



IAGG Global Research Network on Health & Ageing Questionnaire for selection process

Name of the Centre: **Autonomous University of Baja California (UABC)**
Key Investigator / Head of Department: **Marcela D. Rodriguez/Faculty of Engineering**
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Description of the Centre:

a) Type of investigations:

- Basic Science / Fundamental
- Clinical Research
- Health Services Research
- Epidemiologic/Public Health Research
- Other

b) Themes investigated (please specify):

- Dementia
- Frailty
- Sarcopenia
- Other Neurodegenerative Disorders
- Geriatric Disorders
- Cardiovascular Risk Factors
- Metabolism
- Ageing research
- Genetics
- Gerontechnology
- Other

c) Number of investigators in ongoing positions:

- Less than 5
- to 10
- More than 10

d) Number of investigators funded by specific projects:

- 1 to 3
- 4 to 5
- More than 5

e) Does your Centre have a:

- Clinical affiliation
- Academic affiliation

f) Does your Centre have a basic sciences program? (Please specify topic)

- Yes **Computer Science**
- No

If your Centre is affiliated to a Geriatric Department, please provide the following information:

a) Types of units:

- Acute Ward - **Number of beds: 0**
- Outpatient Ward - **Number of patients/year: 0**
- Community Care Unit - **Number of visits/year: 0**

- Day Hospital - **Number of places/day: 0**
- Geriatric Rehabilitation Unit - **Number of beds: 0**
- Long-Term Care - **Number of beds: 0**
- Special Units (stroke, memory, ortho-geriatric, psycho-geriatric) - **Number of beds: 0**

b) Number of staff in the Department:

Geriatric: **0**

Gerontology: **0**

Other: **0**

c) Does the Day Hospital have specialist services?

- Dementia / Memory
- Cardiovascular clinic
- Rehabilitation
- Falls assessment clinic
- Parkinson's disease clinic
- Other

d) Does your Geriatric Department already cooperate with supervising clinical trials?

- Yes
- No

Management of the Centre:

a) Is your Centre an existing national or government recognized medical research Centre?

- Yes
- No

b) Does the Centre receive funded grants? (Please specify source)

- Yes **CONACyT (National Council of Science and Technology) and PROMEP-SEP**
- No

c) Does the Centre collaborate with trials funded by pharmaceutical companies?

- Yes
- No

d) Will the Centre shortly begin investigation projects?

- Yes
- No

Indicate the three main publications over the last 2 years:

1/ Name of Journal: **Journal of Personal and Ubiquitous Computing Systems, Ed. Springer (PUCS - 2011)**

Title of article: **Supporting the Strategies to Improve Elders? Medication Compliance by Providing Ambient Aids**

2/ Name of Journal: **Journal of Universal Computer Science (JUCS - 2010)**

Title of article: **An agent-based Architecture for Developing Activity-Aware Systems for Assisting Elderly**

3/ Name of Journal: **Journal of Computers in Human Behavior, Ed. Elsevier (JCHB - 2009)**

Title of article: **Home-based communication system for older adults and their remote family**

Please add short biographies (maximum 1 page) of the Key Investigators and Head of Department

Marcela D. Rodríguez is a professor in computer engineering at the Autonomous University of Baja California (UABC) where she leads a research group in Technologies for Ambient Intelligence. Her research interests include ubiquitous computing, autonomous agents and human-computer interaction. Her research work on gerontechnology involves developing ubiquitous computing systems for supporting the independent living of elderly. She holds a BS from the Autonomous University of Baja California, and a MSc and PhD in computer science from the CICESE Research Centre. She is a member of the ACM, IEEE

Computer Society and SMCC (Computer Science Mexican Society). Monica Tentori is an assistant professor in computer science at UABC, Ensenada, México and a post-doctoral scholar at University of California, Irvine (UCI). Much of her research is an intersection of computer science, behavioral sciences, design and several other fields of study with the aim at understanding the interactions between people, technology and the environment to develop ubiquitous environments to effectively enhance humans interactions with their world and particularly to improve the lifestyle of vulnerable populations and their caregivers. Her past work involved the design of ubiquitous applications in support of hospital work. Her research interests include ubiquitous computing, HCI, Medical Informatics, Mobile Computing and CSCW. I hold a Bs from the Universidad Autónoma de Baja California (UABC) and received a MSc and PhD from the Centro Investigación Científica y de Educación Superior de Ensenada (CICESE). Angel G. Andrade received the M.Sc. and the Ph.D. in Telecommunications from CICESE Research Center, Ensenada, Baja California, México, in 1998 and 2005, respectively. Since 1998, he has been in the Electronics and Telecommunications department at Universidad Autónoma de Baja California, Mexicali, México where he is a Full professor. His main research interests are on Radio Propagation Channel Models in Personal Communications Networks, Dynamic Spectrum Allocation and scheduling in mobile wireless networks. He is a member of the Sistema Nacional de Investigadores (SNI-I) in México. Leopoldo Moran y Solares is a professor in computer science at UABC, Ensenada, Mexico. His recent research work includes collaborative systems for supporting lightweight Communication in Hospital Work and tangible interfaces for supporting the elderly cognitive decline. He holds a BS from the Autonomous University of Baja California, a MSc in Computer Science from the CICESE and a PhD from Institut National Polytechnique De Grenoble.