

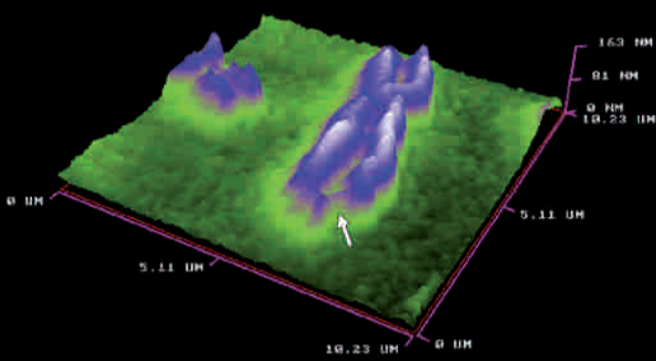
2007 WORKSHOPS CURRENT TRENDS IN BIOMEDICINE

ORGANIZED JOINTLY BY
THE UNIVERSIDAD INTERNACIONAL DE ANDALUCÍA
AND THE INSTITUTO DE SALUD CARLOS III

FRAGILE X-RELATED SYNDROMES: FROM MOLECULAR TO CLINICAL APPROACH

BAEZA, SPAIN 16-18 OCTOBER 2007

A.F.M. Atomic Force Microscopy
Fragile(X) chromosome



ORGANIZED BY

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SCOPE

The discovery of the dynamic *FMRI* mutation as responsible for the fragile X syndrome was a breakthrough in medical genetics describing a previous unknown type of mutation and clarifying the intriguing phenomenon of anticipation. 15 years after its discovery, *FMRI* continues to reveal new and unexpected clinical presentations and molecular mechanisms. Loss of function of *FMRI* in patients carrying a full mutation is a model for neurodevelopmental and behavioural disorders, including mental retardation, autism, anxiety, and mood instability. In addition, overexpression of *FMRI* mRNA, observed in carriers of alleles in the

premutation range, causes a late-onset neurodegenerative disorder, the fragile X-associated tremor/ataxia syndrome (FXTAS). A similar mechanism is probably involved in premature ovarian failure (POF) affecting female carriers of premutation. The understanding of these unexpected phenotypes at the molecular level and diving into the role of RNA and RNA processing in neurodegeneration are important scientific challenges. The workshop on Fragile X-related syndromes offers unique possibilities to advance in the knowledge of these disorders, covering from screening techniques, molecular and pathophysiological mechanisms, animal models, clinical phenotypes and treatment.

FORMAT OF THE WORKSHOP

The workshop will bring together 17 speakers and a maximum of 50 participants (including speakers). The scientific programme will start in the morning of Tuesday, October 16, and will end around noon on Thursday, October 18. Ample time for informal discussion will be reserved. Participants will be invited to present a poster.

VENUE OF THE WORKSHOP

The workshop will be held in Baeza, at the "Sede Antonio Machado", a XVII century building turned into a Conference Centre of the Universidad Internacional de Andalucía (UNIA). This Seat includes a recently restored residence, where participants will be accommodated. Baeza is a World Historic Heritage town, renowned for its Renaissance and Gothic buildings.

DEADLINE: 27 JULY 2007

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MORE INFORMATION AND APPLICATION

<http://www.unia.es/BiomedicineWorkshops/workshops2007.htm>

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