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**Education**

2002-2007                      PhD, Chemistry, Adam Mickiewicz University, Poznań, Poland  
1997-2002                      MSc, Chemistry, Adam Mickiewicz University, Poznań, Poland

**Employment**

2016 – present                Protein Crystallographer, Biosciences Division, Argonne National Laboratory  
2013 – 2016                    Assistant Protein Crystallographer, Biosciences Division, Argonne National  
Laboratory  
2010 – 2013                    Postdoctoral appointee at Midwest Center for Structural Genomics and  
Structural Biology Center, Biosciences Division, Argonne National  
Laboratory  
2009 – 2012                    Research associate at Faculty of Chemistry, Adam Mickiewicz  
University, Poznań, Poland (On the leave 2010-2012)  
2008 – 2009                    Research associate at Faculty of Chemistry, Adam Mickiewicz  
University, Poznań, Poland

**Honors and Awards**

2010                              START stipend, Foundation for Polish Science  
2008                              City of Poznań Young Scientist Scholarship  
2007                              MARRESEARCH poster prize at 24<sup>th</sup> European Crystallographic Meeting ECM24  
2006                              Award in the Polish Society of Experimental Plant Biology competition for the best  
experimental publication 2005-2006  
2005 – 2007                    Key personnel in the project “Crystallographic and biochemical studies of  
amidohydrolases” (No 2 P04A 040 29) funded by the Polish Ministry of Science  
and Higher Education (support for PhD project)  
2006                              Polish Biochemical Society J.K. Parnas' Prize  
2002                              MAXIMA CUM LAUDE diploma, Department of Chemistry, Adam Mickiewicz  
University

**Projects managed or directed**

2015 – 2016                    Co - Principal Investigator in the project “Structural studies of *Mycobacterium  
tuberculosis* tryptophan synthase and complexes with inhibitors”, funded by  
Structural Genomics Consortium (sponsored by the Bill & Melinda Gates  
Foundation)  
2014 – 2016                    Principal Investigator in the Laboratory Directed Research and Development  
project “Single cell structural genomics of uncultured sediment Archaea. On the trail  
for novel proteases” funded by Argonne National Laboratory  
2010 – 2013                    Principal Investigator in the grant „Plant hormones binding by PR-10 proteins” (N  
N301 003739) funded by the Polish Ministry of Science and Higher Education

## Other professional activities

- 2014 – present            Fellow, Computation Institute, University of Chicago, IL  
2013 – present            Member of Editorial Board for Structure Notes of the Journal of Structural and Functional Genomics  
2014 – present            Argonne's Summer Student Lecture Series presentations

Peer-reviewer for *Frontiers in Microbiology*, *Acta Crystallographica D*, *Acta Crystallographica F*, *Journal of Structural and Functional Genomics*, *Planta*, *Phytochemistry*

## Publications

### Refereed journal articles and book chapters

1. **Michalska K**, Gucinski GC, Garza-Sanchez, F, Johnson PJ, Stols L, Eschenfeldt WH, Babnigg G, Low DA, Goulding CW, Hayes CS, Joachimiak A, Structure of a novel antibacterial toxin that exploits elongation factor Tu to cleave specific transfer RNAs, *Nucleic Acids Res.* 2017 <https://doi.org/10.1093/nar/gkx700>
2. Wellington S, Nag PP, **Michalska K**, Johnston SE, Jedrzejczak RP, Kaushik VK, Clatworthy AE, Siddiqi N, McCarren P, Bajrami B, Maltseva NI, Combs S, Fisher SL, Joachimiak A, Schreiber SL, Hung DT, A small-molecule allosteric inhibitor of *Mycobacterium tuberculosis* tryptophan synthase *Nat Chem Biol.* 2017 Sep;13(9):943-950
3. Batot G, **Michalska K**, Ekberg G, Irimpan EM, Joachimiak G, Jedrzejczak R, Babnigg G, Hayes CS, Joachimiak A, Goulding CW. The CDI toxin of *Yersinia kristensenii* is a novel bacterial member of the RNase A superfamily. *Nucleic Acids Res.* 2017 May 19;45(9):5013-5025.
4. Juárez-Vázquez AL, Edirisinghe JN, Verduzco-Castro EA, **Michalska K**, Wu C, Noda-García L, Babnigg G, Endres M, Medina-Ruiz S, Santoyo-Flores J, Carrillo-Tripp M, Ton-That H, Joachimiak A, Henry CS, Barona-Gómez F. Evolution of substrate specificity in a retained enzyme driven by gene loss. *Elife.* 2017 Mar 31;6. pii: e22679.
5. Urbanus ML, Quaille AT, Stogios PJ, Morar M, Rao C, Di Leo R, Evdokimova E, Lam M, Oatway C, Cuff ME, Osipiuk J, **Michalska K**, Nocek BP, Taipale M, Savchenko A, Ensminger AW. Diverse mechanisms of metaeffector activity in an intracellular bacterial pathogen, *Legionella pneumophila*. *Mol Syst Biol* 2016 Dec 16;12(12):893.
6. Verduzco-Castro EA, **Michalska K**, Endres M, Juárez-Vázquez AL, Noda-García L, Chang C, Henry CS, Babnigg G, Joachimiak A & Barona-Gómez F. (2016), Co-occurrence of analogous enzymes determines evolution of a novel ( $\beta/\alpha$ )<sub>8</sub>-isomerase sub-family after non-conserved mutations in flexible loop. *Biochem J* 2016 May 1;473(9):1141-52.
7. Śliwiak J, Dolot R, **Michalska K**, Szpotkowski K, Bujacz G, Sikorski M & Jaskolski M. (2016) Crystallographic and CD probing of ligand-induced conformational changes in a plant PR-10 protein, *J Struct Biol*, Jan;193(1):55-66
8. **Michalska K**, Tan K, Chang C, Li H, Hatzos-Skintges C, Molitsky M, Alkire R, Joachimiak A. (2015) In situ X-ray data collection and structure phasing of protein crystals at Structural Biology Center 19-ID. *J Synchrotron Radiat.* Nov;22(Pt 6):1386-95.
9. Singh S, **Michalska K**, Bigelow L, Endres M, Kharel MK, Babnigg G, Yennamalli RM, Bingman CA, Joachimiak A, Thorson JS, et al. (2015) Structural characterization of CalS8, a TDP- $\alpha$ -D-glucose dehydrogenase involved in calicheamicin aminodideoxypentose biosynthesis. *J Biol Chem.* Aug 3. Oct 23;290(43):26249-58
10. Weerth RS, **Michalska K**, Bingman CA, Yennamalli RM, Li H, Jedrzejczak R, Wang F, Babnigg G, Joachimiak A, Thomas MG, et al. (2015) Structure of a cupin protein Plu4264 from *Photobacterium luminescens* subsp. *laumondii* TTO1 at 1.35 Å resolution. *Proteins* **83**, 383-388.
11. **Michalska K**, Steen AD, Chhor G, Endres M, Webber AT, Bird J, Lloyd KG & Joachimiak A

- (2015) New aminopeptidase from "microbial dark matter" archaeon. *FASEB J*. Sep;29(9):4071-9.
12. Tan K, Kim Y, Hatzos-Skintges C, Chang C, Cuff M, Chhor G, Osipiuk J, **Michalska K**, Nocek B, An H, et al. (2014) Salvage of failed protein targets by reductive alkylation. *Methods Mol Biol* **1140**, 189-200.
  13. **Michalska K**, Chhor G, Clancy S, Jedrzejczak R, Babnigg G, Winans SC & Joachimiak A (2014) RsaM: a transcriptional regulator of Burkholderia spp. with novel fold. *FEBS J* **281**, 4293-4306.
  14. Eletsky A, **Michalska K**, Houlston S, Zhang Q, Daily MD, Xu X, Cui H, Yee A, Lemak A, Wu B, et al. (2014) Structural and functional characterization of DUF1471 domains of Salmonella proteins SrfN, YdgH/SssB, and YahO. *PLoS One* **9**, e101787.
  15. **Michalska K**, Tan K, Li H, Hatzos-Skintges C, Bearden J, Babnigg G & Joachimiak A (2013) GH1-family 6-P-beta-glucosidases from human microbiome lactic acid bacteria. *Acta Crystallogr, Sect D: Biol Crystallogr* **69**, 451-463.
  16. **Michalska K**, Brown RN, Li H, Jedrzejczak R, Niemann GS, Heffron F, Cort JR, Adkins JN, Babnigg G & Joachimiak A (2013) New sub-family of lysozyme-like proteins shows no catalytic activity: crystallographic and biochemical study of STM3605 protein from Salmonella Typhimurium. *J Struct Funct Genomics* **14**, 1-10.
  17. Fernandes H, **Michalska K**, Sikorski M & Jaskolski M (2013) Structural and functional aspects of PR-10 proteins. *FEBS J* **280**, 1169-1199.
  18. **Michalska K**, Chang C, Mack JC, Zerbs S, Joachimiak A & Collart FR (2012) Characterization of transport proteins for aromatic compounds derived from lignin: benzoate derivative binding proteins. *J Mol Biol* **423**, 555-575.
  19. Drozdal P, **Michalska K**, Kierzek R, Lomozik L & Jaskolski M (2012) Structure of an RNA/DNA dodecamer corresponding to the HIV-1 polypurine tract at 1.6 Å resolution. *Acta Crystallogr, Sect D: Biol Crystallogr* **68**, 169-175.
  20. **Michalska K** & Jaskolski M (2012), Isoaspartyl aminopeptidase (threonine type). In *The Handbook of Proteolytic Enzymes*, third edition, N.D. Rawlings & G. Salvesen, eds. Elsevier.
  21. **Michalska K**, Cuff ME, Tesar C, Feldmann B & Joachimiak A (2011) Structure of 2-oxo-3-deoxygalactonate kinase from Klebsiella pneumoniae. *Acta Crystallogr, Sect D: Biol Crystallogr* **67**, 678-689.
  22. Krysztafowych A, Moulton J, Bartual SG, Bazan JF, Berman H, Casteel DE, Christodoulou E, Everett JK, Hausmann J, Heidebrecht T, Hills T, Hui R, Hunt JF, Seetharaman J, Joachimiak A, Kennedy MA, Kim C, Lingel A, **Michalska K**, et al. (2011) Target highlights in CASP9: Experimental target structures for the critical assessment of techniques for protein structure prediction. *Proteins* **79 Suppl 10**, 6-20.
  23. **Michalska K**, Fernandes H, Sikorski M & Jaskolski M (2010) Crystal structure of Hyp-1, a St. John's wort protein implicated in the biosynthesis of hypericin. *J Struct Biol* **169**, 161-171.
  24. Kolodziejczyk R, **Michalska K**, Hernandez-Santoyo A, Wahlbom M, Grubb A & Jaskolski M (2010) Crystal structure of human cystatin C stabilized against amyloid formation. *FEBS J* **277**, 1726-1737.
  25. **Michalska K**, Hernandez-Santoyo A & Jaskolski M (2008) The mechanism of autocatalytic activation of plant-type L-asparaginases. *J Biol Chem* **283**, 13388-13397.
  26. **Michalska K**, Borek D, Hernandez-Santoyo A & Jaskolski M (2008) Crystal packing of plant-type L-asparaginase from Escherichia coli. *Acta Crystallogr, Sect D: Biol Crystallogr* **64**, 309-320.
  27. **Michalska K** & Jaskolski M (2006) Structural aspects of L-asparaginases, their friends and relations. *Acta Biochim Pol* **53**, 627-640.
  28. **Michalska K**, Bujacz G & Jaskolski M (2006) Crystal structure of plant asparaginase. *J Mol Biol* **360**, 105-116.
  29. **Michalska K**, Brzezinski K & Jaskolski M (2005) Crystal structure of isoaspartyl aminopeptidase in complex with L-aspartate. *J Biol Chem* **280**, 28484-28491.
  30. Borek D, **Michalska K**, Brzezinski K, Kisiel A, Podkowinski J, Bonthron DT, Krowarsch D,

Otlewski J & Jaskolski M (2004) Expression, purification and catalytic activity of *Lupinus luteus* asparagine beta-amidohydrolase and its *Escherichia coli* homolog. *European Journal of Biochemistry / FEBS* **271**, 3215-3226.

### Other publications

#### Structures deposited in the Protein Data Bank

2GEZ, 2ZAK, 2ZAL, 3C17, 3GAX, 3IE5, 3OJ0, 3OLO, 3ON4, 3OP9, 3OPC, 3QOK, 3QOM, 3QOO, 3QSG, 3QSJ, 3R1X, 3RHT, 3RMQ, 3RMS, 3RRI, 3RXY, 3RXZ, 3SHO, 3SSF, 3TP9, 3TTG, 3U2R, 4DIM, 4EVQ, 4EVR, 4EVS, 4EVU, 4EVX, 4F66, 4F79, 4FB7, 4GB5, 4GBJ, 4GPN, 4GYT, 4GZE, 4H3T, 4H3V, 4H7L, 4HFV, 4HN9, 4I66, 4MV2, 4MVE, 4NNQ, 4O2H, 4PF1, 4Q29, 4RYV, 4TX9, 4W9T, 4WD0, 4WUI, 4X2R, 4X9S, 4XEA, 4XED, 4XR9, 4XRR, 4Y31, 4YCS, 4ZNM, 4ZXW, 5CQF, 5DS0, 5DU2, 5E3E, 5FFP, 5HKQ, 5T87, 5T86, 5I4Q, 5I4R, 5JH8, 5KCK, 5KIN, 5KZM, 5TCF, 5TCG, 5TCH, 5TCI, 5TCJ, 5TGN, 5TJJ, 5TTX, 5U63, 6AZY

### Invited talks

1. **K. Michalska** (2017) Tryptophan synthase as a drug target for infectious diseases, Dept. of Biophysics, UT Southwestern Medical Center seminar, Aug 18.
2. **K. Michalska** (2016) M. tuberculosis tryptophan synthase and its inhibitors, SDDC Meeting, Montreal, Canada, June 21-22.
3. **K. Michalska** (2016), Structural Biology Center developments for in situ and in cellulo X-ray data collection, APS User Meeting Workshop on Advances in In Situ and Serial Biological Crystallography, Argonne, May 10.
4. **K. Michalska** (2015) Microbial degradation of biopolymers – structural biology insights, seminar at Dept. of Microbiology, Univ. of Tennessee, Knoxville, October 19.
5. **K. Michalska**, (2015) Solute-binding proteins recognizing products of lignin degradation. Multi-Pole Approach to Structural Science, Warsaw, Poland, May 10 – 13.

### Other talks

6. **K. Michalska**, (2017) Structural Insight into Allosteric Inhibition of *Mycobacterium tuberculosis* Tryptophan Synthase, ASBMB Annual Meeting, Chicago, USA, April 22-26.
7. **K. Michalska**, (2017) Proteolytic Enzymes from Ocean Sediments Archaea, Laboratory-Directed Research and Development Seminar Series, Aug 29.
8. **K. Michalska**, C. Chang, J.C. Mack, S. Zerbs, A. Joachimiak, F.R. Collart (2012), Binding profiles and crystal structures of solute-binding proteins for transport of aromatic products of lignin degradation: benzoate derivative binding proteins. 4th Annual Argonne Soil Metagenomics Meeting, Bloomingdale, USA, October 3–5.
9. **K. Michalska**, M. Jaskolski (2005), Structure and function of asparagine amidohydrolases. Science and Art in Europe: Symposium on structure and function of RNA and proteins. Berlin, Germany, May 22-25.
10. **K. Michalska**, G. Bujacz, M. Jaskolski (2004), Crystal structure of plant asparaginase. HEC-7, 7<sup>th</sup> Heart of Europe Bio-Crystallography Meeting, Krzyzowa, Poland, September 30-October 2.
11. **K. Michalska**, M. Jaskolski (2004), First glimpses of the structure of plant asparaginase. 1<sup>st</sup> Baltic Sea BioCrystallography Meeting, Luebeck, Germany, September 2-4.
12. **K. Michalska**, K. Brzezinski, M. Jaskolski (2004), Crystal structure of *Escherichia coli* isoaspartyl aminopeptidase in complex with L-aspartate. 46<sup>th</sup> Polish Crystallographic Meeting, Wrocław, Poland, June 24-25.
13. **K. Michalska**, K. Brzezinski, M. Jaskolski (2003), Crystal structure of *Escherichia coli*

isoaspartyl aminopeptidase in complex with L-aspartate. HEC-6, 6<sup>th</sup> Heart of Europe Bio-Crystallography Meeting, Wittenberg, Germany, September 25-27.

### **Other conference presentations**

14. S. Wellington, P. Nag, **K. Michalska**, S.E. Johnston, S.L. Fisher, A. Joachimiak, S.L. Schreiber, D.T. Hung (2017) Identification of a Specific, Allosteric Small-Molecule Inhibitor of Mycobacterium tuberculosis Tryptophan Synthase. Tuberculosis Drug Discovery & Development Gordon Research Conference. Barga LU, Italy, June 25-30.
15. **K. Michalska**, S. Wellington, P. Nag, R. Jedrzejczak, N.I. Maltseva, S.L. Fisher, S.L. Schreiber, D.T. Hung, A. Joachimiak (2017) Structural Insight into Allosteric Inhibition of Mycobacterium tuberculosis Tryptophan Synthase, American Crystallographic Association Annual Meeting, New Orleans, May 26-30.
16. **K. Michalska**, S. Wellington, P. Nag, R. Jedrzejczak, N.I. Maltseva, S.L. Fisher, S.L. Schreiber, D.T. Hung, A. Joachimiak (2017) Structural Insight into Allosteric Inhibition of Mycobacterium tuberculosis Tryptophan Synthase, Understanding Biology Through Structure, Santa Fe, USA, May 13-16.
17. G. Batot, P. Johnson, G. Ekberg, **K. Michalska**, A. Joachimiak A Hayes CS, Goulding CW. Structural diversity of toxin and immunity protein complexes from bacterial contact-dependent growth inhibition (CDI) systems, Understanding Biology Through Structure, Santa Fe, USA, May 13-16.
18. **K. Michalska**, S. Wellington, P. Nag, R. Jedrzejczak, N.I. Maltseva, S.L. Fisher, S.L. Schreiber, D.T. Hung, A. Joachimiak (2017) Structural Insight into Allosteric Inhibition of Mycobacterium tuberculosis Tryptophan Synthase, ASBMB Annual Meeting, Chicago, USA, April 22-26
19. **K. Michalska**, L. Bigelow, M. Endres, A. Joachimiak (2015) Three-dimensional domain swapping in the  $\alpha$  subunit of tryptophan synthase. ASBMB 2015 Annual Meeting, Boston, MA, USA, March 28–April 1.
20. **K. Michalska**, A. Steen, G. Chhor, K. Fayman, M. Endres, G. Babnigg, K. Lloyd, R. Jedrzejczak, A. Joachimiak, (2014) Structure and specificity of novel aminopeptidase from marine sediment Archaea. 23rd Congress and General Assembly of the International Union of Crystallography, Montreal, Canada, August 5-13.
21. A. Steen, **K. Michalska**, G. Chhor, M. Endres, J. Vazin, K. Lloyd, S. Wilhelm, A. Joachimiak, (2014) Strategies to assess the biochemical properties of extracellular hydrolases in aquatic environments. Goldschmidt2014 conference, Sacramento, CA, USA, June 8- 13.
22. **K. Michalska**, A. Steen, G. Chhor, K. Fayman, M. Endres, G. Babnigg, K. Lloyd, R. Jedrzejczak, A. Joachimiak (2014), Structural genomics of sedimentary Archaea in postgenomic era. DOE Joint Genome Institute 9th Annual Genomics of Energy & Environment Meeting, Walnut Creek, CA, USA, March 18-20.
23. **K. Michalska**, A. Steen, G. Chhor, K. Fayman, M. Endres, G. Babnigg, K. Lloyd, R. Jedrzejczak, A. Joachimiak (2013), Discovery of Proteins from “Microbial Dark Matter”, NIH Structural Biology Horizons Workshop, Bethesda, USA, December 9-10.
24. R. Jedrzejczak, G. Babnigg, W. Eschenfeldt, L. Stols, **K. Michalska**, A. Joachimiak (2012), High-throughput ligation independent cloning of protein-protein complexes. PSI: Biology Technologies Workshop, Bethesda, USA, December 12.
25. **K. Michalska**, K. Tan, H. Li, C. Hatzos-Skintges, J. Bearden, G. Babnigg, A. Joachimiak (2012), Recognition of lignin degradation products by ABC transporters. 26th Annual Symposium of The Protein Society, San Diego, USA, August 5-8.
26. A. Joachimiak, K. Tan, **K. Michalska**, G. Babnigg (2012), Structures of glycoside hydrolases from human gut microbiome, High-Throughput Structural Biology, Keystone, USA, January 22-27.
27. A. Joachimiak, K. Tan, **K. Michalska**, G. Babnigg (2011), Structures of glycoside hydrolases from human gut microbiome, XXII IUCr Congress, Madrid, Spain, August 22-29.

28. **K. Michalska**, K. Tan, C. Hatzos-Skintges, H. Li, J. Bearden, A. Joachimiak (2011), Crystallographic studies of 6-P- $\beta$ -glucosidases from lactic acid bacteria. 25th Anniversary Symposium of The Protein Society, Boston, USA, July 22-27.
29. G. Babnigg, K. Tan, C. Chang, **K. Michalska**, M. Cuff, A. Joachimiak (2011), Structural studies of proteins overrepresented in the human gut microbiome. International Human Microbiome Congress, Hyatt Regency Vancouver, USA, March 9-11.
30. **K. Michalska**, H. Fernandes, M. Sikorski, M. Jaskolski (2009), Crystal structure of Hyp-1, a putative enzyme from St John's wort involved in the biosynthesis of hypericin. 44<sup>th</sup> Annual Meeting of the Polish Biochemical Society, Lodz, Poland, September 16-19.
31. M. Jaskolski, **K. Michalska**, R. Kolodziejczyk, A. Hernandez-Santoyo, M. Wahlbom, A. Grubb (2008), Structure of monomeric human cystatin C stabilized against 3D domain swapping and amyloid aggregation. The Congress of Biochemistry and Cell Biology, Olsztyn, Poland, September 7-11.
32. M. Jaskolski, **K. Michalska** (2008), L-Asparaginases, their friends and relations. 17<sup>th</sup> Slovenian Croatian Crystallographic Meeting, Ptuj, Slovenia, June 19-22.
33. M. Jaskolski, A. Hernandez-Santoyo, **K. Michalska**, M. Wahlbom, A. Grubb (2007), Crystal structure of human cystatin C stabilized against 3D domain swapping. Cerebral Amyloid Angiopathy – emerging concepts. Reykjavik, Iceland, August 8-11.
34. M. Bejger, J. Kulej, **K. Michalska**, M. Sikorski, M. Jaskolski (2007), Mutagenesis and expression of an active-site mutant of yellow lupine L-asparaginase. XLII<sup>th</sup> Annual Meeting of the Polish Biochemical Society, Szczecin, Poland, September 18-21.
35. **K. Michalska**, A. Hernandez-Santoyo, M. Jaskolski (2007), Crystallographic studies of an active-site mutant of plant-type L-asparaginase, 24<sup>th</sup> European Crystallographic Meeting, Marrakech, Morocco, August 22-27.
36. **K. Michalska**, R. Janowski, R. Kolodziejczyk, M. Wahlbom, A. Grubb, M. Jaskolski (2007), Cysteine mutations as a tool for controlling domain swapping of human cystatin C. Cerebral Amyloid Angiopathy – emerging concepts. Reykjavik, Iceland, August 8-11.
37. **K. Michalska**, G. Bujacz, M. Jaskolski (2006), Crystal structure of plant asparaginase. XLI<sup>th</sup> Annual Meeting of the Polish Biochemical Society, Białystok, Poland, 12-15 September.
38. **K. Michalska**, G. Bujacz, M. Jaskolski (2006), Crystal structure of plant asparaginase. 23<sup>rd</sup> European Crystallographic Meeting, Leuven, Belgium, 6 August -11.
39. M. Jaskolski, **K. Michalska** (2006), L-Asparaginases, their friends and relations. Parnas Lecture, XLI<sup>th</sup> Annual Meeting of the Polish Biochemical Society, Białystok, Poland, September 12-15.
40. M. Jaskolski, **K. Michalska** (2006), Hydrolysis at the side chain of asparagine. Chemistry towards Biology, Cracow, Poland, September 8-12.
41. M. Jaskolski, **K. Michalska**, G. Bujacz (2006), Plant L-asparaginase and its relation to human and bacterial cousins. ACA Annual Meeting, Honolulu, Hawaii, USA, July 22-27.
42. **K. Michalska**, M. Jaskolski (2005), Crystal structure of plant asparaginase/isoaspartyl aminopeptidase. 47<sup>th</sup> Polish Crystallographic Meeting, Wrocław, Poland, June 30-July 1.
43. D. Borek, J. Podkowinski, **K. Michalska**, M. Jaskolski (2000), Biochemical and crystallographic studies of *L. luteus* asparaginase. Molecular Architecture of Evolution: Primary and Secondary Determinants, Poznan, Poland, October 29-31.