

MICREAgents Spring Workshop



ECLT Venice, March 14-15, 2013

1. Programme

Time	Day 1 - Thursday, March 14
9:00-9:10	Introduction & welcome : The task ahead, McCaskill (10 min)
9:10-10:50	Lablet Design & Fab <i>Functionalities: lablets and dock, WP6 McCaskill (10 min)</i> <i>Passive & Supercap Lablet, WP5, 6 Wagler (20 min)</i> <i>Overall Electronic Design, WP6, 7 Maeke (15min)</i> <i>CMOS Electronics : Design and Floorplan, WP5, 6, 7 Mayr, Funke (40 min)</i> <i>Dock and lablets: overall design & fab, WP6, 7 Maeke, Tangen (15 min)</i>
10:50-11:05	Coffee Break
11:05-12:25	Supercap & Sensor <i>Supercap & surface coatings, WP5, 1 Cronin (40 min)</i> <i>Sensor, sponges, gels & amplification, WP3, 1 Willner (40 min)</i>
12:25-13:05	Reversible lablet docking & self-assembly <i>Switchable DNA surface docking, WP2 Herrmann (30 min)</i> <i>Reversible bead hybridization via triplexes, WP2 Minero (10 min)</i>
13:05-14:05	Lunch at ECLT
14:05-15:00	Lablet cloning and amplification <i>Evolvable lablet patterning schemes for self-assembly, WP6, 2 Packard (15 min)</i> <i>Lablet SPREAD & DNA amplification, WP4 Patzke (25 min)</i> <i>Amphiphile compatibility of lablets, WP3 Rasmussen (15 min)</i>
15:00-15:20	Lablet coding and computation <i>Relation to MATCHIT automaton, WP10 Fellermann, Rasmussen (10 min)</i> <i>Gemlabic code and bootstrapping, WP10 Wills, McCaskill (10 min)</i>
15:20-15:40	Applications: Synthesis, delivery, biodocking <i>Lablets and programmed delivery & uptake, WP9 Stepanek (20 min)</i>
15:40-16:00	Coffee Break
16:00-17:15	Discussion and Coordination of high level functions: <ol style="list-style-type: none"> 1. Lablet cloning and self-replication of lablets 2. Lablet coding and simulation 3. Multilablet chemical processes 4. Applications of lablets including biodocking 5. Miscellaneous high level issues

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17:15-18:00	Coordination Committee Meeting (Others time to discuss in small groups)
19:00	Common Dinner

Time	Day 2 - Friday, March 15
9:00-10:30	Lablet Design and Fab Discussion and Coordination of low level functions: <ol style="list-style-type: none"> 1. Lablet power and supercap 2. Interlablet communication: capacitative & Faradaic 3. Lablet motion and self-assembly: including magnetic 4. Lablet chemical functionality 5. Electronics, ROM, optical barcodes & other
10:30-10:45	Coffee Break
10:45-13:00	Planning Session: Experimental, software and lablet fabrication cooperation planning Small Groups (75 min) Internal deliverables, joint experiments, deadlines Plenum (60 min)
13:00-14:00	Lunch at ECLT
14:00-16:00	Plenum: Web Site and Dissemination Planning (15 min) Major deliverables period 1 and review meeting preparation (60 min) Closing Discussion of Main Scientific Targets in First Period (30 min) Planning of upcoming meetings and ECLT activities (15 min)
16:00	Coffee Break
	Discussion and departures