

MAS*BIOMED 05 - Technical Programme

Multi-Agent Systems for Medicine, Computational Biology, and Bioinformatics

	<i>G. Armano, R. Unland</i>	Workshop Introduction (9:15-09:30)	15 min
Session 1	MAS for Medicine and Health Care	9:30-10:30 (chair: R. Unland)	
	<i>D. Foster, C. McGregor, S. El-Masri</i>	A Survey of Agent-Based Intelligent Decision Support Systems to Support Clinical Management and Research	20 min
	<i>R. Hill, S. Polovina, M.D. Beer</i>	Managing Community Healthcare Information in a Multi-Agent System Environment	20 min
	<i>I.A. Letia</i>	Gradually Intrusive Argumentative Agents for Diagnosis	20 min
	Coffee Break	10:30-11:00	
Session 2	MAS for Medicine and Health Care	11:00-12:30 (chair: G. Armano)	
	<i>H. Czap, M. Becker, M. Poppensieker, A. Stotz</i>	Utility-based Agents for Hospital Scheduling: A Conjoint-Analytical Approach	20 min
	<i>A. Tille, S. Möller</i>	Debian-Med Free Software in Health Care	20 min
Discussion	(moderator: R. Unland)	Multi-Agent Systems for Medicine and Health Care	45 min
	Lunch	12:30-13:30	

Session 3 *MAS for Comp. Biology and Bioinformatics*

13:30 - 15:10 (chair: E. Merelli)

S. Bandini, S. Manzoni, G. Vizzari

Immune System Modelling with Situated Cellular Agents 20 min

S. Miles

Agent-Oriented Data Curation in Bioinformatics 20 min

C. Lales, N. Parisey, J.P. Mazat, M. Beurton-Aimar

Simulation of mitochondrial metabolism using multi-agents system
MODELLING THE DYNAMICS OF INTRACELLULAR PROCESSES AS AN 20 min

T. Bosse, C.M. Jonker, J. Treur

Organisation of Multiple Agents 20 min

A. Orro, M. Saba, E. Vargiu, G. Mancosu

Using a Personalized Adaptive and Cooperative MultiAgent

System for Predicting Protein Secondary Structure 20 min

Coffee Break

15:10-15:30

Session 4 *MAS for Comp. Biology and Bioinformatics*

15:30- 17:00 (chair: S. Miles)

E. Merelli, M. Young

Validating MAS Models with Mutation 20 min

L. Bortolussi, A. Dovier, F. Fogolari

Multi-Agent Simulation of Protein Folding 20 min

V.G. Koutkias, A. Malousi, N. Maglaveras

Engineering Agent-Mediated Integration of Bioinformatics

Analysis Tools 20 min

Discussion (moderator: G. Armano)

Multi-Agent Systems for Comp. Biology and Bioinformatics 45 min