

LIST OF PUBLICATIONS, Ada Yonath

May 2003

1. A. Bashan, R. Zarivach, F. Schluenzen, I. Agmon, J. Harms, T. Auerbach, D. Baram, R. Berisio, H. Bartels, H. A.S. Hansen, P. Fucini, D. Wilson, M. Peretz, M. Kessler and A. Yonath, **Ribosomal crystallography: peptide bond formation and its inhibition**, *Biopolymers*, in the press (2003)
2. R. Berisio, J. Harms, F. Schluenzen, R. Zarivach, H. A.S. Hansen, P. Fucini and A. Yonath, **Structural insight into the antibiotic action of telithromycin on resistant mutants**, *J. Bacteriol*, in the press (2003)
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4. R. Berisio, F. Schluenzen, J. Harms, A. Bashan, T. Auerbach, D. Baram and A. Yonath, **Structural insight into the role of the ribosomal tunnel in cellular regulation**, *Nat Struct Biol*, 10, 366-70 (2003)
5. E. Ben-Zeev, R. Zarivach, M. Shoham, A. Yonath and M. Eisenstein, **Prediction of the structure of the complex between the 30S ribosomal subunit and colicin E3 via weighted-geometric docking**, *J Biomol Struct Dyn*, 20, 669-76 (2003)
6. J. Harms, H. Bartels, F. Schluenzen, and A. Yonath, **Antibiotics acting on the translational machinery**, *J Cell Sci* 116, 1391-93 (2003)
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10. T. Auerbach, A. Bashan, J. Harms, F. Schluenzen, R. Zarivach, H. Bartels, I. Agmon, M. Kessler, M. Pioletti, F. Franceschi and A. Yonath, **Antibiotics targeting ribosomes: crystallographic studies**, *Curr Drug Targets - Infectious Disorders*, 2, 169-86 (2002)
11. J. Harms, F. Schluenzen, R. Zarivach, A. Bashan, H. Bartels, I. Agmon and A. Yonath, **Protein structure: experimental and theoretical aspects**, *FEBS Lett*, 525, 176-7 (2002)
12. *A. Yonath, **The search and its outcome: high-resolution structures of ribosomal particles from mesophilic, thermophilic and halophilic bacteria at various functional states**, *Annu Rev Biophys Biomol Struct*, 31, 257-73 (2002)
13. A. Yonath, **The Ribosome: A molecular machine with brains**, *Chemistry in Israel*, 9, 4-12, (2002)
14. R. Zarivach, A. Bashan, F. Schluenzen, J. Harms, M. Pioletti, F. Franceschi and A. Yonath, **Initiation and inhibition of protein biosynthesis – studies at high resolution**, *Curr Protein Pept Sci*, 3, 55-65 (2002)
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