



CENTER FOR
INTEGRATED
BIOSYSTEMS

Nutrition & Food Sciences

Presents a joint seminar by

Dr. Monique Rijnkels

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Pediatrics-Nutrition CNRC
Baylor College of Medicine**

**Location: Merrill-Cazier Library room 154
December 5, 2007 from 3:30 – 4:30 PM**

“Milking the Bovine Genome: Bovine Genome Annotation and What It Can Teach Us”

Abstract:

With the assembly of the bovine genome sequence the genome of a major agricultural species becomes available. The analysis of the bovine genome will enable us to get a better understanding of the lactation process from the molecular mechanisms and the evolutionary origins to the nutritional functions and benefits of milk.

A community driven manual gene model annotation was organized to generate the best possible set of gene models, and connect them to biological function, focusing on genes that are of particular interest in bovine biology, such as lactation. For this purpose over 200 participants, members of the Bovine Genome Sequencing Consortium, have been annotating a large set of gene models using their expertise and interest in particular genes, gene systems or biological processes. Currently analysis of the biology of the genome is taking place focusing on bovine specific changes.

Hosted by: Dr. Robert Ward 797-2153

Refreshments will follow in the Biotechnology Building Lobby

Seminar