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NFR FUGE programs GLYCONOR and the Consortium for Advanced Microbial Sciences (CAMST) together with CMBN are pleased to announce a

SPECIAL GUEST LECTURE

Wednesday March 26, 2008 at 12:15

The lecture will be in room Rikshospitalet Mikro/Farm. Institutt Bygg A3.3067

Dr. Christine Szymanski

Institute for Biological Sciences
National Research Council (Canada)

"*Campylobacter* sugars sticking out"

Background

Protein glycosylation is a pivotal element of biological systems because of its significant effects on protein properties and functions. Recently, heightened attention has been directed towards bacterial protein glycosylation systems because of the increasing frequency with which they are seen in pathogenic species as well as the enormous potential they hold for glycoengineering strategies. Dr. Szymanski and her colleagues have been at the forefront in elucidating the biosynthetic pathways, structures and biological significance of N-linked protein glycosylation in the zoonotic gram negative species *Campylobacter jejuni*. This general protein glycosylation shares remarkable similarities to N-linked systems in higher eukaryotes and current data shows that it is critical to both the ability of the organism to colonize the gastrointestinal tract of its normal avian hosts and to cause gastrointestinal disease in mammals. Her presentation will cover recent findings in this rapidly advancing field.

For further information, please contact Michael Koomey: johnk@imbv.uio.no, phone: 22854091

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