

Lista publikacji

- październik 2011

I. Prace oryginalne (rozdziały w książkach zbiorowych, artykuły w czasopismach):

1. Ferris H. U., **Dunin-Horkawicz S.**, Mondéjar L. G., Hulko M., Hantke K., Martin J., Schultz J. E., Zeth K., Lupas A. N., Coles M., 2011, ***The mechanisms of HAMP-mediated signaling in transmembrane receptors***, *Structure*. Mar 9 19(3): 378-85.
2. Alvarez B. H., Gruber M., Ursinus A., **Dunin-Horkawicz S.**, Lupas A. N., Zeth K., 2010, ***A transition from strong right-handed to canonical left-handed supercoiling in a conserved coiled-coil segment of trimeric autotransporter adhesins***, *J Struct Biol*. May 170(2): 236-45.
3. **Dunin-Horkawicz S.**, Lupas A. N., 2010, ***Measuring the conformational space of square four-helical bundles with the program samCC***, *J Struct Biol*. May 170(2): 226-35.
4. **Dunin-Horkawicz S.**, Lupas A. N., 2010, ***Comprehensive analysis of HAMP domains: implications for transmembrane signal transduction***, *J Mol Biol*. 2010 Apr 16 397(5): 1156-74.
5. Hartmann M. D., Ridderbusch O., Zeth K., Albrecht R., Testa O., Woolfson D. N., Sauer G., **Dunin-Horkawicz S.**, Lupas A. N., Alvarez B. H., 2009, ***A coiled-coil motif that sequesters ions to the hydrophobic core***, *Proc Natl Acad Sci U S A*. Oct 6 106(40): 16950-5.
6. Alva V., **Dunin-Horkawicz S.**, Habeck M., Coles M., Lupas A. N., 2009, ***The GD box: a widespread noncontiguous supersecondary structural element***, *Protein Sci*. Sep 18(9): 1961-6.
7. Serek-Heuberger J., Hobel C. F., **Dunin-Horkawicz S.**, Rockel B., Martin J., Lupas A. N., 2009, ***Two unique membrane-bound AAA proteins from Sulfolobus solfataricus***, *Biochem Soc Trans*. Feb 37(Pt 1): 118-22.
8. Czerwoniec A., **Dunin-Horkawicz S.**, Purta E., Kaminska K. H., Kasprzak J. M., Bujnicki J. M., Grosjean H., Rother K., 2009, ***MODOMICS: a database of RNA modification pathways. 2008 update***, *Nucleic Acids Res*. Jan 37: D118-21.
9. Tkaczuk K. L., **Dunin-Horkawicz S.**, Purta E., Bujnicki J. M., 2007, ***Structural and evolutionary bioinformatics of the SPOUT superfamily of methyltransferases***, *BMC Bioinformatics*. Mar 5(8): 73.
10. Purta E., van Vliet F., Tkaczuk K. L., **Dunin-Horkawicz S.**, Mori H., Droogmans L., Bujnicki J. M., 2006, ***The yfhQ gene of Escherichia coli encodes a tRNA:Cm32/Um32 methyltransferase***, *BMC Mol Biol*. Jul 18(7):23.
11. **Dunin-Horkawicz S.**, Feder M., Bujnicki J. M., 2006, ***Phylogenomic analysis of the GIY-YIG nuclease superfamily***, *BMC Genomics*. Apr 28(7): 98.
12. **Dunin-Horkawicz S.**, Czerwoniec A., Gajda M. J., Feder M., Grosjean H., Bujnicki J. M., 2006, ***MODOMICS: a database of RNA modification pathways***, *Nucleic Acids Res*. Jan 1(3): D145-9.