

Eva Budinska

PERSONAL INFORMATION	Date of birth	11.02.1981
	Place of birth	Martin, Slovak Republic
	Citizenship	slovak
CONTACT INFORMATION	Institute of Biostatistics and Analyses	+42 0 549 493 929
	Masaryk University, Kamenice 126/3	budinska@iba.muni.cz
	Brno, Czech Republic	http://www.iba.muni.cz/~budinska
RESEARCH INTERESTS	Analysis of biological and medical data, high density data analysis: arrayCGH, microRNA, meta-analysis, expression microarrays, SELDI-TOF mass spectrometry	
EDUCATION	Masaryk University, Institute of Biostatistics and Analyses , Brno, Czech Republic	
	Ph.D. Oncology	
	<ul style="list-style-type: none">• Dissertation topic: <i>Biomathematical modeling of tumor genome profiling data</i>• December 2008• Supervisor: Prof. Ladislav Dusek, Ph.D.• Co-supervisor: Prof. Michael G. Schimek, Ph.D.	
	Masaryk University , Brno, Czech Republic	
	M.Sc. Computational biology	
	<ul style="list-style-type: none">• Dissertation topic: <i>Statistical approach to molecular cytogenetic analysis of genetic pathological states</i>• April 2004• Advisor: Assoc.prof. Petr Kuglik, Ph.D.	
FELLOWSHIPS	February 2006 - May 2006	Statistics and Genome team, Applied Mathematics and Informatics Department, INA-PG, Paris, France
	<ul style="list-style-type: none">• Goal of intership: <i>Development and implementation of a method for multipatient segmentation problem of CGH array data.</i>	
PROFESSIONAL EXPERIENCE	since 2009 Leader of Center for Integration and Analysis of Genomic and Proteomic Data	
	<ul style="list-style-type: none">• Joint Unit of Masaryk Memorial Cancer Institute and IBA MU, Brno, Czech Republic	
	2004-2008 Research scientist	
	<ul style="list-style-type: none">• IBA - Institute of Biostatistics and Analyses, Brno, Czech Republic	
SKILLS	<ul style="list-style-type: none">• Environments: Unix, Windows NT• Programming: R, HTML• Statistical analysis: R + Bioconductor, SPSS + Clementine, STATISTICA• Image analysis: ScanArray, GenePix• Other: LaTeX• Languages: French - fluently, English - fluently, Czech - fluently, Slovak - native	
REFEREES	<i>Available on request.</i>	

Greplova K., Pilny R., **Budinska E.**, Dubska L., Lakomy R., Vyzula R., Vojtesek B., Valik D. (2009) *When one chip is not enough: Augmenting the validity of SELDI-TOF proteomic profiles of clinical specimens.* Lab Chip. 9(7):1014-7

Methods on microarray analysis

Budinska,E., Gelnarova,E. Schimek,M.G. (2008) *MSMAD: A computationally efficient method for the analysis of noisy array CGH data.* Bioinformatics 25(6):703-13

Picard,F., Lebarbier,E., **Budinska,E.**, Radvanyi,F. and Robin,S. (2008) *A statistical framework for the joint segmentation of multiple array CGH profiles.* Under review.

Budinska E., Schimek M.G. (2008) *State of the art in the analysis of data from arrayCGH experiments.* In Proceedings of 4th International Summer School on Computational Biology. Brno: Masaryk University.

Ihnatova,I., **Budinska, E.** (2008) *Methods of meta-analysis of microarrays.* In Proceedings of 4th International Summer School on Computational Biology. Brno: Masaryk University. In press.

Applied analysis

Matiasovicova,J, Adams,P., Barrow,P.A., Hradecka,H., Malcova,M., Karpiskova,R., **Budinska,E.**, Pilousova,L. (2007) *Identification of putative ancestors of the multidrug-resistant Salmonella enterica serovar typhimurium DT104 clone harboring the Salmonella genomic island 1.* Archives of microbiology, 187, 415-424.

Sebkova,A., Karasova,D., Crhanova,M., **Budinska,E.**, Rychlik,I. (2008) *aro mutations in Salmonella enterica cause defects in cell wall and outer membrane integrity.* Journal of Bacteriology, American Society for Microbiology, May 2008, 190, 3155-3160.

Brozkova,K, **Budinska,E.**, Bouchal,P., Hernychova,L., Knoflickova,D., Valik,D., Vyzula,R., Vojtesek,B., Nenutil,R.(2008) *Surface-enhanced laser desorption/ionization time-of-flight proteomic profiling of breast carcinomas identifies clinicopathologically relevant groups of patients similar to previously defined clusters from cDNA expression.* Breast Cancer Research, 10:R48

Vranov,V., Neesalov,E., Kuglk,P., Cejpek,P., Pekov,M., **Budinsk,E.**, Relichov,J., Veselsk,R. (2007) *Screening of genomic imbalances in glioblastoma multiforme using high-resolution comparative genomic hybridization.* Oncology Reports, 17, 457-464.