



Bioteam Paris Region Double Header

# SEMINAR INVITATION



GENOMIC VISION

NOKAD

[www.bioteam.fr/](http://www.bioteam.fr/)

Please join us for this free double header seminar on

**Thursday, June 8th, 2006**

One Broadway – 11<sup>th</sup> Floor – Kendall Square – Cambridge, MA 02142

### Single DNA Molecule Analysis of Human Genomic DNA: A Novel Approach for Molecular Diagnostics

Aaron BENSIMON, Ph.D.  
Chairman & CEO  
Genomic Vision

Genomic instability is one of the major features of cancer calls. The clinical phenotypes associated with several human diseases have been linked to recurrent DNA rearrangements and to dysfunction of DNA replication processes that involve unstable regions. Detailed analysis of these rearrangements, which are frequently microscopic and can lead to the loss or gain of dosage-sensitive genes or gene disruption, requires the development of sensitive techniques.

**Genomic Vision** has developed a new technology involving molecular combing, a method that permits straightening and aligning genomic DNA molecules. This innovative process will make possible a detailed analysis of genomic events at the level of single DNA molecules, which will help elucidate important properties that are masked in bulk studies. The seminar will describe **Genomic Vision's** technology, answer questions about its functions and relevance, and explore several applications of our innovation to molecular diagnostics.

### Knock-Outs Phenotypes in All Mammalian Species: A Dream Becoming a Reality

Amine ABINA, M.D., Ph.D.  
President & CSO  
NOKAD

Genes and, recently, RNA have been manipulated for the generation of Knock-Out animals. They have demonstrated efficacy for both fundamental research and pharmaceutical developments. Other technologies are needed to accelerate the functional discoveries in other species since many mammalian genomes are now available.

**NOKAD** will describe the generation of functional KO in different species by targeting the immune system against endogenous proteins thanks to its proprietary technology. The derived phenotypes have all the characteristics of those obtained by the genetic approach. The advantages of the **NOKAD** technology and the limits will be discussed.

8:00 AM – 8:30 AM	Registration, networking, and breakfast
8:30 AM – 9:30 AM	Presentation, Dr. Bensimon: <i>Single DNA Molecule Analysis of Human Genomic DNA: A Novel Approach for Molecular</i>
9:30 AM – 9:45 AM	Break and networking opportunity
9:45 AM – 10:45 AM	Presentation, Dr. Abina: <i>Knock-Outs Phenotypes in All Mammalian Species: A Dream Becoming A Reality</i>

To register for this free event, or for more information, please contact:

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