

CURRICULUM VITAE

PERSONAL INFORMATION

Surname/First name Stafa Anamarija
Date of birth 15.08.1979.
Place of birth Zagreb
Nationality Croatian
Business address Laboratory for Biology and Microbial Genetics, Department of Biochemical Engineering, Faculty of Food Technology and Biotechnology, University of Zagreb, Pierottijeva 6, 10000 Zagreb, Croatia
Telephone 00385 1 48 36 013
Fax 00385 1 48 36 016
E-mail astafa@pbf.hr

EDUCATION

20.02.2004.-03.11.2009 doctoral student of Molecular and Cellular Biology, Faculty of Science, University of Zagreb, Doctoral Thesis: "Genetic side effects during gene replacement in the yeast *Saccharomyces cerevisiae*" (Mentor: Prof Z. Zgaga, Dr.)
01.07.1996.-10.10.2003 B.Sc. of Biotechnology, Faculty of Food Technology and Biotechnology, University of Zagreb; B.Sc. Thesis: "Transformation of the yeast *Saccharomyces cerevisiae* strain FFmre11 by integrative plasmids with short terminal heterologies" (Mentor: Prof Z. Zgaga, Dr.)

COURSES:

12.-19.08.2007. EURYI@MedILS Symposium, MedILS, Split, Croatia
25.-29.06.2007. Practical Course "Bioinformatics: Computer Methods in Molecular Biology" ICGEB, Trieste, Italy
02.-05.04.2007. Theoretical Course "RNA structure and function", ICGEB, Trieste, Italy
30.07.-11.08.2006. "Creating Interdisciplinary Research projects", MedILS, Split, Croatia
05-07. 07.2004. "Introduction to bioinformatics", Zagreb, Croatia
27.-29. 05.2002. "Promega Technical Training", Promega GmbH, Mannheim, Germany

FOREIGN LANGUAGES

English good knowledge
German intermediate knowledge
French basic knowledge

WORK EXPERIENCE

01.01.2007.-present researcher on scientific project "Palindromes in the genomes and mechanisms of gene targeting in yeast" funded by Croatian Ministry of Science, Education and Sports (Project leader Prof Z. Zgaga, Dr.)
01.12.2003.-31.12.2006. researcher on scientific project "Recombination mechanisms in the yeast *Saccharomyces cerevisiae*" funded by Croatian Ministry of Science, Education and Sports (Project leader Prof Z. Zgaga, Dr.)

TEACHING ACTIVITIES

01.01.2007.–present teaching assistant-laboratory courses on "Molecular Genetics" and "Genetic Engineering", Faculty of Food Technology and Biotechnology, University of Zagreb

RESEARCH INTEREST

Molecular genetics of the yeast *Saccharomyces cerevisiae*:

- mechanisms of the genetic recombination
- yeast transformation and gene targeting

Aging

PUBLISHED PAPERS:

1. Lisnic, B., Svetec, I.-K., Stafa, A., Zgaga, Z. (2009) Size-dependent palindrome-induced intrachromosomal recombination in yeast. *DNA repair*. **8(3)**:383-389
2. Svetec, I.-K., Stafa A., Zgaga Z. (2007). Genetic side effects accompanying gene targeting in yeast: the influence of short heterologous termini. *Yeast* **24(8)**:637-652.
3. Stafa, A., Svetec I.-K. Zgaga Z. (2005). Inactivation of the *SGS1* and *EXO1* genes synergistically stimulates plasmid integration in yeast. *Food. Technol. Biotechnol.* **43**: 103-108.

CONFERENCES:

1. Stafa, A.; Miklenic, M.; Lisnic, B.; Svetec, I.-K.; Zgaga, Z. The efficiency of gene replacement in yeast is allele-specific // EMBO Young Scientist Forum. Zagreb, Croatia 2009.
2. Lisnic, B.; Svetec, I.-K.; Stafa, A.; Zgaga, Z. Recombinogenic potential of palindromic sequences is determined by their size and position in the yeast genome // 50 Years of Molecular Biology in Croatia / Zahradka, K.; Plohl, M.; Ambriovic-Ristov, A. (ed.). Zagreb:Croatia, 2008. 14-14.
3. Stafa, A.; Miklenic, M.; Lisnic, B.; Svetec, I.-K.; Zgaga, Z. Targeted chromosome duplication as a side-effect of gene targeting in yeast // 50 Years of Molecular Biology in Croatia / Zahradka, K.; Plohl, M.; Ambriovic-Ristov, A. (ed.).Zagreb Croatia, 2008. 58-58.
4. Stafa A., Miklenic M., Svetec I.-K., Lisnic B., Zgaga Z. Genetic duplications as a side-effect of targeted gene replacement in yeast // Book of abstracts of 38th Annual Meeting of European Environmental Mutagen Society / Franekic-Colic J., Garaj-Vrhovac, V. (ed.) Cavtat, Croatia 2008.
5. Lisnic, B., Svetec., I.-K., Stafa A., Zgaga Z. Critical size for palindrome induced intrachromosomal recombination in yeast // Book of abstracts of 38th Annual Meeting of European Environmental Mutagen Society / Franekic-Colic J., Garaj-Vrhovac, V. (ed.) Cavtat, Croatia 2008.
6. Svetec I.-K., Stafa A., Zgaga Z. Genetic duplications as a side-effect of gene replacement in yeast // Book of abstracts of ESF-EMBO Symposium on Comparative Genomics of Eukaryotic Microorganisms: Eukaryotic Genome Evolution / Sant Feliu de Guixols, Spain, 2007.
7. Zgaga Z., Stafa A., Lisnic B., Beneti L., Svetec I.-K. Ends-out recombination as a source of genetic duplications in Yeast // Book of abstracts of Central European Symposium on Industrial Microbiology and Microbial Ecology / Kosalec, I., Pigac J., Vujaklija D.,(ed.). Zagreb Croatia, 2007.
8. Lisnic, B.; Svetec, I.-K.; Stafa, A.; Zgaga, Z. Palindromes in prokaryotic genomes // Book of abstracts of The Congress of the Croatian Society of Biochemistry and Molecular Biology on the occasion of the 30th Anniversary / Kovarik, Z. (ed.). Zagreb, Croatia 2006.
9. Stafa, A.; Lisnic, B.; Svetec, I.-K.; Zgaga, Z. Inactivation of the *SGS1* and *EXO1* genes synergistically stimulates the efficiencies of yeast transformation // Book Of Abstracts Of The Second Congress Of Croatian Geneticists / Franekic Colic, J.; Ugarkovic, D. (ed.). Zagreb, Croatia 2005.
10. Lisnic, B.; Stafa, A.; Svetec, I.-K.; Zgaga, Z. Palindromic sequences in the *Saccharomyces cerevisiae* genome // Book Of Abstracts Of The Second Congress Of Croatian Geneticists / Franekic Colic, J.; Ugarkovic, D. (ed.). Zagreb, Croatia, 2005.

AWARDS:

- 2007. "Outstanding poster presentation" award ESF-EMBO Symposium on Comparative Genomics of Eukaryotic Microorganisms: Eukaryotic Genome Evolution
- 2003. Rector's award for the best student research (Mentor: Prof. Z. Zgaga Dr.)

Anamarija Stafa Dr.