

**PERSONAL DATA**

Birth day: 13.03.1980  
Nationality: Lithuanian

**CONTACT DATA**

Institute de la Vision, Centre Hospitalier National d'Ophtalmologie des Quinze-Vingts, INSERM, CIC 1243  
28, rue de Charenton, 75571 Paris Cedex 1, Paris, France  
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**EMPLOYMENT**

2012-Now Usher team research group leader and study ophthalmologist under Eur-USH project at INSERM, CIC 1423, Institute de la Vision, Paris, France  
2011-2012 Ophthalmologist and research group leader at Institute for ophthalmic research, Germany  
2009-2010 Post-doctoral research fellow at Centre for Integrative Neuroscience, Germany  
2004-2009 Health informatics and head of quality assurance department, Lithuania  
2005-2008 Ophthalmologist assistant at Kaunas Medicine University, Lithuania  
2004-2007 Lecturer at Vilnius Gediminas Technical University, Lithuania

**EDUCATION**

[1998-2005] Vilnius University (Lithuania): Doctor of Medicine (MD)  
[2005-2008] Kaunas University of Medicine (Lithuania): Ophthalmology board certificate (Ophthalmologist). *Ophthalmologist license (Fachärztin für Augenheilkunde) with medical diploma approval at Landesärztkammer Baden – Württemberg, Germany (Reutlingen 12.01.2011)*  
[2004-2008] Kaunas University of Technology (Lithuania): PhD Technology science, Electrical and electronics engineering (PhD thesis "Computer-based equipment and hybrid intraocular pressure control system"). *PhD Diploma approval at Ständigen Konferenz der Kultusminister, Germany (Bonn 23.02.2011)*

**LANGUAGES** (Marking system according 5 point system: 1- excellent, 5- basic)

Language	Reading	Speaking	Writing
French	1	2	2
English	1	1	1
German	1	2	2
Lithuanian	1	1	1
Russian	1	1	1
Spanish	3	5	5

**COMPUTER SKILLS/OTHER SKILLS**

- Customized software's development: novel multimodal multidimensional modes designed for imaging structure/function related lesions in retina; genotype-phenotype related databases
- Advanced skills working with statistical processing computational packages: SPSS 19.0, STATISTICA 6.0, STATGRAPHICS plus 6.0. Operating Systems: Windows 2000/XP; Packages: MS Office, CorelDRAW 9.0, autoCAD, 2000, Studio 7.0., MATLAB 6.5; Databases: MS Access; Networks: Email Server, Web Server
- Driving license (B category), 1999

**MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS**

- Student Scientific Fellowship of Medicine Faculty of Vilnius University [2000– 2005]
- Russian Association of Biological Reciprocal Relation [2001-Now]
- European Academy of Allergology and Clinical Immunology [2004 –Now]
- Association for Research in Vision and Ophthalmology [2007-Now]
- World's leading professional association of the advancement of technology (IEEE - Institute of Electrical and Electronics Engineers) [2009-Now]

**AWARDS/HONOURS**

- Student LV Scientific conference 1st place in Section of Allergy, Lithuania, 2002
- Student LV Scientific conference 1st place, Lithuania, 2003.
- Lithuanian Academy of Sciences student Award: research in biology, medicine and geology, Lithuania 2004
- Xth International Conference on Biomedical Engineering 1st place, Lithuania, 2006
- P.Avižonis fund scholarship, Lithuania, 2007
- The 6th International Glaucoma Symposium scholarship for young physicians, Greece, 2007
- Erasmus student exchange stipend, Spain, 2007
- SOE Educational Grant, Switzerland 2008
- IFOS/ICO Fellowship, USA, 2008
- Lithuanian Academy of Sciences young researcher Premium: in biology, medicine and geology, Lithuania, 2008
- CIN Grant, Germany 2009
- ARVO International Travel Grant, USA 2009
- ARVO 2010 Moderator: Functional and Structural Remodeling of the Injured Retina, USA, 2010
- Young researcher award (Lithuanian Academy of Sciences) at 60th Meeting of Nobel Laureates in Lindau, Germany, 2010
- EVER Alta Eficacia award, France 2014

**OTHER RESEARCH STUDIES/FELLOWSHIPS**

- Research fellow. Russian G.I. Turner scientific institute of pediatric and orthopedic. S. Petersburg, Russia, 1999 06 28 – 1999 07 10 (104 hours).
- Endoscope sonoscopy in diagnosis of gut and hepatopancreatic diseases. Vilnius, Lithuania, 2001 12 13 (8 hours).
- Carl-Thiem-Klinikum, Akademisches Lehrkrankenhaus der Charité. Cottbus, Germany, 2002 07 01 – 2002 08 01. (144 hours).
- Scientific-Practical Conference of Kaunas University of Medicine Eye diseases Clinics and Lithuanian Glaucoma society fellowship. Secondary glaucoma and other significant questions. Kaunas, Lithuania, 2003 05 17 (7 hours).
- Conference of Clinics of Kaunas University of Medicine and Lithuanian Eye Physician society. Druskininkai, Lithuania, 2003 09 19-2003 09 20 (15 hours).
- **Research fellow (*retinal cells regeneration*)**. Scientific-Practical Course of Technology of Alloplant in ophthalmic surgery. Russian centre of eye and plastic surgery. Ufa, Russia, 2005 September – 2005 October (80 hours).
- Scientific-Practical Conference of Kaunas University of Medicine family clinic, Pharmaceuticals technology and social pharmacy department and Lithuanian college of general practitioners fellowship. Today glance to the nature medicine. New investigations in Europe. Kaunas, Lithuania 2005 04 07 (8 hours).
- 1st EGS European Residents Glaucoma Course. European glaucoma society. Geneva, Switzerland, 2006 12 08 - 2006 12 09.
- Scientific-Practical Conference of Kaunas University of Medicine Eye diseases and Lithuanian Eye Physician society fellowship. Vision loss: from experimentally based medicine to psychological aspects. Vilnius, Lithuania, 2006 04 07 (6 hours).
- **Research fellow (*retinal cells regeneration*)**. Scientific-Practical Course of Technology of Alloplant in ophthalmic surgery. Russian centre of eye and plastic surgery. Ufa, Russia, 2006 September – 2006 October (60 hours).
- Red eye differential diagnosis and treatment. I part. Kaunas University of Medicine Eye clinics and Lithuanian Eye Physician society. Kaunas, Lithuania 2007 01 17 (3 hours).
- **Retina research fellow (*retinal vascular imaging*)**. Centre for Eye Research Australia, Retinal Vascular Imaging Centre. Melbourne, Australia, 2007 02 01 -2007 03 01.
- Eye diseases – the manifestation of organism ischemic and metabolic processes disturbance. Kaunas University of Medicine Eye clinics and Lithuanian Eye Physician society. Kaunas, Lithuania 2007 03 23 (6 hours).
- European Heidelberg Glaucoma Symposium (EHGS). Heidelberg Engineering GmbH. Athens, Greece, 2007 03 27.
- **Retina clinical fellow (*vitreo-retinal surgery*)**. Regensburg University Eye Hospital. Regensburg, Germany 2008 02 01 – 2008 03 01.
- **Retina clinical fellow (*vitreo-retinal surgery*)**. Oviedo University Eye hospital. Oviedo, Spain 2008 03 02 – 2008 07 31.
- **Retina clinical fellow (*vitreo-retinal surgery*)**. IFOS/ICO grant for Regensburg University Eye Hospital. Regensburg, Germany 2008 11 15 – 2008 02 23.
- **Integrative neuroscience fellow**. CIN grant for Tuebingen University Eye Centre for Ophthalmology, Institute for Ophthalmic Research, University of Tuebingen, Tuebingen, Germany 2009 05 15- 2010 05 15.
- **GCP-Training**. CenTrial GmbH, Germany 2010 01 30 ( 8 hours)
- **Retina fellow (*optics and imaging software engineering*)**. Columbia university, New York, USA, 2011 04 01- 2011 05 01
- **International teacher training certificate**. Competence centre for University teaching in Medicine Baden-Wuerttemberg Germany, Tuebingen, Germany, 2011 06 05 -2011 06 10 (64 hours)
- **Clinical electrophysiology** in Vision, Teaching Course, Fremantle, Western Australia, 2011 11 05 -2011 11 06

**SCIENTIFIC PUBLICATIONS & CONFERENCES****SCIENTIFIC PUBLICATIONS**

1. **Sliesoraityte I**, Kalvaityte I., Dubakiene R. Sensitivity for Dermatophagoides pteronyssinus among Lithuanian students. Allergy hypersensitivity asthma 2004, 2(1): 38-43.
2. **Sliesoraityte I**, Kalvaityte I, Dubakiene R. Sensibilization Dermatophagoides pteronyssinus amongst Lithuanian students. Allergology and Clinical Immunology 2004, 2(1).
3. **Sliesoraityte I**, Kalvaityte I, Dubakiene R. Sensitization to Dermatophagoides pteronyssinus: the allergic disease manifestation trigger. Allergology and Clinical Immunology 2004, 2(1).
4. Dubakiene R, Dautartiene A, **Sliesoraityte I**. Changes in house dust mite fauna in Lithuanian's Dwellings and sensitization to DPT among healthy young people. Proceedings of 2nd WHO International Housing and Health Symposium, September 29- October 1, 2004, 353-359.
5. **Sliesoraityte I**, Lukoševicius A. Corneal structural modelling and analysis. Proceedings of 8th International Conference of Biomedical Engineering. Kaunas University of Technology, 28 -29 October 2004, 138-142.
6. Kotchin D, Ustinovichius L, **Sliesoraityte I**. Verbal Analysis in Decision Making. Technological and Economic Development of Economy. 2004, 1(X): 32-40.
7. Oleka G, Dominauskas D, **Sliesoraityte I**. First Experience when Treating Groin Hernia by Laparoscopic Total Extraperitoneal method in Vilnius University Hospital. Medicine Theory and Practice 2004, 4(40): 319-322.
8. **Sliesoraityte I**, Lukoševicius A, Sliesoraitien V. Corneal thickness factor and artificial intelligent control for intraocular pressure estimation. Electronics and Electrotechnics. 2005, 3(59):37-41.
9. Ustinovichius L., Balcevich R., Kochin D., **Sliesoraityte I**. The use of verbal classification for determining the course of medical treatment by medicinal herbs. Artificial Intelligence in Medicine. 2005, 276-285.
10. Drazdiene N. Bagdoniene R, Sirtautiene R, Vezbergiene N, Sliesoraitiene N, **Sliesoraityte I**. Multifactorial risk factors environment for Retinopathy of prematurity. Acta Medica Lituanica. 2006, 13 (3): 141-147.
11. Poderno PI, **Sliesoraityte I**. Decision support analysis for glaucoma diagnosis: expert based knowledge. Biotechnical systems in medicine and ecology, 2006, 2: 26-30.
12. **Sliesoraityte I**, Poderno PI. Decision support analysis for glaucoma diagnosis: complex criteria. Biotechnical systems in medicine and ecology, 2006, 2: 69-73.
13. **Sliesoraityte I**. Experimental and numerical analysis of corneal thickness for intraocular pressure estimation. Russian Journal of biomechanics. 2006, 10 (2): 36-42.
14. Dubakiene R, **Sliesoraityte I**, Ustinovichius L, Podvezko V, Adomenas PG, Sliesoraitiene V. Individualized allergic diseases diagnostic and treatment schema applying multicriteria estimates and experts systems. Allergology and Clinical Immunology 2006, III (1-2): 55 – 60.
15. **Sliesoraityte I**, Januleviciene I, Lukosevicius A, Sliesoraitiene V. Verbal classification in determining the intraocular pressure altitudes concerning the variation of central corneal thickness. Proceedings of 10th International Conference of Biomedical Engineering. Kaunas University of Technology. Kaunas: Technologija, 2006,167-170.
16. **Sliesoraityte I**, Dubakiene R, Ustinovichius L, Podvezko V, Sliesoraitiene V. Verbal analysis in multicriteria risk factors environment for construction expert based allergy diagnostic and treatment software. Proceedings of the 5th WSEAS International Conference on Environment, Ecosystems and Development, 2006, 248-254.
17. Januleviciene I, Kuzmiene L, **Sliesoraityte I**. Comparison of Intraocular Pressure Fluctuations Measured by Goldmann Applanation Tonometer and Pulsatile Ocular Blood Flow Analyser. International Journal of Biomedical Science 2006, 2(4): 427-432.
18. **Sliesoraityte I**, Paukstaitis V, Sliesoraitiene V. Detection of the tonometrical measurements error adapting the radial basis function method versus multilayer perceptron. Electronics and Electrotechnics 2006, 3(67): 83-87
19. **Sliesoraityte I**, Januleviciene I, Lukosevicius A, Sliesoraitiene V. Classifiers differences method for experimental modeling of intraocular pressure altitudes versus ultrasonic corneal thickness variables. Ultragarsas 2007, 1(62):7-11.
20. Adomenas PG; Pliuškuviene B; **Sliesoraityte I**. Relational sets aggregation and software processing. Information technologies, 2007: 351-355.
21. **Sliesoraityte I**, Tikellis G, Wang JJ, Mitchell P, Gillies MC, Won TY. Retinal Vessel Diameter and Diabetic Macular Edema. IOVS letter to Editor 23 May 2008.

22. Januleviciene I, **Sliesoraityte I**, Siesky B, Harris A. Diagnostic compatibility of structural and haemodynamic parameters in openangle glaucoma patients. *Acta Ophthalmol.* 2008 Aug;86(5):552-557.
23. Robl C, **Sliesoraityte I**, Hillenkamp J, Prahs P, Lohmann CP, Helbig H, Herrmann WA. Repeated pupil size measurements in refractive surgery candidates. *J Cataract Refract Surg.* 2009 Dec;35(12):2099-102.
24. **Sliesoraityte I**, Fedorov E. Artificial vision methods in automobile transport diagnostic. *News of Donetsk technical national university* 2009, 2: 26-32.
25. **Sliesoraityte I**, Troeger E, Kurtenbach A, Wilke R, Zrenner E. Multimodal multidimensional imaging for visual system status assessment. *Conf Proc IEEE Eng Med Biol Soc.* 2010;1:3001-4.
26. Troeger E, **Sliesoraityte I**, Charbel Issa P, Scholl HN, Zrenner E, Wilke R. An integrated software solution for multi-modal mapping of morphological and functional ocular data. *Conf Proc IEEE Eng Med Biol Soc.* 2010;1:6280-3.
27. **I. Sliesoraityte**, R. Dubakiene, E. Federov. A. Skorupskaite, V. Sliesoraitiene. Experimentally based assessment of signal transmission in human retina. *Proceeding of IEEE Prognostics and System Health Management Conference*, 2011: 1-4.
28. Schatz A, Willmann G, Enderle H, **Sliesoraityte I**, Messias A, Bartz-Schmidt KU, Zrenner E, Gekeler F. A new DTL-electrode holder for recording of electroretinograms in animals. *J Neurosci Methods.* 2011 Feb 15;195(2):128-34.
29. **Sliesoraityte I**, Troeger E, Bernd A, Kurtenbach A, Zrenner E. Correlation between spectral domain OCT retinal nerve fibre layer thickness and multifocal pattern electroretinogram in advanced retinitis pigmentosa. *Adv Exp Med Biol.* 2012;723:471-8.
30. Estrada-Cuzcano A, Koenekoop RK, Senechal A, De Baere EB, de Ravel T, Banfi S, Kohl S, Ayuso C, Sharon D, Hoyng CB, Hamel CP, Leroy BP, Ziviello C, Lopez I, Bazinet A, Wissinger B, **Sliesoraityte I**, Avila-Fernandez A, Littink KW, Vingolo EM, Signorini S, Banin E, Mizrahi-Meissonnier L, Zrenner E, Kellner U, Collin RW, den Hollander AI, Cremers FP, Klevering BJ. BBS1 mutations in a wide spectrum of phenotypes ranging from nonsyndromic retinitis pigmentosa to Bardet-Biedl syndrome. *Arch Ophthalmol.* 2012 Nov;130(11):1425-32.
31. Hood DC, Nguyen M, Ehrlich AC, Raza AS, **Sliesoraityte I**, De Moraes CG, Ritch R, Schiefer U. A Test of a Model of Glaucomatous Damage of the Macula With High-Density Perimetry: Implications for the Locations of Visual Field Test Points. *Transl Vis Sci Technol.* 2014 Jun 19;3(3):5.

## SCIENTIFIC CONFERENCES

1. **Sliesoraityte I**, Kalvaityte I. Sensibility to ticks allergic products amongst students. Student LV Scientific conference. Vilnius, 2002. (Oral presentation)
2. **Sliesoraityte I**, Kalvaityte I. Influence of Sensibility on Manifestation of Allergic Diseases. Student LV Scientific conference. Vilnius, 2002. (Oral presentation)
3. Ališauskaite I, **Sliesoraityte I**. On fitting of objective and subjective criterions of newborn valuation. Student LV Scientific conference. Vilnius, 2003. (Oral presentation)
4. Alisauskaite J, **Sliesoraityte I**. Analysis of outcome data of full-term newborns. Student LV Scientific conference. Vilnius, 2003. (Oral presentation)
5. **Sliesoraityte I**. Influence of central corneal thickness when prognosticating aye hypertension. Student LV Scientific conference. Vilnius, 2003. (Oral presentation)
6. **Sliesoraityte I**. Correction of leg length discrepancy using percutaneous epiphysiodesis method. Student LV Scientific conference. Vilnius, 2003. (Oral presentation)
7. **Sliesoraityte I**. Correction of leg length discrepancy using percutaneous epiphysiodesis method. 2nd. Medical Students Scientific Conference. University of Latvia, Faculty of Medicine, 2003. (Oral presentation)
8. **Sliesoraityte I**, Ališauskaite J. Matrix of newborn arterial blood, that of Apgar index and outcome data. Vilnius University Medical Students Scientific Fellowship. Vilnius, 2003. Medical Students Scientific Conference. University of Latvia, Faculty of Medicine, 2003. (Oral presentation)
9. **Sliesoraityte I**, Ališauskaite J. Influence of C-section operations to acidosis of newborn. Medical Students Scientific Conference. University of Latvia, Faculty of Medicine, 2003. (Oral presentation)
10. Alisauskaite J, **Sliesoraityte I**. The analysis of full-term neonates` acidosis outcomes. 2nd. Medical Students Scientific Conference, University of Latvia, Faculty of Medicine, 2003. (Oral presentation)
11. Juodkaite G, Galgauskas S, **Sliesoraityte I**. Contribution of central corneal thickness in hypertension diagnosis. Annual Conference of Lithuanian eye physicians. Druskininkai, 2003. (Oral presentation)

12. Cebotova J, **Sliesoraityte I**. Patient status valuation applying the state classification systems, based on mathematical models. 7-th scientific conference of young Lithuanian scientists. Vilnius, 2004. (Oral presentation)
13. **Sliesoraityte I**. Influence of central corneal thickness in diagnosing ocular hypertension. 14th European Students` Conference. Berlin, Charite, 2003. (Oral presentation)
14. **Sliesoraityte I**. The correlation matrix of ocular hypertension, central corneal thickness and intraocular pressure. 12th Annual international Ain Shams Medical Students` Congress. Cairo, 2004. (Oral presentation)
15. **Sliesoraityte I**, Kalvaityte I, Dubakiene R. Association between sensitization to Dermatophagoides pteronyssinus and allergic symptoms in young healthy individuals. XXIII EAACI Congress. Amsterdam, 2004.
16. Kalvaityte I, **Sliesoraityte I**, Dubakiene R. Students` sensitivity to house dust mite allergens. XXIII EAACI Congress. Amsterdam, 2004.
17. **Sliesoraityte I**, Lukoševicius A. Corneal structural modeling and analysis. Biomedical engineering. Proceedings of international conference. Kaunas University of Technology. Kaunas, Lithuania, 28 -29 October 2004. (Oral presentation)
18. Ustinovichius L., Balcevich R., Kochin D., **Sliesoraityte I**. The use of verbal classification for determining the course of medical treatment by medicinal herbs. Artificial Intelligence in Medicine (AIME 05). Aberdeen, UK, July 2005. (Oral presentation)
19. Bandziene L, **Sliesoraityte I**, Jankauskaite D, Martinaitiene L, Jašinskas V. Application of artificial intelligence for evaluating the inflammation factors influence to corneal thickness and intraocular pressure. Palanga, Lithuania, 2005. (Oral presentation)
20. **Sliesoraityte I**, Paukstaitis V, Lukosevicius A, Sliesoraitiene V. Determining the tonometrical measurements error applying threshold classifier and RBF network versus multilayers perceptrons differential method. The 10th international conference ELECTRONICS 2006. Kaunas, Lithuania, May 23 – 25, 2006. (Oral presentation)
21. Bauer SM, Kachanov AB, Liubimov GA, **Sliesoraityte I**. Influence of corneal thickness for intraocular pressure estimation applying method Maklakov and Goldman aplanation tonometer. VIII Russian conference of biomechanics Biomechanics -2006. Nizni Novgorod, Russia, May 22-26, 2006. (Oral presentation)
22. Ustinovichius L.L, Balcevich RZ, Kochin DY, Sliesoraitiene V, **Sliesoraityte I**. Expert classification in determining the treatment course upon pharmaceutical herbs. International conference of Intellectualization of information processing. Simferopol, Ukraine, 2006. (Oral presentation)
23. Drazdiene N, Bagdoniene R, Sirtautiene R, Vezbergiene N, Sliesoraitiene N, **Sliesoraityte I**. Multifactorial risk factors environment for Retinopathy of prematurity. World ROP meeting. Vilnius, Lithuania, September 14-16, 2006, (Oral presentation)
24. Januleviciene I, **Sliesoraityte I**. Relationship between retrolubar blood flow and structural changes. Palanga, Lithuania, 2006. (Oral presentation)
25. **Sliesoraityte I**, Januleviciene I, Lukosevicius A, Sliesoraitiene V. Verbal classification in determining the intraocular pressure altitudes concerning the variation of central corneal thickness. X International Biomedical Engineering Conference. Kaunas University of Technology. Kaunas, Lithuania, September 26 –27, 2006. (Oral presentation)
26. **Sliesoraityte I**, Dubakiene R, Ustinovichius L, Podvezko V, Sliesoraitiene V. Verbal analysis in multicriteria risk factors environment for construction expert based allergy diagnostic and treatment software. 4th WSEAS International Conference on Environment, ecosystems and development (EED '06). Venice, Italy, November 20-22, 2006.
27. **Sliesoraityte I**, Wong TY, Seang MS, Aung T. Intraocular pressure modeling using age, gender, and central corneal thickness matched curves: the Singapore Eye Malay Study (SiMES). WGC Singapore, July 18-21, 2007.
28. Januleviciene I, **Sliesoraityte I**, Siesky B, Harris A. Diagnostic compatibility of structural and hemodynamic parameters in primary open angle glaucoma. 6th International Glaucoma Symposium (I.G.S.) Athens, Greece, March 28-31, 2007.
29. **Sliesoraityte I**, Januleviciene I, Lukosevicius A, Sliesoraitiene V. Experimental approximation of intraocular pressure versus central corneal thickness altitudes. 6th International Glaucoma Symposium (I.G.S.) Athens, Greece, March 28-31, 2007.
30. **Sliesoraityte I**, Lukoševicius A, Januleviciene I, Sliesoraitiene V. Quantitative and Qualitative Informative Signals Analysis for Construction the Knowledge Basis of Automatic Glaucoma Diagnostic System. The 11th international conference ELECTRONICS 2007. Kaunas, Lithuania, May 15-17, 2007. (Oral presentation)

31. Sliesoraityte I, Januleviciene I, Siesky B, Harris A. Quantifying retrobulbar blood flow and retinal nerve fiber layer thickness in open angle glaucoma. SOE/AAO 2007, Vienna, Austria, June 9-12, 2007.
32. Januleviciene I, **Sliesoraityte I**, Siesky B, Harris A. The relationship between retinal nerve fiber layer thickness and ocular hemodynamics. Singapore, July 18-21, 2007.
33. **Sliesoraityte I**, Lukosevicius A. Decision support system for glaucoma diagnostics: interactive estimation of complex risk factors. ELECTRONICS 2008. Kaunas Lithuania, May 20-22, 2008. (Oral presentation)
34. **Sliesoraityte I**, Lukosevicius A. Decision support using complex multicriteria estimates for autonomous glaucoma diagnostics. WOC 2008, Hong Kong June 28-July 2, 2008.
35. **Sliesoraityte I**, Fedorov E, Dubakiene R. Artificial Neural Networks to Predict the Nerve Fiber Layer Thickness in Relation to Retrobulbar Hemodynamis in Open Angle Glaucoma Invest. Ophthalmol. Vis. Sci. 2009 50: E-Abstract 5867.
36. **Sliesoraityte I**. Hybrid systems in determining the CRP and ischemic component in glaucoma etiopathogenesis. BIOFUTURE 2008, Lithuanian Academy of sciences, Vilnius, Lithuania December 5, 2008. (Oral presentation)
37. **Sliesoraityte I**, Fedorov E. Artificial vision methods in automobile transport diagnostic. International conference "Logistical problems of the transport complex problems", Donetsk, Ukraine 2009. (Oral presentation)
38. **Sliesoraityte I**, Robl C, Helbig H, Herrmann WA. Influence of age on pupil size under scotopic and mesopic conditions in refractive surgery candidates (FP-REF-039). SOE 2009, Amsterdam, Netherlands June 13-16, 2009. (Oral presentation)
39. Castro-Navarro J, **Sliesoraityte I**, Gonzalez-Castano C. 23-Gauge system in vasalva retinopathy in pregnancy: case report (EP-RET- 676). SOE 2009, Amsterdam, Netherlands June 13-16, 2009.
40. **Sliesoraityte I**, Fedorov E, Dubakiene R. Hierarchy analysis method in decision support for open angle glaucoma risk assessment. WGC-2009, Boston, USA July 8-11, 2009 (Poster presentation).
41. Castro-Navarro J, **Sliesoraityte I**, Gonzalez-Castano C, Garcia-Alonso A, Fonolla-Gin M. Dense premacular subhyaloid haemorrhages treated with vitrectomy. EVRS-09, Marrakech. Morocco September 5-8, 2009 (Poster presentation).
42. **Sliesoraityte I**, Bernd A, Kurtenbach A, Zrenner E. Association between Retinal Nerve Fibre Layer Thickness and Ganglion Cell Function in Retinitis Pigmentosa Patients. Oldenburg, Germany October 8-10, 2009 (Poster presentation).
43. **Sliesoraityte I**, Voykov B, Troeger E, Kurtenbach A, Zrenner W. The inner retina functional output and corresponding measures of nerve fibre layer thickness in healthy eyes. WOC 2010, Germany Berlin, June 5-9, 2009 (Poster presentation).
44. **Sliesoraityte I**, Troeger E, Kurtenbach A, Zrenner E. Artificial Neural Network for Estimating the Functional Output of Retinal Ganglion Cells. ARVO 2010, Fort Lauderdale, USA, May 2-6, 2010 (Oral presentation).
45. **Sliesoraityte I**, Troeger E, Kurtenbach A, Zrenner E. Retinal nerve fibre layer thickness measures with spectral-domain optical coherence tomography in retinitis pigmentosa patients. RD 2010, Mont-Tremblant, Quebec, Canada, July 13-17, 2010 (Poster presentation).
46. **Sliesoraityte I**, Troeger E, Kurtenbach A, Wilke R, Zrenner E. Multimodal multidimensional imaging for visual system status assessment. IEEE EMBS 2010, Buenos Aires, Argentina, August 31 - September 4, 2010 (Poster presentation).
47. Troeger E, **Sliesoraityte I**, Charbel Issa P, Scholl HN, Zrenner E, Wilke R. An integrated software solution for multi-modal mapping of morphological and functional ocular data. IEEE EMBS 2010, Buenos Aires, Argentina, August 31 - September 4, 2010 (Poster presentation).
48. Garcia Fernandez M, Castro J, **Sliesoraityte I**, Gonzalez Castano C. Natural evolution of idiopathic lamellar macular holes. EVER 2010, Creta, Greece, October 6-9, 2010 (Poster presentation).
49. **Sliesoraityte I**, Troeger E, Kurtenbach A, Kernstock C, Kohl S, Zrenner E. Evaluation of inner retinal structure and function relation in patients with confirmed ABCA4 mutations. ISCEV 2010, 6-10 November, 2010 (Oral presentation).
50. Stingl K, Hörtdörfer G, Greppmaier U, Bruckmann B, Wilhelm B, Wrobel W, **Sliesoraityte I**, Zrenner E. Vision Mediated by the Subretinal Implant: Improvement for Activities of Daily Living - Preliminary Results. ARVO 2011, Fort Lauderdale, USA, May 1-5, 2011 (Poster presentation).
51. Zrenner E, Bruckmann A., Greppmaier U, Hoertdoerfer G., Kernstock C., **Sliesoraityte I**, Stingl K., Wilhelm B. Improvement of Visual Orientation and Daily Skills Mediated by Subretinal Electronic Implant Alpha IMS in Previously Blind RP Patients. ARVO 2011, Fort Lauderdale, USA, May 1-5, 2011 (Poster presentation).

52. **Sliesoraityte I**, Troeger E, Bernd AM, Kohl S, Wissinger B, Zrenner E. Structural and Functional Maps of the Outer Retina in Patients with Confirmed ABCA4 Gene Mutations. ARVO 2011, Fort Lauderdale, USA, May 1-5, 2011 (Poster presentation).
53. Kurtenbach A, Hipp S, Schatz A, Stingl K, Zobor D, Strasser T, **Sliesoraityte I**, Zrenner E. Extinguished ERGs And Retinal Function In Usher Syndrome. ARVO 2012, Fort Lauderdale (Poster presentation)
54. Nguyen M, Fernandes DB, De Moraes CG, Raza AS, Joyner T, **Sliesoraityte I**, Kardon RH, Schiefer U, Ritch R, Hood DC. Test of a Descriptive Model of the Boundaries of the Maculo-Papillary Region ARVO 2012, Fort Lauderdale, USA (Poster presentation).
55. **Sliesoraityte I**, Troeger E, Kohl S, Wissinger B, Zrenner E. Topographic Mapping Of Functioning Cone And Rod System In Inherited Retinal Degenerations With Confirmed Gene Mutations. ARVO 2012, Fort Lauderdale, USA (Poster presentation).
56. **Sliesoraityte I**, Nagel-Wolfrum K, Sahel JA. European young investigators network for Usher syndrome: state-of-the-art phenotype description, harmonized clinical documentation and Eur-USH database. 1st Conference of the International Rare Diseases Research Consortium 16-17 April, 2013, Dublin, Ireland (Poster presentation).
57. **Sliesoraityte I**, Mohand-Said S; Ganem V, Sahel JA. Adaptive optics and psychophysical measures for anatomical and functional cone patterns association in normal subjects. May 5-9, 2013, ARVO 2013, Seattle, USA (Poster presentation).
58. **Sliesoraityte I**. Artificial vision and current advances in human vision restoration. KOPF Bioengineering - Kolloquium 2013, November 16, 2014, Aachen, Germany (Oral presentation).
59. Nagel-Wolfrum K, Leal S, Silva ED, **Sliesoraityte I**, Vaché C, van Wijk E. European young investigators network for Usher syndrome. International scientific meeting of ERA-NET E-Rare-2, 20-21 January, 2014, Athens, Greece (Poster presentation).
60. **Sliesoraityte I**, Sahel JA. Eur-USH database: European wide genotype and phenotype related database for Usher syndrome. International scientific meeting of ERA-NET E-Rare-2, 20-21 January 2014, Athens, Greece (Poster presentation).
61. **Sliesoraityte I**. Restoring vision: today and tomorrow. TedxVilnius, 22 February 2014, Vilnius, Lithuania (Plenary oral presentation).
62. **Sliesoraityte I**. Vision Restoration Potential in Blind Humans. COINS, 3 -8 March, 2014, Vilnius, Lithuania (Plenary oral presentation).
63. **Sliesoraityte I**, Mohand-Said S, Dagostinoz D, Kotliar K, Miloudi S, Sahel JA. Cones structure and function related patterns in Usher syndrome patients. ARVO, 4-8 May 2014, Orlando, Florida, USA (Poster presentation).
64. Dagostinoz D, **Sliesoraityte I**, Mohand-Said S, Audo I, Sahel JA. Central retina morphology in patients with genetically confirmed Usher syndrome. ARVO, 4-8 May 2014, Orlando, Florida, USA (Poster presentation).
65. Mohand-Said S, **Sliesoraityte I**, Dagostinoz D, Audo I, Pâques M, Sahel JA. Retina specific patterns in genetically confirmed Usher type III patients. ARVO, 4-8 May 2014, Orlando, Florida, USA (Poster presentation).
66. Kotliar K, Schmaderer C, Tholen T, Schmidt-Trucksaess A, Lanzl I, **Sliesoraityte I**, Heemann U, Baumann B. Dynamic retinal vessel reaction to flickering light is changed in chronic hemodialysis patients. ARVO, 4-8 May 2014, Orlando, Florida, USA (Poster presentation).
67. Ehrlich AC, Nguyen MD, Raza AS, **Sliesoraityte I**, Mast A, Schiefer U, Hood DC. Testing a Model of Glaucomatous Damage of the Macula and Assessing the Placement of Visual Field Test Points Using High-Density Perimetry. ARVO, 4-8 May 2014, Orlando, Florida, USA (Poster presentation).
68. **Sliesoraityte I**. EURUSH – importance of phenotype and genotype related database in development treatment potentials for USHER syndrome patients. Retina International, June 27-28, 2014, Paris, France (Oral presentation).
69. **Sliesoraityte I**, Mohand-Said S, Tunde P, Sahel JA. The prevalence and severity of cystic macula lesions in genetically confirmed Usher syndrome patients. International. Symposium on Usher Syndrome, July 10-12, 2014, Boston, Massachusetts, USA (Poster presentation).
70. **Sliesoraityte I**, Machin C, Makowiecka K, Mohand-Said S, Sahel JA. Chromatic pupillometry for assessment functional rod and cone patterns in Usher syndrome patients. EVER 2014, Nice October 1-4, 2014, Nice, France (Oral presentation).
71. **Sliesoraityte I**. EurUSH: genotype and phenotype related database. XXXIII Annual retina Meeting, 08- 11 October, 2014, Guadalajara, Mexico (Oral presentation, Invited speaker).
72. **Sliesoraityte I**. Adaptive optics and OCT imaging in inherited retinal degenerations. XXXIII Annual retina Meeting, 08- 11 October, 2014, Guadalajara, Mexico (Oral presentation, Invited speaker).

73.

**INTERNATIONAL PROJECTS AND FUNDING**

- **Eur-USH (2013-2016): 1.126.240 €** EU study designed for patients suffering from Usher syndrome. Coordinator-K.Nagel-Wolfrum  
**Personal responsibilities (principal investigator, study senior ophthalmologist):** study management and coordination, dealing with local ethics committee and EC approval under GCP requirements, electronic clinical report forms (CRF) and standard operating procedures (SOPs) development, patients' clinical investigation, phenotype-genotype correlation analysis and factorial analysis, end points for future clinical therapy trials estimation, phenotype-genotype related database development.
- **TREATRUSH (2010-2014): 6.000.000 €** EU study designed for patients suffering from Usher syndrome. Coordinator--C.Petit  
**Personal responsibilities (study senior ophthalmologist, data analyst):** patient recruitment management, standard operating procedures manual creation, electronic-CRF development, questionnaires development, patients' clinical investigation, phenotype-genotype correlation analysis and factorial analysis, algorithms for clinical handling and counseling development, personnel training.
- **HOPE, HOPE-2 (2009-2012): 2.462.915 €** EU study designed for patients suffering from cone-rod dystrophie. Coordinator-T.Wheeler-Schiling  
**Personal responsibilities (Co-PI, study senior ophthalmologist):** patient recruitment management, patients' clinical investigation, novel functional test for inner retina signals processing development and testing, multimodal mapping (MMM) software development, personnel training.
- **RHORCOD (2009-2013): 1.036.100 €** EU study designed for patients suffering from autosomal dominant pattern rod-cone dystrophy with confirmed Rhodopsin mutation (AD-RCD-RHO). Coordinator-I.Audo  
**Personal responsibilities (study senior ophthalmologist & data analyst):** dealing with local ethics committee and EC approval under GCP requirements, patient recruitment management, patients' clinical investigation, phenotype-genotype related database development, development and testing novel psychophysical test for rods and cones function estimation, modes for MMM software development, personnel training.
- **OMD (2011-2012):** Clinical study designed for patients suffering from occult macula dystrophy. Coordinator-I.Sliesoraityte  
**Personal responsibilities (PI, study senior ophthalmologist):** dealing with local ethics committee and EC approval under GCP requirements, patients' clinical investigation, end point for future clinical therapy trials estimation, personnel training.
- **DiGMA (2010-2012):** Clinical study designed for patients suffering from open angle glaucoma (OAG). Coordinator-I.Sliesoraityte  
**Personal responsibilities (PI, study senior ophthalmologist):** dealing with local ethics approval, patient recruitment management, patients' clinical investigation, standard operating procedures development, personnel training.
- **RIM (2009-2012):** Clinical trial designed for patients suffering from advanced rod-cones dystrophies, Coordinator-E.Zrenner  
**Personal responsibilities (study ophthalmologist, electrophysiologist):** patient pre- & screening visit, patients' clinical investigation, novel electrophysiology protocols development, algorithms for visual perception analysis and estimation in post sub-retinal implantation, multimodal multidimensional image analysis.



## TEACHING ACTIVITIES

## Lectures &amp; Courses

Details	Information Systems	Ophthalmology	Blindness & Artificial Visual perception using Retinal Implants	Essential Statistics	Advanced Statistics Course
Type	Lecture course with exercises	Intensive block-practice course	Intensive lecture course with practical part	Lecture course with exercises	Lecture course with exercises
Credits/hours	5 credits	3 credits	2 credits	3 credits	1.50
Participants	Bachelor students	Medicine students	PhD students	Master & PhD students	PhD students
Learning targets	Introduce to information management database design and management, database development process, programming basics	Introduce to ophthalmology basics, introduce to biomaterial	Introduce to inherited retinal diseases leading to blindness and principles of artificial visual perception using subretinal implants. At the end of the course students are able to select available techniques for vision restoration and describe main principles of artificial visual perception a	Familiarize students with the basic techniques of statistics, outline its possible pitfalls, and to show how they are related to each other. At the end of the course students should have obtained a firm understanding and overview of statistical techniques and be able to select the appropriate one for their research question.	Provide a brief introduction of statistical methods used for experimental data analysis, outline methods possible pitfalls, and show how they are related to each other. Receive basic skills necessary for appropriate statistical method selection and practically apply statistics for experimental data analysis.
Design and short description	Winter & summer semester 1/week	1 day course: op-simulator, 1 day operation theater, 3 day patients demo	Day 1: Lecture & Electrophysiology (hands-on) Day 2 : Lecture & Imaging Lab & Excursion to Retina Implant AG Day 3 : Patient demos& Topics	Winter semester 2/week Day 1: lecture (9:00 - 10:45 am) Day 2: tutorial on SPSS (14:00-16:00)	Intensive 5 day course: Experimental design, data handling; Descriptive statistics; Hypothesis testing; Correlation, linear regression analysis, ANOVA; Non-parametric tests
Prerequisites	Microsoft office, Basic skills in Matlab is useful.	Basic knowledge in medicine	Basic knowledge in neurosensorics and vision perception	Basic knowledge in statistics is absolutely necessary. Basic skills in the statistics are useful.	Basic knowledge in statistics is absolutely necessary. SPSS v. 19 Software
Place	Vilnius Gediminas Technical University, Vilnius, Lithuania	Institute for ophthalmic research, Tuebingen, Germany	Graduate School of Cellular & Molecular Neuroscience. International Max Planck Research School, Tuebingen, Germany	Graduate School of Neural & Behavioural Sciences. International Max Planck Research School, Tuebingen, Germany	Graduate School of Cellular & Molecular Neurosciences. International Max Planck Research School, Tuebingen, Germany
Date	2005-2007	08.02.2010-10.02.2010 12.04.2010-14.04.2010 14.11.2011-16.11.2011 16.05.2011-18.05.2011 24.01.2011-26.01.2011	27.06.2011-29.06.2011	20.11.2011-20.01.2012	21.05.2012-25.05.2012

## KEY COOPERATION PARTNERS

- **Prof. T. Peto**, NIHR Biomedical Research Centre at Moorfields Eye Hospital NHS Foundation Trust and UCL Institute of Ophthalmology, Head of Reading Centre, London, UK (Retina imaging protocols)
- **Prof. D. Hood**, Columbia University, Department of Psychology New York, USA (Optics and retinal imaging software)
- **Prof. Dr. Z. M. Yuldashev**, Saint Petersburg Electrotechnical University, Biotechnical Systems Department, Saint Petersburg, Russia (Retinal signals processing)
- **Dr. K. Nagel-Wolfrum**, JGU Mainz, Department of Cell and Matrix Biology, Mainz, Germany (Usher proteins structure and function)

## SERVING AS A REVIEWER/DESIGNATED REVIEWER

- Molecular Vision (Journal)
- PECON (IEEE International Power and Energy Conference)
- ISIEA (IEEE Symposium on Industrial Electronics and Applications)
- BJO (British Journal of Ophthalmology)
- Clinical Interventions in Aging