2008) and Aistė (born 2010) and son Martynas (born 2015).

**Participation in EU funded projects:**

1. EU FP6 Laserlab-Europe – participant, support for transnational access.
2. EU FP7 Laserlab-Europe II – participant, support for transnational access.
3. EU FP7 Laserlab-Europe III – participant, support for transnational access.
4. EU Structural Funds projects at Vilnius University (more than 5 different projects) – participant (refurbishment of teaching labs and preparation of course materials).
5. EU FP7 Extreme Light Infrastructure - participant.

**Participation in Lithuanian research projects**

1. Participant of several research projects (ULTRAGREITI FOTOCHROMAI, MOLEKULINIAI PERJUNGIKLIAI, VP1-3.1-ŠMM-07-K-02-006) funded by Lithuanian Science Council.

**Project leadership:**

1. Solid-state Femtosecond Laser for Ophthalmic Surgery (STROFA) – funded by Lithuanian State Science and Studies Foundation, 2007-2009, leader of project activities at Vilnius University Faculty of Physics.
2. Lasers for Ophthalmic Surgery (collaboration with Light Conversion Ltd), funded by LR Ministry of Economy via Intelektas LT programme. 2009-2012, leader of project research activities.

## Publications

1. Barzda, V.; Vengris, M.; Calkoen, F.; van Grondelle, R.; van Amerongen, H. Reversible light-induced fluorescence quenching - an inherent property of LHCII. In *Photosynthesis: Mechanisms and Effects*; Garab, G., Ed.; Kluwer Academic Publishers: Dordrecht, 1998; pp 337.
2. Barzda, V.; Vengris, M.; Valkunas, L.; van Grondelle, R.; van Amerongen, H. Generation of fluorescence quenchers from the triplet states of chlorophylls in the major light-harvesting complex II from green plants. *Biochemistry* 2000, **39**, 10468. CA WOS accession No.: ISI:000089066600014
3. Kietis, P.; Vengris, M.; Valkunas, L. Electrical-to-mechanical coupling in purple membranes: Membrane as electrostrictive medium. *Biophysical Journal* 2001, **80**, 1631. CA WOS accession No.: ISI:000167797800002
4. Larsen, D. S.; Papagiannakis, E.; van Stokkum, I. H. M.; Vengris, M.; Kennis, J. T. M.; van Grondelle, R. Excited state dynamics of beta-carotene explored with dispersed multi-pulse transient absorption. *Chemical Physics Letters* 2003, **381**, 733. CA WOS accession No.: ISI:000186855500034
5. Larsen, D. S.; Vengris, M.; van Stokkum, I. H. M.; van der Horst, M. A.; Cordfunke, R. A.; Hellingwerf, K. J.; van Grondelle, R. Initial photo-induced dynamics of the photoactive yellow protein chromophore in solution. *Chemical Physics Letters* 2003, **369**, 563. CA WOS accession No.: ISI:000181079000008
6. Salverda, J. M.; Vengris, M.; Krueger, B. P.; Scholes, G. D.; Czamoleski, A. R.; Novoderezhkin, V.; van Amerongen, H.; van Grondelle, R. Energy transfer in light-harvesting complexes LHCII and CP29 of spinach studied with three pulse echo peak shift and transient grating. *Biophysical Journal* 2003, **84**, 450. CA WOS accession No.: ISI:000183067300039
7. Kennis, J. T. M.; Larsen, D. S.; van Stokkum, I. H. M.; Vengris, M.; van Thor, J. J.; van Grondelle, R. Uncovering the hidden ground state of green fluorescent protein. *Proceedings of the National Academy of Sciences of the United States of America* 2004, **101**, 17988. CA WOS accession No.: ISI:000226102700021
8. Larsen, D. S.; van Stokkum, I. H. M.; Vengris, M.; van der Horst, M. A.; de Weerd, F. L.; Hellingwerf, K. J.; van Grondelle, R. Incoherent manipulation of the photoactive yellow protein photocycle with dispersed pump-dump-probe spectroscopy. *Biophysical Journal* 2004, **87**, 1858. CA WOS accession No.: ISI:000223668500043
9. Larsen, D. S.; Vengris, M.; van Stokkum, I. H. M.; van der Horst, M. A.; de Weerd, F. L.; Hellingwerf, K. J.; van Grondelle, R. Photoisomerization and photoionization of the photoactive yellow protein chromophore in solution. *Biophysical Journal* 2004, **86**, 2538. CA WOS accession No.: ISI:000220567600056
10. Larsen, O. F. A.; Somsen, O. J. G.; van Stokkum, I. H. M.; de Weerd, F. L.; Vengris, M.; Aravindakumar, C. T.; van Grondelle, R.; Geacintov, N. E.; van Amerongen, H. Ultrafast spectroscopy on 2-aminopurine DNA oligonucleotides provides new insights into mechanism of fluorescence quenching. *Biophysical Journal* 2004, **86**, 312A. CA WOS accession No.: ISI:000187971201605
11. Larsen, O. F. A.; van Stokkum, I. H. M.; de Weerd, F. L.; Vengris, M.; Aravindakumar, C. T.; van Grondelle, R.; Geacintov, N. E.; van Amerongen, H. Ultrafast transient-absorption and steady-state fluorescence measurements on 2-aminopurine substituted dinucleotides and 2-aminopurine substituted DNA duplexes. *Physical Chemistry Chemical Physics* 2004, **6**, 154. CA WOS accession No.: ISI:000187438000024
12. Papagiannakis, E.; Larsen, D. S.; van Stokkum, I. H. M.; Vengris, M.; Hiller, R. G.; van Grondelle, R. Resolving the Excited State Equilibrium of Peridinin in Solution. *Biochemistry* 2004, **43**, 15303. CA WOS accession No.:

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19. Vengris, M.; Larsen, D. S.; van der Horst, M. A.; Larsen, O. F. A.; Hellingwerf, K. J.; van Grondelle, R. Ultrafast Dynamics of Isolated Model Photoactive Yellow Protein Chromophores: "Chemical Perturbation Theory" in the Laboratory. *Journal of Physical Chemistry B* 2005, **109**, 4197. CA WOS accession No.:
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- excited ground state species. *Chemical Physics Letters* 2010, **487**, 101. CA WOS accession No.: ISI:000274432400019
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  41. Morkunas, V.; Ruksenas, O.; Vengris, M.; Gabryte, E.; Danieliene, E.; Danielius, R. DNA Damage in Bone Marrow Cells Induced by Ultraviolet Femtosecond Laser Irradiation. *Photomedicine and Laser Surgery* 2011, **29**, 239. CA WOS accession No.: WOS:000289074200005
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### **Conference presentations**

- 1999 – European Science Foundation (ESF) Workshop ‘Interactions Between Chlorophylls and Carotenoids in Photosynthesis’, Antalia, Turkey.
- 2000 – IVth winterschool ‘Ultrafast Spectroscopy in Chemistry and Biology’, Borgafjäll, Sweden.
- 2001 - The 12th International Congress on Photosynthesis. Brisbane, Australia.
- 2002 – Laser Application in Life Sciences, Vilnius, Lithuania.
- 2003 – International workshop on photoreceptors, Universiteit van Amsterdam, Amsterdam, the Netherlands.
- 2004 - 14th International Conference on Ultrafast Phenomena, Niigata, Japan.
- 2005 - International Conference organized by the EU Excellence Centre for Photoactive Materials, Lesko, Poland
- 2007 - Lithuanian National Physics Conference
- 2008 – International school 'Methods in microscopy and image analysis', Vilnius, Lithuania
- 2009 – Lithuanian National Physics Conference
- 2009 – International conference „Northern Optics 2009“, Vilnius, Lithuania.
- 2009 – 2nd Congress of Baltic Association of Laser Medicine, Vilnius, Lithuania.
- 2010 – Laser Applications in Life Sciences 2010, Oulu, Finland

2011 - Electronic and Related Properties of Organic Systems, ERPOS-12, Vilnius, Lithuania

2011 - Lithuanian National Physics Conference

2013 - Processes in Isotopes and Molecules - 2013, Cluj-Napoca, Romania

2014 – 247<sup>th</sup> ACS Meeting, Dallas, USA.

2015 – LT $\Phi$  international physics conference, Vilnius, Lithuania.

2015 – Open Readings, Vilnius, Lithuania (Invited).

2016 – Nordic Femtochemistry, Orenas Castle, Sweden

2017 - Lithuanian National Physics Conference

2017 - Winter College on Optics (invited lecture), Trieste, Italy