

GYVENIMO APRAŠYMAS

Vardas Pavardė	Daumantas Matulis
Gimimo data	1970 03 19
Elektroninis paštas	matulis@ibt.lt ; daumantas.matulis@bti.vu.lt
Mokslo sritis	Biomedicinos mokslai
Mokslo kryptis	Biochemija

Išsilavinimas

1998-2001	Podaktarinės studijos. Minesotos Universitetas, Saint Paul, Minesota, JAV, 1998 birželis - 2001 gruodis. Ligandų jungimosi su DNR biofizika. Vadovas Profesorius Victor. A. Bloomfield.
1994-1998	Daktaratas (Ph.D.), Biochemija, Molekulinė Biologija ir Biofizika. Minesotos Universitetas, Saint Paul, Minesota, JAV, 1994 liepa - 1998 gegužė. Disertacija: Anijoninių sulfonatų ligandų jungimasis su baltymais bei poveikis baltymų struktūrai ir stabilumui. Vadovas - Profesorius Rex E. Lovrien.
1988-1993	Bakalauro (5 metų diplomo) studijos. Biochemija. Vilniaus Universitetas, Vilnius, Lietuva, 1988 rugsėjis - 1993 birželis. Diplominis darbas: <i>E. coli</i> V38 kamieno atsparumo nikelio jonams mechanizmas. Vadovas Dr. Jonas Rubikas.
1992	Vasaros mokykla: Energetikos planavimas ir aplinkosauga, Oslo universitetas, Oslas, Norvegija. 1992 liepa - rugpjūtis.

Mokymo patirtis, Švietimas

2011 – dabar	Molekulinės biofizikos kursas, VU GF, Biochemijos ir Biofizikos katedra.
2009 ruduo	FEBS kursas “Structure, Folding and Dynamics of Proteins and Their Complexes”, Budapeštas, Vengrija.
2005 – dabar	Baltymų fizikinės chemijos kursas, VU GF, Biochemijos ir Biofizikos katedra. Minesotos Universitete dėščiau bei buvau asistentu šiuose kursuose:
1999, 2000	Gamtos mokslų vasaros mokyklos seminarų vedėjas, 1999 bei 2000 vasaros.
1999	Biochemijos laboratoriniai darbai (dėstytojas, 130 studentų), 1999 ruduo.
1996, 1997	Biochemijos laboratoriniai darbai (asistentas), 1996 žiema bei 1997 pavasaris.

Darbo patirtis

2005 – iki dabar	Biotermodinamikos ir vaistų tyrimo laboratorijos (ankščiau Rekombinantinių baltymų laboratorijos) vedėjas, Biotechnologijos
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	institutas, Vilnius, Lietuva.
2001-2005	Mokslininkas, 3-Dimensional Pharmaceuticals (vėliau Johnson&Johnson)
1998-2001	Mokslininkas stažuotojas, Minesotos universitetas, JAV
1994-1998	Doktorantas, Minesotos universitetas, JAV
1993-1994	Jaunesnysis mokslo darbuotojas, Biochemijos Institutas

Apdovanojimai:

1. 2012 m. Lietuvos Nacionalinės Mokslo Premijos laureatas.
2. „Life Science Baltics Startup“ sesija, Lietuva, Vilnius. 2012 m. (II vieta).
3. Geriausio standinio plakato apdovanojimas „Biochemija ir biofizika Vilniaus universitete“ konferencijoje Vilniuje. 2012 m. (III vieta).
4. Geriausio standinio plakato apdovanojimas „XVII International Society of Biological Calorimetry (ISBC) Conference“ konferencijoje Vokietijoje. 2012 m. (II vieta).
5. Geriausio standinio plakato apdovanojimas “ESBES+ISPPP+ISB“ konferencijoje Italijoje. 2010 m.
6. ScanBalt akademijos premija (už pasiekimus skatinant tarpvalstybinį bendradarbiavimą), Švedija. 2009 m.
7. Prezidento Valdo Adamkaus visuomeninis konsultantas emigracijos bei repatriacijos klausimais. 2007-2009 m.
8. „European Federation of Pharmaceutical Industries and Associations“ išrinktas jaunuojų mokslininku.
9. Telia Soneros premija (už mokslo populiarinimą ir pasiekimus Lietuvoje), Švedija. 2007 m.
10. Robert Jennes apdovanojimas. Minesotos universitetas. 2000 m.
11. Nacionalinės aukštosios mokyklos Olimpinės chemijos varžybos. 1998 m. (III vieta).

Mokslinės publikacijos:

1. Čapkauskaitė, E., Zubrienė, A., Smirnov, A., Torresan, J., Kišonaitė, M., Kazokaitė, J., Gylytė, J., Michailovienė, V., Jogaitė, V., Manakova, E., Gražulis, S., Tumkevičius, S., Matulis, D. „Benzenesulfonamides with pyrimidine moiety as inhibitors of human carbonic anhydrases I, II, VI, VII, XII, and XIII“. *Biorg. Med. Chem.* 21: 6937-6947.
2. Petrauskas, V., Gylytė, J., Toleikis, Z., Cimmerman, P., Matulis, D. 2013. Volume of Hsp90 ligand binding and the unfolding phase diagram as a function of pressure and temperature. *Eur. Biophys. J.* 42: 355-362.
3. Dudutienė, V., Zubrienė, A., Smirnov, A., Gylytė, J., Timm, D., Manakova, E., Gražulis, S., Matulis, D. 2013. 4-Substituted-2,3,5,6-tetrafluorobenzenesulfonamides as inhibitors of carbonic anhydrases I, II, VII, XII, and XIII. *Biorg. Med. Chem.* 21: 2093-2106.
4. Jogaitė, V., Zubrienė, A., Michailovienė, V., Gylytė, J., Morkūnaitė, V., Matulis, D. 2013. Characterization of Human Carbonic Anhydrase XII Stability and Inhibitor

- Binding. *Bioorg. Med. Chem.* 21: 1431-1436.
- Pirrie, L., McCarthy, A. R., Major, L., Morkūnaitė, V., Zubrienė, A., Matulis, D., Lain, S., Lebl, T., Westwood, N. J. 2012. Discovery and Validation of SIRT2 Inhibitors Based on Tenovin-6: Use of a H-NMR Method to Assess Deacetylase Activity. *Molecules*. 17: 12206-12224.
 - Sharp, S. Y., Roe, S. M., Kazlauskas, E., Čikotienė, I., Workman, P., Matulis, D., Prodromou, C. 2012. Co-Crystalization and In Vitro Biological Characterization of 5-Aryl-4-(5-Substituted-2,4-Dihydroxyphenyl)-1,2,3-Thiadiazole Hsp90 Inhibitors. *Plos One*. 7(5): e44642.
 - Giessrigl, B., Krieger, S., Rosner, M., Huttary, N., Saiko, Ph., Alami, M., Messaoudi, S., Peyrat, J. F., Maciuk, A., Gollinger, M., Kopf, S., Kazlauskas, E., Mazal, P., Szekeres, T., Hengstschlager, M., Matulis, D., Jager, W., Krupitza, G. 2012. Hsp90 stabilizes Cdc25A and counteracts heat shock-mediated Cdc25A degradation and cell-cycle Q1 attenuation in pancreatic carcinoma cells. *Human Molecular Genetics*. 21: 4615-4627.
 - Labanauskas, L., Dudutienė, V., Urbelis, G., Sarlauskas, J., Sūdžius, J., Matulis, D., Striela, R., Žilinskas, A. 2012. Synthesis of substituted 2λ 4 δ 2-[1,2,3]thiadiazolo[3,4-c]benzimid-azoles and 2λ 4 δ 2-[1,2,3,5]thiatriazol[3,4-c]benzimidazoles. *Arkivoc*. 8: 17-26.
 - Kazlauskas, E., Petrikaitė, V., Michailovienė, V., Revuckienė, J., Matulienė, J., Grinius, L., Matulis, D. 2012. Thermodynamics of Aryl-dihydroxyphenyl-thiadiazole Binding to Human Hsp90. *Plos One*. 7(5): e36899.
 - Toleikis, Z., Cimmerman, P., Petrauskas, V., Matulis, D. 2012. Serum albumin ligand binding volumes using high pressure denaturation. *Journal of Chemical Thermodynamics*. 52: 24-29.
 - Čapkauskaitė, E., Zubrienė, A., Baranauskienė, L., Tamulaitienė, G., Manakova, L., Kairys, V., Gražulis, S., Tumkevičius, S. and Matulis, D. 2012. Design of [(2-pyrimidinylthio)acetyl]benzenesulfonamides as inhibitors of human carbonic anhydrases. *Eur. J. Med.Chem.* 51: 259-270.
 - Norvaišas, P., Petrauskas, V. and Matulis, D. 2012. Thermodynamics of Cationic and Anionic Surfactant Interaction. *Physical Chemistry B*. 116: 2138-2144.
 - Baranauskiene, L., Matulis, D. 2012. Intrinsic thermodynamics of ethoxzolamide inhibitor binding to human carbonic anhydrase XIII. *BMC Biophysics*. 5:12 2046-1682.
 - Toleikis, Z., Cimmerman, P., Petrauskas, V. and Matulis, D. 2011. Determination of the volume changes induced by ligand binding to heat shock protein 90 using high-pressure denaturation. *Analytical Biochemistry*. 413: 171-178.
 - Zubrienė A., Kazlauskas E., Baranauskienė L., Petrauskas V., Matulis D. 2011. Isothermal Titration Calorimetry and Thermal Shift Assay in Drug Design. *European Pharmaceutical Review*. 16 (3): 56-59.
 - Cimmerman, P. and Matulis, D. 2011. Protein Thermal Denaturation Measurements via a Fluorescent Dye. In „Biophysical Approaches Determining Ligand Binding to Biomolecular Targets. Detection, Measurement and Modeling“. Eds. Podjarny, A., Dejaegere, A. and Kiefer, B. RSC Publishing. Chapter 8.
 - Petrikaite V., Matulis D. Thermodynamics of Natural and Synthetic Inhibitor Binding

- to Human Hsp90. In: "Application of Thermodynamics to Biological and Materials Science". Ed. Mizutani Tadashi, 2011, 77-92.
18. Petrikaitė V., Matulis D. 2011. Natural and synthetic inhibitors binding to human Hsp90 and their clinical application. *Medicina (Kaunas)*. 47 (8): 413:420. Petrikaite, V. and Matulis, D. 2010. Thermodynamics of Natural and Synthetic Inhibitor Binding to Human Hsp90. *Thermodynamics*. 77- 92.
 19. Zubrienė, A., Gutkowska, M., Matulienė, J., Chaleckis, R., Michailovienė, V., Voroncova, A., Venclovas, Č., Zylicz, A., Zylicz, M., and Matulis, D. 2010. Thermodynamics of radicicol binding to human Hsp90 alpha and beta isoforms. *Biophys. Chem.* 152(1-3): 153-63.
 20. Rink, C., Sasse, F., Zubrienė, A., Matulis, D. and Maier, M. E. 2010. Probing the influence of an allylic methyl group in zearalenone analogues on binding to Hsp90. *Chemistry*. 16(48):14469-78.
 21. Čapkauskaitė, E., Baranauskienė, L., Golovenko, D., Manakova, E., Gražulis, S., Tamkevičius, S., Matulis, D. 2010. Indapamide-like substituted benzenesulfonamides as inhibitors of carbonic anhydrases I, II, VII, and XIII. *Bioorg. Med. Chem.* 18: 7357-7364.
 22. Sūdžius, J., Baranauskienė, L., Golovenko, D., Matulienė, J., Michailovienė, V., Torresan, J., Jachno, J., Sukackaitė, R., Manakova, E., Gražulis, S., Tumkevičius, S. and Matulis, D. 2010. 4-[N-(Substituted 4-Pyrimidinyl)amino]benzenesulfon-amides as Inhibitors of Carbonic Anhydrase Isozymes I, II, VII and XIII. *Bioorg. Med. Chem.* 18: 7413-21.
 23. Baranauskienė, L., Hilvo, M., Matulienė, J., Golovenko, D., Manakova, E., Dudutienė, V., Michailovienė, V., Torresan, J., Jachno, J., Parkkila, S., Maresca, A., Supuran, C. T., Gražulis, S. and Matulis, D. 2010. Inhibition and binding studies of carbonic anhydrase isozymes I, II and IX with benzimidazo[1,2-c][1,2,3]thiadiazole-7-sulfonamides, *J. Enz. Inhib. Med. Chem.* 25(6): 863-70.
 24. Zurawska, A., Urbanski, J., Matulienė, J., Baraniak, J., Klejman, M. P., Filipek, S., Matulis, D. and Bieganski, P. 2010. Mutations that increase both Hsp90 ATPase activity in vitro and Hsp90 drug resistance in vivo. *BBA – Molec. Cell Res.* 1803(5): 575-583.
 25. Labanauskas, L., Dudutienė, V., Matulis, D., Urbelis, G. 2009. Synthesis of a new heterocyclic system: 3 phenylbenzimidazo [1,2-c]-[1,2,3]selenadiazole . *Chem. Heterocycl. Comp.* No. 9, 1153-1154.
 26. Ugele, M., Sasse, F., Knapp, S., Fedorov, O., Zubriene, A., Matulis, D., Maier M. E., 2009. Propionate Analogues of Zearalenone Bind to Hsp90. *ChemBioChem.* 10: 2203-2212.
 27. Baranauskienė, L., Petrikaitė, V., Matulienė, J., Matulis, D., 2009. Titration Calorimetry Standards and the Precision of Isothermal Titration Calorimetry Data. *Int. J. Mol. Sci.* 10: 2752-2762.
 28. Zubrienė, A., Matulienė, J., Baranauskienė, L., Jachno, J., Torresan, J., Michailovienė, V., Cimperman, P., Matulis, D. 2009. Measurement of Nanomolar Dissociation Constants by Titration Calorimetry and Thermal Shift Assay – Radicicol Binding to Hsp90 and Ethoxzolamide Binding to CAII. *Int. J. Mol. Sci.* 10: 2662-2680.
 29. Cikotienė, I., Kazlauskas, E., Matulienė, J., Michailovienė, V., Torresan, J., Jachno, J.,

- Matulis, D. 2009. 5-Aryl-4-(5-substituted-2,4-dihydroxyphenyl)-1,2,3-thiadiazoles as inhibitors of Hsp90 chaperone. *Bioorg Med Chem Lett.* 19: 1089-1092.
30. Hilvo, M., Baranauskiene, L., Salzano, A. M., Scaloni, A., Matulis, D., Innocenti, A., Scozzafava, A., Monti, S. M., Di Fiore, A., De Simone, G., Lindfors, M., Jänis, J., Valjakka, J., Pastoreková, S., Pastorek, J., Kulomaa, M. S., Nordlund, H. R., Supuran, C. T., Parkkila, S., 2008. Biochemical characterization of CA IX: one of the most active carbonic anhydrase isozymes *J Biol Chem* 283: 27799-27809.
 31. Cimperman, P., Baranauskiene, L., Jachimoviciute, S., Jachno, J., Torresan, J., Michailoviene, V., Matulienė, J., Sereikaite, J., Bumelis, V., Matulis, D. 2008. A Quantitative Model of Thermal Stabilization and Destabilization of Proteins by Ligands. *Biophys. J.* 95:3222-3231.
 32. Baranauskienė, L., Matulienė, J., Matulis, D., 2008. Determination of the thermodynamics of carbonic anhydrase acid-unfolding by titration calorimetry. *J. Biochem. Biophys. Meth.* 70: 1043-1047.
 33. Dudutienė, V., Baranauskienė, L., Matulis, D., 2007. Benzimidazo[1,2-c][1,2,3]thiadiazole-7-sulfonamides as inhibitors of carbonic anhydrase, *Bioorg Med Chem Lett*, 17: 3335-3338.
 34. Matulis, D., Kranz, J. K., Salemme, F. R., and Todd, M. J. 2005. Thermodynamic stability of carbonic anhydrase: measurements of binding affinity and stoichiometry using ThermoFluor. *Biochemistry.* 44: 5258-5266.
 35. Matulis, D., Lovrien, R. 2005. Assays for Total Protein. *Current Protocols in Protein Science*: 3.4.1-3.4.4. Pakartotiniai atnaujinta versija.
 36. Matulis, D. and Todd, M. 2004. Thermodynamics – structure correlations of sulfonamide inhibitor binding to carbonic anhydrase. In “Biocalorimetry 2“, eds. Ladbury, J.E. and Doyle, M.L. Wiley. 107-132.
 37. Matulis, D., Rouzina, I., and Bloomfield, V. 2002. Thermodynamics of cationic lipid binding to DNA and DNA condensation: Roles of electrostatics and hydrophobicity. *J. Am. Chem. Soc.* 124: 7331-7342.
 38. Matulis, D. 2001. Thermodynamics of the hydrophobic effect. III. Condensation and aggregation of alkanes, alcohols, and alkylamines. *Biophys. Chem.* 93: 67-82.
 39. Matulis, D., and Bloomfield, V. 2001. Thermodynamics of the hydrophobic effect. II. Calorimetric measurement of enthalpy, entropy, and heat capacity of aggregation of alkylamines and long aliphatic chains. *Biophys. Chem.* 93: 53-65.
 40. Matulis, D., and Bloomfield, V. 2001. Thermodynamics of the hydrophobic effect. I. Coupling of aggregation and pKa shifts in solutions of aliphatic amines. *Biophys. Chem.* 93: 37-51.
 41. Lovrien, R., Wu, C., and Matulis, D. 2000. Ligand - protein coprecipitative isolation by matrix stacking and entanglement. *Sep. Sci. Technol.* 35(11): 1795-1811.
 42. Matulis, D., Rouzina, I., and Bloomfield, V. 2000. Thermodynamics of DNA binding and condensation: isothermal titration calorimetry and electrostatic mechanism. *J. Mol. Biol.* 296: 1053-1063.
 43. Matulis, D., Baumann, C., Bloomfield, V., and Lovrien, R. 1999. 1-Anilino-8-naphthalene sulfonate as a protein conformational tightening agent. *Biopol.* 49: 451-458.

44. Matulis, D., Wu, C., Pham, T., Guy, C., and, Lovrien, R. 1999. Protection of enzymes by aromatic sulfonates from inactivation by acid and elevated temperatures. *J. Molec. Catalysis B: Enzymatic*. 7: 21-36.
45. Lovrien, R. and Matulis, D. 1998. Determination of total protein. *Current Protocols in Pharmacology*. John Wiley and Sons. Appendix.
46. Matulis, D., and Lovrien, R. 1998. 1-Anilino-8-naphthalene sulfonate anion-protein binding depends primarily on ion pair formation. *Biophys. J.* 74: 422-429.
47. Wu, C., Lovrien, R. and Matulis, D. 1998. Lectin coprecipitative isolation from crudes by little rock orange ligand. *Analyt. Biochem.* 257: 33-39.
48. Rubikas, J. and Matulis, D. 1998. Nickel resistance in *Escherichia coli* V38 isolated from city sewage sludge. *Ekologija*. 9: 24-28.3.
49. Rubikas, J., and Matulis, D. 1998. Nickel ion efflux is the main mechanism of resistance in *Escherichia coli* V38. *Ekologija*. 9: 29-32.
50. Matulis, D., Lovrien, R. 1997. Selective Precipitation of Proteins. *Current Protocols in Protein Science*: 4.5.1-4.5.36.
51. Rubikas, J., Matulis, D., Leipus, A., and Urbaitienė, D. 1997. Nickel resistance in *Escherichia coli* V38 is dependent on the concentration used for induction. *FEMS Microbiol. Lett.* 155: 193-198.
52. Matulis, D., Richardson, T. and Lovrien, R. 1996. Coprecipitation of proteins with matrix ligands: scaleable protein isolation. *J. Molec. Recogn.* 9: 433-443.
53. Matulis, D., Lovrien, R. 1995. Assays for Total Protein. *Current Protocols in Protein Science*: 3.4.1-3.4.4.

Visuomeninė veikla

- Amerikos Chemikų Asociacijos narys (1996-dabar)
- JAV Biofizikų Draugijos narys (1996-dabar)
- JAV Lietuvių Bendruomenės Filadelfijos Apylinkės pirmininkas (2003 – 2004)
- JAV Lietuvių Jaunimo Sąjungos Filadelfijos Skyriaus pirmininkas (2002 – 2004)
- Lietuvių, gyvenusių Amerikoje, visuomeninės organizacijos "Sugrįžus" prezidentas (2007-2009)
- Lietuvos Respublikos Prezidento Valdo Adamkaus visuomeninis konsultantas emigracijos klausimais (2007-2009)
- Užsienio lietuvių mokslo forumo, vėliau asociacijos „Futura Scientia“ valdybos narys

Patentai:

1. Europos patentas Nr. 2054420. "Benzimidazo[1,2-C][1,2,3]Thiadiazol-7-Sulfonamides as Inhibitors of Carbonic Anhydrase and the Intermediates for Production Thereof". Paraiška pateikta 2007 m., patentas įregistruotas 2011 06 22.
2. Europos patentas Nr. 2268626. "5-Aryl-4-(5-Substituted 2,4-Dihydroxyphenyl)- 1,2,3-Thiadiazoles as Inhibitors of Hsp90 Chaperone and the Intermediates for Production Thereof". Paraiška pateikta 2008 m., patentas įregistruotas 2012 02 01.

Patentinė paraiška:

1. Fluorinated benzenesulfonamides as inhibitors of Carbonic Anhydrase. PCT/LT2012/000007. 2012-10-30

Konferencijų organizavimas:

1. „COST TD0905“, 2013 10 30-31, Vilnius, Lietuva.
2. „CEEC-TAC2 2nd Central and Eastern European Conference on Thermal Analysis and Calorimetry“, 2013 08 27-30, Vilnius, Lietuva.
3. „ScanBalt Scientific Advisory Board of the ScanBalt Forum and ScanBalt Biomaterials Days“, 2008 09 24-26, Vilnius, Lietuva.

Kviestiniai pranešimai tarptautinėse konferencijose:

1. Matulis D. “Biophysical assays of inhibitor binding to selected CA isozymes”. 2nd CA satellite meeting, Neapolis, Italija. 2013 10 23-25.
2. Matulis D. “Novel inhibitors of Carbonic Anhydrase IX, an Anticancer Target“.Lithuanian Trade Mission to Boston (and Washington), Bostonas, JAV. 2013 06 16-25.
3. Matulis D. “Intrinsic thermodynamics – structure correlations of anticancer drug lead binding to target proteins”. “CEEC-TAC2”, Vilnius, Lietuva. 2013 08 27-30.
4. Matulis D. Intrinsic thermodynamics - structure correlations of anticancer drug lead binding to target proteins. „20th Biennial Meeting of the International Society for Molecular Recognition“, Viena, Austrija. 2013 06 26 – 29.
5. Matulis D. Drug Design: Intrinsic Energetics – Structure Correlations, ITC, TF, Activity, X-ray. „Biophysical Society 57th Annual Meeting“, Filadelfija, JAV. 2013 01 31-02 14.
6. Matulis D. Design, synthesis, binding, crystallography, and docking of [(2-pyrimidinylthio)acetyl] benzenesulfonamides as inhibitors of human carbonic anhydrases. „COST0804“, Salerno, Italija. 2012 11 03 – 07.
7. Matulis D. Overview of Lithuanian Pharmaceutical Industry. „Life Sciences Baltics Conference“. Vilnius, Lietuva. 2012 09 12 – 14.
8. Matulis D. Thermodynamics Of Inhibitor Binding To Recombinant Human Carbonic Anhydrases (CA) VI and XII. „Future in Chemistry and Biology for Epigenetics training school“. Poitiers, Prancūzija. 2012 07 09 – 12.
9. Matulis D. Anticancer activity of ICPD inhibitors of Hsp90 on human tumor cell lines and in murine tumor allografts. „COST0804“, Bukareštas, Rumunija. 2012 05 20 – 24.
10. Matulis D. Thiophene Sulfonamides as Carbonic Anhydrase Inhibitors by Titration Calorimetry and Thermal Shift Assay. „COST0905“, Latvija, Ryga. 2012 06 26 – 28.
11. Matulis D. Drug Binding Energetics by Titration Calorimetry, Thermal and Pressure Shift Assay. Johns Hopkins university, Baltimore, USA. 2011 03.
12. Matulis D. Structural biothermodynamics of inhibitor binding to human recombinant carbonic anhydrases and Hsp90. “The 66th Calorimetry Conference”. Hawaii, USA.

- (2011.06.14).
13. Zubrienė A., Baranauskienė L., Kazlauskas E., Toleikis Z., Matulis D. Drug Binding Energetics by Titration Calorimetry, Thermal and Pressure Shift Assay. The 1st Central and Eastern European Conference on Thermal Analysis and Calorimetry. 2011 09 07 – 10. Craiova. Romania.
 14. Matulis D. Structural biothermodynamics of inhibitor binding to human recombinant carbonic anhydrases. Carbonic Anhydrase meeting. 2011 09 16 – 18. Tallberg. Sweden.
 15. Matulis D. Structural biothermodynamics of inhibitor binding to human recombinant carbonic anhydrases and Hsp90. Nordic Biacore and MicroCal User Meeting. 2011 11 17 – 18. Copenhagen, Denmark.
 16. Matulis, D. Carbonic anhydrase inhibitors as anticancer agents. Molėtai, Lithuania. (2010.06.16).
 17. Matulis, D. Structural biothermodynamics and the search for drug-like compounds. Plenary lecture given at the Institute of Theoretical Physics and Astronomy of Vilnius university, Molėtai Astronomical Observatory, Molėtai, Lithuania. (2010.07.31).
 18. Matulis, D. Structural biothermodynamics and the search for drug-like compounds. Plenary lecture given at the Conference of Organic Synthesis, Kaunas University of Technology, Kaunas, Lithuania. (2009.04.22).
 19. Matulis, D. Carbonic anhydrase and Hsp90 inhibitor binding measurements by TSA, ITC, and X-ray crystallography. Instruct meeting. Budapest, Hungary (2009.03.30).
 20. Matulis, D. Characterization of carbonic anhydrases and determination of inhibitor binding by thermal shift assay. Invited by Prof. Seppo Parkkila, Institute of Medical Technology / University of Tampere, Biokatu 6, 33520 Tampere, Finland (2007.11.19).
 21. Matulis, D. Characterization of carbonic anhydrases and determination of inhibitor binding by thermal shift assay. Invited by Prof. Claudiu Supuran, Universita Degli Studi Di Firenze, Dipartimento Di Chimica, Italy (2007.11.23).
 22. Matulis, D. Human Hsp90 stability and radicicol binding by thermal shift assay. Invited by Prof. Maciej Zylicz, International Institute of Molecular and Cell Biology in Warsaw. Poland (2006.12.15).
 23. Matulis, D., and Todd, M. July 2003. Thermodynamics of sulfonamide inhibitor binding to carbonic anhydrase using titration calorimetry: an interesting effect of protein, ligand, and buffer protonation. Presented at the 2003 Current Trends in Microcalorimetry, Boston, USA.
 24. Matulis, D., Rouzina, I., and Bloomfield, V. November 1999. Thermodynamics of DNA binding and condensation: isothermal titration calorimetry and electrostatic mechanism. Presented at the Nucleic Acid Interest Group, University of Minnesota.
 25. Matulis, D. March 1998. Using isothermal titration calorimetry to evaluate the energetics of intermolecular interactions. Presented at the Nucleic Acid Interest Group, University of Minnesota.

Kiti žodiniai pranešimai konferencijose ir susitikimuose:

1. Matulis D. „BSHR HealthPort“ aptarimas. „ExCo meeting“. 2013 06 03 - 04. Rostokas, Vokietija.
2. Matulis D. “The Pitfalls of Drug Lead IC 50 and Binding Measurements to Target Proteins”. „COST CM0804“. 2013 05 06-09, Izmiras, Turkija.
3. Matulis D., Budvytytė R., Černiauskaitė D. Projekto „BSHR HealthPort“ aptarimas. 11th ScanBalt Forum. 2012 11 20 – 23. Tampere, Suomija.
4. Matulis D., Budvytytė R. Projekto „BSHR HealthPort“ aptarimas. „ExCo meeting“. 2012 08 28. Kopenhaga, Danija.
5. Blank W., Matulis, D., Frank P. ScanBalt Health Region – Setting the Stage for Cross-Sectorial Innovation in Health and Life Sciences. What is in for the regions? Baltic Development Forum. 2011 10 25 – 27. Gdanskas, Lenkija.
6. Matulis D., Grinius L., Revuckienė J., Budvytytė R., Černiauskaitė D. Projekto „BSHR HealthPort“ aptarimas. 10th ScanBalt Forum. 2011 09 21 – 24. Heringsdorf, Vokietija.
7. Matulis D. “Chemijos grožis ir nauda kuriant vaistus”. „LJMS vasara 2011“. 2011 07 31 – 08 07. Molėtai, Lietuva.
8. Jogaitė V., Zubrienė A., Baranauskienė L., Dudutienė V., Čapkauskaitė E., Michailovienė V., Gylytė J., Šebėka H., Matulis D. Inhibitor binding thermodynamics and stability characterization of human carbonic anhydrases. FEBS satellite CA meeting. 2011 06 22 – 24. Montecatini, Italija.
9. Zubrienė, A., Kazlauskas E., Baranauskienė, L., Petrauskas, V., Matulis, D. Towards the intrinsic lead binding thermodynamics. COST TD 0905. 2011 04 28 – 05 01. Splitas, Kroatija.
10. Matulis, D. Determination of the Volume Changes Induced by Ligand Binding to Hsp90 Using High Pressure Denaturation. Biophysical Society 55th Annual Meeting. 2011 03 05 – 09. Baltimore, JAV.
11. Matulis, D. Structural biothermodynamics of inhibitor binding to human recombinant carbonic anhydrases and Hsp90. Johnson & Johnson. 2011 03 10. JAV.
12. Toileikis, Z., Cimperman, P., and Matulis, D. The Volumes of Ligand Binding to Hsp90 by High Pressure Denaturation. The 6th International Conference on High Pressure Bioscience and Biotechnology (HPBB2010). 2010 08 28-09 01. Munchenas, Vokietija.
13. Zubrienė, A., Matulis, D. Thermodynamics of radicicol binding to human Hsp90 alpha and beta isoforms. ESBES+ISPPP+ISB. 2010 09 05-08. Bolonija, Italija.
14. Zubriene, A., Maier, E.M., Sasse, F., Kazlauskas, E., Toileikis, Z., Chaleckis, R., Michailoviene, V., Petrikaite, V., Grinius, L., Matuliene, J., Matulis, D. Radicicol, a natural compound and an efficient inhibitor of Hsp90, as a lead for anticancer drug design. COST CM0804, “Natural Products as Drug and Leads to Drugs”. 2010 10 12 – 15. Kreta, Graikija.
15. Zubriene, A., Baranauskiene, L., Kazlauskas, E., Toileikis, Z., Chaleckis, R., Michailoviene, V., Petrikaite, V., Capkauskaite, E., Dudutiene, V., Matuliene, J., Matulis, D. Drug Binding Energetics by Titration Calorimetry, Thermal and Pressure Shift Assay. COST Action TD09/05 Epigenetics - Bench to Bedside. 2010 11 22 – 25.

Brno, Čekija.

16. Baranauskienė, L., Kazlauskas, E., Cikotienė, I., Matulienė, J., Zubienė, A., Jachno, J., Torresan, J., Michailoviene, V., Cimperman, P., Grazulis, S., and Matulis D. Carbonic anhydrase and Hsp90 inhibitor binding measurements by thermal shift assay, titration calorimetry, and x-ray crystallography. INSTRUCT meeting, 2009 03 29-31. Budapeštas, Vengrija.
17. Baranauskienė, L., Sūdžius, J., Michailovienė, V., Matulienė, J., Tumkevičius, S., Matulis, D. Carbonic anhydrase ligand binding by thermal shift assay and titration calorimetry. The 8-th International Conference on the Carbonic Anhydrases, 2009 09 16-19. Florencija, Italija.
18. Cimperman, P., Zubriene, A., Baranauskienė, L., Kazlauskas, E., Matulienė, J., and Matulis, D. Determination of protein-ligand binding thermodynamics by thermal shift assay. European Biophysics Congress Genova, 2009 07 11-15. Genova, Italija.
19. Petrikaitė, V., and Matulis, D. Thermal Shift Assay and Titration Calorimetry for Protein-Ligand Interactions. COST CM0804 konferencija "Chemical Biology with Natural Products, 2009 12 3-5. Siena, Italija.
20. Kazlauskas, E., Cikotienė, I., Matulienė, J., Zubriene, A., Jachno, J., Torresan, J., Michailoviene, V., Matulis, D. Resorcinol class Hsp90 inhibitor binding thermodynamics and the effect on cancerous cells. The 4th International Conference on the Hsp90 Chaperone Machine, 2008.10.2-6. Bavaria, Vokietija.
21. Baranauskienė, L., Dudutiene, V., Matulis, D. 2006. Benzimidazo [1,2-c][1,2,3] thiadiazole sulfonamides as carbonic anhydrase inhibitors. 7th International Conference on Carbonic Anhydrases: CA Research in the Postgenomic Era. Whitney Laboratory of the University of Florida, St. Augustine, JAV.
22. Matulis, D., and Todd, M. August 2003. Thermodynamics of sulfonamide inhibitor binding to carbonic anhydrase using titration calorimetry: and interesting effect of protein, ligand, and buffer protonation. Presented at the 58th Calorimetry Conference, Honolulu, JAV.
23. Matulis, D., and Bloomfield, V. September 2001. Determination of hydrophobic interactions between long aliphatic hydrocarbons: aliphatic amine aggregation and protonation pKa shift. Presented at the 15th Annual Gibbs Conference on Biothermodynamics, Carbondale, JAV.
24. Matulis, D., and Bloomfield, V. August 2001. Determination of hydrophobic interactions between long aliphatic hydrocarbons: aliphatic amine aggregation and protonation pKa shift. Presented at the 56th Annual Calorimetry Conference, Colorado Springs, JAV.
25. Matulis, D., Rouzina, I., and Bloomfield, V. May 2000. Thermodynamics of cationic lipid binding to DNA by isothermal titration calorimetry. The roles of electrostatics and hydrophobicity. Presented at the 14th Annual Gibbs Conference on Biothermodynamics, Carbondale, JAV.
26. Matulis, D., Rouzina, I., and Bloomfield, V. May 2000. Thermodynamics of cationic lipid binding to DNA by isothermal titration calorimetry. The roles of electrostatics and hydrophobicity. Presented at 2000 Midwest Thermodynamics and Statistical Mechanics Conference, Mineapolis, JAV.
27. Matulis, D., and Lovrien, R. July 1998. Protection of enzymes by aromatic sulfonates

from inactivation by acid. Presented at the First International Conference on Protein Stabilization, Leeds, Didžioji Britanija.

28. Matulis, D., and Lovrien, R. February 1998. ANS anion - protein binding primarily depends on ion pair formation. Given at the 42nd Annual Meeting of the Biophysical Society, Kansaso miestas, JAV.

Stendiniai pranešimai susitikimuose ir konferencijose:

1. Gylytė, J., Zubrienė, A., Dudutienė, V., Smirnov, A., Timm, D., Manakova, E., Gražulis, S., Matulis, D. „Intrinsic thermodynamics-structure correlations of fluorinated benzenesulfonamides as inhibitors of human carbonic anhydrases“. „The Twenty-seventh Annual Gibbs Conference on Biothermodynamics“, 2013 10 05-08, Carbondale, JAV.
2. Petrauskas, V., Gylytė, J., Toleikis, Z., Cimperman, P., Matulis, D. „Protein-ligand affinity correlation with the ligand binding volume“. „9th European Biophysics Congress“, 2013 07 13-18, Lisabona, Portugalija.
3. Petrikaitė, V., Matulienė, J., Tauraitė, D., Villanueva, A., Berdasco, M., Huertas, A., Satein, E. F., Esteller, M., Matulis, D. „Anticancer activity of ICPD compounds in murine models and human cancer cells“. „COST TD0905“, 2013 04 29-30, Reikjavikas, Islandija.
4. Kazlauskas, E., Čikotienė, I., Zubrienė, A., Matulienė, J., Mikučiauskaitė, J., Chaleckis, R., Sharp S., Workman P., Prodromou, Ch, Matulis, D. „ICPD Inhibitor Binding to Human Hsp90 alpha, beta, Full-Length, N-Terminal Domain, Lidless, and Active Site Mutant Isoforms“. „6th International Conference on the Hsp90 Chaperone Machine“, 2012 09 19-23, Les Diablerets, Šveicarija.
5. Norvaišas, P., Petrauskas, V., Matulis, D. „Thermodynamics of cationic and anionic surfactant interaction“. „XVII International Society of Biological Calorimetry (ISBC) Conference“, 2012 06 03-06, Leipcigas, Vokietija.
6. Čapkauskaitė, E., Zubrienė, A., Baranauskienė, L., Manakova, E., Tamulaitienė, G., Kazokaitė, J., Kairys, V., Gražulis, S., Tumkevičius, S., Matulis D. „Design of [(2-pyrimidinylthio)acetyl]benzenesulfonamides as inhibitors of human carbonic anhydrases“. „The 9th International Conference on Carbonic Anhydrase (CA)“, 2012 04 11-15, Turkija, Antalija.
7. Petrikaitė, V., Kazlauskas E., Matulienė J., Matulis D. Development of Hsp90 inhibitors as anticancer compounds. „Animal Models and Their Value in Predicting Efficacy and Toxicity“, 2011 09 15-16, Niujorkas, JAV.
8. Čapkauskaitė, E. Synthesis of Benzenesulfonamides containing azaheterocyclic moieties. Paul Walden 7th Symposium on Organic Chemistry. 2011 09 12-13. Ryga, Latvija.
9. Zubrienė, A., Kazlauskas, E., Michailovienė, V., Matulis D. Towards intrinsic binding thermodynamics. 8th European Biophysics Congress. 2011 08 23- 27. Budapeštas, Vengrija.
10. Čapkauskaitė, E., Zubrienė, A., Baranauskienė, L., Tamulaitienė, G., Manakova, E., Gražulis, S., Tumkevičius, S., Matulis, D. Synthesis of pyrimidine derivatives as inhibitors of carbonic anhydrase. 23rd International Congress on Heterocyclic

Chemistry (IHC-23). 2011 07 31- 08 04. Glasgow, Didžioji Britanija.

11. Petrauskas, V., Matulis D. Empirical Model of Macromolecule – ligand Interaction. Ninth Triennial Congress of the world association of theoretical and computational chemist watoc 2011. 2011 07 16-22. Santiago de Compostela, Ispanija.
12. Petrikaitė, V., Kazlauskas, E., Matulienė, J., Matulis, D. Anticancer activity and Admet properties of resorcinol – bearing lead compounds. 47-oji Vaistų chemijos tarptautinė konferencija „Drug Discovery and Selection“. 2011 07 06-08. Lyon, Prancūzija.
13. Dudutienė, V, Zubrienė, A., Kairys, V., Matulis, D. Probing of the carbonic anhydrase isozyme active center cavities with inhibitor functional groups. Konferencija „Frontiers in Medicinal Chemistry“. 2011 06 19-21. Stokholmas, Švedija.
14. Petrauskas, V., Zubrienė, A., Kazlauskas, E., Baranauskienė, L., Matulis, D. Intrinsic Binding Parameters as a Necessity to Correlate Energetics with Structure. 19th Biennial Meeting of the International Society for Molecular Recognition. 2011 06 16-19. Tavira, Portugalija.
15. Jogaitė, V., Zubrienė, A., Gylytė, J., Michailovienė, V., Matulis, D. Inhibitors binding to Recombinant Human CAXII. „FEBS satellite CA meeting“. 2011 06 22-24. Montecatini, Italija.
16. Petrikaitė, V., Kazlauskas, E., Matulienė, J., Matulis, D. Rezorcinolio darinių priešvėžinis aktyvumas ir farmakokinetinių savybių tyrimas. „XV pasaulio lietuvių mokslo ir kūrybos simpoziumas“, 2011 07 03-05. Kaunas – Vilnius, Lietuva.
17. Petrikaitė V., Kazlauskas E., Matulienė J., Matulis D. Pharmacokinetics and toxicity of resorcinol-bearing lead compounds. “Frontiers in Medicinal Chemistry”, 2011 06 19-21, Stokholmas, Švedija.
18. Matulis, D. Carbonic anhydrase inhibitors as anticancer agents. 2010 06 16. Molėtai, Lietuva.
19. Maksimavičiūtė, E., Petrikaitė, V., Matulis, D. Thermodynamics of Ion Pair Formations in Proteins. COST TD0905. 2011 04 29-30 Splitas, Kroatija.
20. Čapkauskaitė, E., Zubrienė, A., Baranauskienė, L., Tumkevičius, S., Matulis, D. Pirimidino darnių, slopinančių karboanhidrazes, sintezė. Konferencija “Chemija”. 2011 04 27. Kaunas, Lietuva.
21. Petrikaitė, V., Kazlauskas, E., Zubrienė, A., Michailovienė, V., Matulienė, J., Matulis, D. Anticancer activity and ADME/Tox properties of resorcinol-bearing Hsp90 inhibitors. ADMET Europe, 2011 03 28-29, Munchenas, Vokietija.
22. Matulis, D. Struktūrinė biotermodinamika bei vaistinių medžiagų paieška. Molėtų astronomijos observatorija. 2010 07 26- 08 04. Molėtai, Lietuva.
23. Toleikis, Z., Cimmerman, P., and Matulis, D. Determination of The Volume Changes Induced by Ligand Binding to Hsp90 Using High Pressure Denaturation. The 6th International Conference on High Pressure Bioscience and Biotechnology (HPBB2010). 2010 08 28-09 01. Munchenas, Vokietija.
24. Petrauskas, V., Maksimavičiūtė, E., Matulis, D. Thermodynamics of Ion Pair Formations in Proteins. ESBES+ISPPP+ISB. 2010 09 05-08. Bolonija, Italija.
25. Zubriene, A., Kazlauskas, E., Chaleckis, R., Michailoviene, V., Matuliene, J., Matulis, D. Thermodynamics of radicicol binding to human Hsp90 alpha and beta isoforms. The 5th International Conference on The Hsp90 Chaperone Machine. 2010 09 29-10 03.

Les Diablerets, Šveicarija.

26. Petrikaitė, V., Kazlauskas, E., Zubrienė, A., Michailovienė, V., Matulienė, J., Matulis, D. Resorcinol - Bearing Hsp90 inhibitors as anticancer agents. COST Action TD09/05 Epigenetics - Bench to Bedside. 2010 11 22-25. Brno, Čekija.
27. Kazlauskas, E., Cikotienė, I., Matulienė, J., Zubrienė, A., Jachno, J., Torresan, J., Michailovienė, V., Petrikaite, V., Grinius, L., Matulis, D. Resorcinol class Hsp90 inhibitor binding thermodynamics and the effect on cancerous cells. The 4th International Conference on the Hsp90 Chaperone Machine, 2008 10 02-06 d. Bavarija, Vokietija.
28. S. Gražulis, L. Baranauskienė, E. Manakova, R. Sukackaitė, D. Golovenko, G. Tamulaitienė, D. Matulis. Novel thiadiazoles inhibitors of human carbonic anhydrases. 7th ScanBalt Forum & Biomaterial Days. 2008 09 24-26. Vilnius, Lietuva.
29. S. Gražulis, L. Baranauskienė, E. Manakova, R. Sukackaitė, D. Golovenko, G. Tamulaitienė, D. Matulis. Novel thiadiazoles inhibitors of human carbonic anhydrases. XXI Congress and General Assembly of the International Union of Crystallography. 2008 08 23-31. Osaka, Japonija.
30. Cimperman, P., Toleikis, Z., Matulis, D. A general model to describe protein thermal stabilization and destabilization by ligands. 2nd International Symposium on Biothermodynamics. 2008 02 21-22. Frankfurtas, Vokietija.
31. Matulis, D., and Todd, M. Thermodynamics of inhibitor binding to carbonic anhydrase by titration calorimetry and ThermoFluor®. Presented at the 16th Gibbs Conference on Biothermodynamics. 2002 09. Carbondale, JAV.
32. Matulis, D., and Todd, M. Thermodynamics of inhibitor binding to carbonic anhydrase by titration calorimetry and ThermoFluor®. Presented at the 57th Annual Calorimetry Conference. 2002 12. New Brunswick, JAV.
33. Matulis, D., Rouzina, I., and Bloomfield, V. Determination of hydrophobic interactions between long chain aliphatic hydrocarbons by titration calorimetry. Presented at the 46th Annual Meeting of the Biophysical Society. 2002 02. San Franciskas, JAV.
34. Matulis, D., Rouzina, I., and Bloomfield, V. Thermodynamics cationic lipid binding to DNA by titration calorimetry: the roles of electrostatics and hydrophobicity. Presented at the 45th Annual Meeting of the Biophysical Society. 2001 02. Bostonas, JAV.
35. Lovrien, R., Wu, C., and Matulis, D. Lectin and protease isolation from crude via coprecipitation matrix ligands. Presented at the American Chemical Society 219th National Meeting. 2000 03. San Franciskas, JAV.
36. Lovrien, R. and Matulis, D. Isolation of proteins from crudes: Matrix entanglement ligand basis. Presented at the American Chemical Society 219th National Meeting. 2000 03. San Franciskas, JAV.
37. Matulis, D., Rouzina, I., and Bloomfield, V. Thermodynamics of DNA binding and condensation: isothermal titration calorimetry and electrostatic mechanism. Presented at the 44th Annual Meeting of the Biophysical Society. 2000 02. Naujasis Orleanas, JAV.
38. Lovrien, R., Wu, C., and Matulis, D. Forces, energetics, topology of outer directed hydrophobicity in organic ligand-protein matrices. Presented at the 44th Annual Meeting of the Biophysical Society. 2000 02. Naujasis Orleanas, JAV.

39. Matulis, D., Rouzina, I., and Bloomfield, V. Thermodynamics of DNA binding and condensation: isothermal titration calorimetry and electrostatic mechanism. Presented at the Nucleic Acid Interest Group meeting. 1999 10.
40. Matulis, D., Rouzina, I., and Bloomfield, V. Thermodynamics of DNA binding and condensation: isothermal titration calorimetry and electrostatic mechanism. Presented at the 13th Annual Gibbs Conference on Biothermodynamics. 1999 10. Carbondale, USA.
41. Matulis, D., and Lovrien, R. Prediction of free energies and enthalpies of anionic aliphatic ligand binding to proteins based on experimental database and the enthalpy additivity principle. Presented at the 43rd Annual Meeting of the Biophysical Society. 1999 02. Baltimorè, USA.
42. Lovrien, R., and Matulis, D. Pushing agents, pulling agents in protein isolation. Presented at the 43rd Annual Meeting of the Biophysical Society. 1999 02. Baltimorè, JAV.
43. Matulis, D., and Lovrien, R. Thermodynamics of the organic and inorganic anion binding to the strongest site on bovine serum albumin. Presented at the 12th Annual Gibbs Conference on Biothermodynamics. 1998 10. Carbondale, JAV.
44. Matulis, D., and Lovrien, R. Protection of enzymes by aromatic sulfonates from inactivation by acid. Presented at the First International Conference on Protein Stabilization. 1998 06. Leeds, Didžioji Britanija.
45. Matulis, D., and Lovrien, R. ANS anion - protein binding primarily depends on ion pair formation. Presented at the 11th Annual Gibbs Conference on Biothermodynamics. 1997 10. Carbondale, JAV.
46. Matulis, D., and Lovrien, R. Alkane sulfates (SDS) bind to proteins by forming ion pairs with the positively charged amino acids. Presented at the 3rd International Conference on Lipid-Binding Proteins. 1997 05. Minneapolis, JAV.
47. Matulis, D., Wu, C., and Lovrien, R. Designing pushing, pulling, hybrid push-pull agents for protein precipitation. Presented at the 41st Annual Meeting of the Biophysical Society. 1997 02. Naujasis Orleanas, JAV.
48. Lovrien, R., and Matulis, D. Biophysical perspectives on protein precipitation-coprecipitation. Presented at the 40th Annual Meeting of the Biophysical Society. 1996 02. Baltimorè, JAV.
49. Lovrien, R. and Matulis, D. Hard and soft sulfate and sulfonate anions in protein precipitation-biorecognition. Presented at the 39th Annual Meeting of the Biophysical Society. 1995 02. San Franciskas, JAV.
50. Matulis, D., Meškys, R., and Rubikas, J. Removal of nickel from industrial effluents: an innovative process using the bacterial membrane transport system for nickel. Presented at the Fourth International Symposium on Biological Processing of Fossil Fuels. 1993 09. Alghero, Italija.
51. Matulis, D., Meškys, R., and Rubikas, J. Nickel uptake and efflux by bacterial cells. Presented at the International Symposium on Biological Processing of Fossil Fuel. 1991 09. Maskva, Rusija.

Moksliniai grantai:

1. VP1-3.1-ŠMM-07-K-009 Visuotinė dotacija „Atrankių karboanhidrazių slopiklių sintezė ir priešvėžinių savybių tyrimas“, vadovas Daumantas Matulis, (1 399 950 Lt). Vykdyto terminas 2012 09 02 – 2015 10 01.
2. LIG-09/2012 „Karboanhidrazės hCA XII, kaip vėžinių ląstelių žymens, diagnostinio potencialo įvertinimas“, vadovas Daumantas Matulis, (590 500 Lt). Vykdyto terminas 2012 05 02 – 2014 12 31.
3. Biofizikų draugijos „BPS Mini-Grant Networking Event“ grantas. Vadovas Daumantas Matulis, (1 300 Lt). Vykdyto terminas 2012 m.
4. Baltijos jūros regiono programos projektas "Baltic Sea Health Region 8 Business acceleration support and training bridging innovative SMEs and health care organisations to strengthen BSR health economy". (383 260 Lt). Lietuvos partnerio projekto vadovas Daumantas Matulis. Vykdyto terminas 2010 09 17 - 2013 12 16.
5. FP7-REGPOT-2009-1 MoBiLi "Strengthening and sustaining the european perspectives of Molecular Biotechnology in Lithuania". (5 524 480 Lt). Daumantas Matulis atsakingas už WP2 iš 6 darbo paketų. Vykdyto terminas 2009 12 - 2013 05.
6. LIG-16/2010 „Karboanhidrazių, kaip vėžinių ląstelių žymenų, diagnostinio potencialo įvertinimas“, vadovas Daumantas Matulis, (294 800 Lt). Vykdyto terminas 2010 09 – 2011 12.
7. COST TD0905 „Epigenetics: Bench to Bedside“. Vykdyto terminas 2009 – 2013 m.
8. COST TD 0804 „Chemical Biology with Natural Products“. Vykdyto terminas 2009 – 2013 m.
9. „Priešvėžinių junginių kūrimas struktūrinės biotermodinamikos metodais“, EEE-Norvegijos grantas, (1 950 959 Lt). Vykdyto terminas 2008 – 2010.
10. „Junginių, specifiskai slopinančių žmogaus karboanhidrazes, paieška biotechnologiniais metodais“, LVMSF prioritetinių krypčių rėmimo grantas, (1 249 913 Lt). Vykdyto terminas 2005 – 2009.
11. „Vaistų kūrimas struktūrinės biotermodinamikos metodais“, FP6 Marie Curie reintegracijos grantas, (276 224 Lt). Vykdyto terminas 2004 – 2006.