The 23nd Annual Meeting of The Israel Society for Astrobiology and the Study of the Origin of Life (ILASOL)

13 December 2009, Botnar Auditorium, Weizmann Institute of Science

Session 1	
9:00-9:05	Doron Lancet (WIS) Opening Remarks
9:05-9:25	Amri Wandel (HUJ) The Fermi-SETI paradox: when should we expect ET to call?
9:25-9:55	Sonja Prohaska (Leipzig University, Germany) The definition of genes
9:55-10:25	Ilana Agmon (TEC, HUJ) (with Ada Yonath, WIS) Identification of the prebiotic
	translation apparatus within the contemporary ribosome
10:25-10:55	5 Peter Stadler (Leipzig University, Germany) Simulating the origins of metabolism
10:55-11:10	0 Coffee Break
Session 2	
11:10-11:40	J. Peter Gogarten and Gregory P. Fournier (University of Connecticut, USA) Rooting the
	ribosomal tree of life using the early expansion of the genetic code
11:40-12:10) Shmuel Pietrokovsky (WIS) Insert, fracture, break and scatter - gene fission by inteins
	and homing endonucleases
12:10-12:40	Eshel Ben-Jacob (TAU) Origin of bacterial Self-Organization and Swarming
	Intelligence
12:40-1:20	Lunch
Session 3	}
1:20-1:50	Akiva Bar Nun and Gideon Fleminger (TAU) Chemical evolution - the case of beta-
	galactosidase
1:50-2:20	Ohad Carny and Ehud Gazit (TAU) Self-assembling short peptides: significance for
	prebiotic molecular evolution
2:20-2:50	Gonen Ashkenasy (BGU) Replication of short and simple peptides and its relevance to
	the origin of life
2:50-3:05	Coffee Break
Session 4	
3:05-3:35	Tereza Pereira de Souza and Pier Luigi Luisi (Friedrich-Schiller-Universität Jena, Germany)
	Vesicles as model compartments for the study of minimal cells and origin of life
3:35-4:05	Maya Kleiman and Emmanuel Tannenbaum (BGU) Diploidy and the selective advantage
	for sexual reproduction in unicellular organisms