

CONTENT

0.0 CONTENT	
0.01 Copyright	2
1.0 INTRODUCTION	3
2.0 SUMMARY	
2.1 Completing the Genetic Code	4
3.0 REVIEWS	
3.1 The Proteomic Code - a Molecular Recognition Code for Proteins	8
3.2 Sense-Antisense (Complementary) Peptide Interactions – by Serapian et al.	52
4.0 KEY OBSERVATIONS	
4.1 Indications that codon boundaries are physico-chemically defined	78
4.2 A common periodic table of codons and nucleic acids	89
4.3 Amino acid size, charge, hydrophathy indices and matrices	97
4.4 Recognition Site-like Sequences in the Restriction Endonucleases	109
5.0 CONSEQUENCES	
5.1 Nucleotide Composition and Folding Energy of coding sequences	121
5.2 Does codon bias have an evolutionary origin	129
5.3 Nucleic acid chaperons - RNA-assisted protein folding	144
6.0 TECHNOLOGY	
6.1 Design and Production of Specifically High Affinity Reacting Peptides	155
6.2 AffiSeq® Identification - Massively Parallel Sequencing	164
7.0 BIRO	
7.1 Resume	
7.2 Biro - List of Publications (2001-2009)	176
7.3 PRINCIPIA BI@OINFORMATICA - INDEX	181
8.0 Acknowledgement	184