



OCTOBER 11, 2011

8:30 **Gathering**

SESSION 4 8:45 – 9:40
Management and dissemination activities

8:45 – 9:15 **WP1, Project Management**
Verdiana Bandini (UNIBO)

9:15 – 9:40 **WP8, Dissemination and Exploitation**
Reynold Greenlaw (OCC)

Coffee Break

PANEL SESSION 10:00 – 12:00
Rehabilitation in PD: a new frontier

The Panel session involves invited speakers, with expertise in the field of movement disorders and rehabilitation for Parkinson's disease.

- **Franco Valzania**
MD. Unit of Neurology, Ospedale Civile di Baggiovara, Modena (IT)
- **Giuseppe Frazzitta**
MD. Fondazione S. Maugeri, Montescano, Pavia (IT)

12:00 – 12:30 **Conclusions and closing remarks**

END OF THE KICK OFF MEETING

Abstract. Parkinson's **CuPiD** disease produces motor and cognitive impairments that severely impact mobility, and multiple key aspects of functional independence. Optimal rehabilitation of a neurodegenerative disease like Parkinson's requires personalized training paradigms. CuPiD is designed to develop **an ICT-enabled solution to the rehabilitation of patients in their home setting, tailoring the solution to target mobility, cognitive function and debilitating PD symptoms.** Key components are: 1) **a home-based rehabilitation system**, based on unobtrusive wearable sensors and on-board intelligence 2) **an intelligent telemedicine infrastructure** for remote monitoring and supervision

Consortium

Alma Mater Studiorum – Università di Bologna (Italy)
Tel-Aviv Sourasky Medica Center (Israel)
Eidgenossische Technische Hochschule Zurich (Switzerland)
Katholieke Universiteit Leuven (Belgium)
OXFORD Computer Consultant (United Kingdom)
STMicroelectronics (Italy)
Fundació Illes Balears Innovació Tecnològica (Spain)
EXEL srl (Italy)

Organizing Committee

Lorenzo Chiari, DEIS Univ. Bologna — lorenzo.chiari@unibo.it
Laura Rocchi, DEIS Univ. Bologna — l.rocchi@unibo.it
Elena Consolini, ARIC Univ. Bologna — elena.consolini@unibo.it

CuPiD

Closed-loop system
for at-home
rehabilitation of
people with
Parkinson's Disease

Kick-Off Meeting

10-12 October 2011

Bologna (Italy)



ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA

RETTORATO - UNIVERSITY CENTRAL HEADQUARTERS

Via Zamboni 33



Our adventure begins in the hearth of the historic University of Bologna...

OCTOBER 10, 2011

14:00 **Gathering**

14:30 – 15:00 **CuPiD at a glance (overview of project objectives and major milestones)** *Lorenzo Chiari, Scientific Coordinator, University of Bologna*

SESSION 1 15:00 – 18:00
Who's who: let's know each other

Brief introduction of each partner's site, background, main activities, with a focus on experiences relevant for CuPiD

15:00 - 15:20 **ETHZ** - Eidgenössische Technische Hochschule Zurich (CH)

15:20 - 15:40 **EXEL** srl (IT)

15:40 - 16:00 **IBIT** Fundació Illes Balears Innovació Tecnològica (ES)

16:00 - 16:20 **KUL** Katholieke Universiteit Leuven (BE)

Coffee Break

16:30 - 16:40 **Welcome Address of Prof. Dario Braga.**
Research Pro-Rector of University of Bologna

16:40 - 17:00 **OCC** - Oxford Computer Consultants (UK)

17:00 - 17:20 **ST** - STMicroelectronics (IT)

17:20 - 17:40 **TASMC** - Tel Aviv Medical Center (IL)

17:40 - 18:00 **UNIBO** - University of Bologna (IT)

18:00 - 18:15 Discussion and presentation of the agenda of Day 2

18:30 Welcome Cocktail at "La Scuderia"
P.zza Verdi 2, Bologna

FACOLTÀ DI INGEGNERIA - SCHOOL OF ENGINEERING

Sala del consiglio (2nd floor)

Viale del Risorgimento 2



OCTOBER 11, 2011

8:45 **Gathering**

9:00 **Welcome address**
Prof. Giovanni E. Corazza, head of the Dept. Electronics, Computer Science & Systems, University of Bologna

SESSION 2(a) 9:20 – 13:00
Activities planning.

Introduction, planning of forthcoming activities and discussion of related issues

9:20 - 9:40 **Introduction: the CuPiD timeline and activities** *Laura Rocchi, University of Bologna*

9:40 – 10:10 **WP4, Motor- Cognitive rehabilitation using Virtual Reality: development and assessment**
Alicia Domingo (IBIT), Anat Mirelman (TASMC)

10:10 – 10:40 **WP5, Freezing of gait rehabilitation development and assessment**
Daniel Roggen (ETHZ) and Meir Plotnik (TASMC)

Coffee Break

11:10 – 11:40 **WP6, Functional rehabilitation using bio-feedback: development and assessment**
Laura Rocchi (UNIBO)

11:40 – 12:30 **WP2 Clinical and technical requirements (months 1-6)**
Alice Nieuwboer (KUL)

12:30 – 13:00 **WP3, System components development**

Diego Romanelli (EXEL srl), Elisabetta Farella (UNIBO)

13:00 Lunch Break

SESSION 2(b) 15:00 – 16:15
Activities planning.

15:00 – 15:30 **WP7 Home rehabilitation system: integration and validation**
Anat Mirelman (TASMC)

15:30 – 16:15 **Demo from partners, discussion and identification of critical questions and open issues related to upcoming activities**

Coffee Break

SESSION 3 16:30 – 18:00
Brainstorming

16:30 – 17:30 **Parallel sessions (e.g., Clinical & Technical) to clarify/address the identified critical issues**

17:30 – 18:00 **Presentation of group activities and conclusions of Day 2**

18:00 – 18:45 **Assembly of the Scientific Board**

20:00 Social Dinner at "La Bottega di Franco"
Via Agucchi 112, Bologna