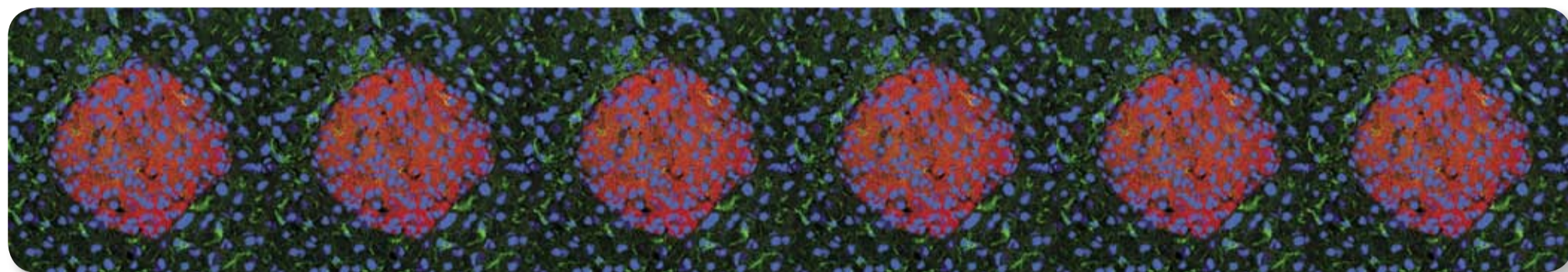


Frontiers OF Science



SPRING SEMINARS 2012

JANUARY

**Thursday, January 19 at 12.00,
 Frontiers of Science seminar**

Dr. Vincenzo Costanzo, Genome Stability Unit, Clare Hall Laboratories, London Research Institute, UK:
"DNA replication and genome stability in vertebrates: Novel insights from a cell free system"
 Host: Mikko Laukkanen (mikko.laukkanen@utu.fi)

FEBRUARY

**Thursday, February 2 at 12.00,
 Frontiers of Science seminar**

Dr. Clifford Rosen, Director of Clinical and Translational Research, Maine Medical Center Research Institute, Scarborough Maine & Tufts University, Boston, USA: *"What's new between bone and fat?"*
 Host: Riku Kiviranta (riku.kiviranta@utu.fi)

**Thursday, February 16 at 12.00,
 Frontiers of Science seminar**

Prof. Rikard Holmdahl, Division of Medical Inflammation Research, Department of Medical Biochemistry and Biophysics, Karolinska Institute, Sweden:
"Oxidation regulation of inflammation and autoimmunity"
 Host: Sirpa Jalkanen (sirjal@utu.fi)

MARCH

**Thursday, March 15 at 12.00,
 Frontiers of Science seminar**

Dr. Hans Lilja, Departments of Laboratory Medicine, Surgery (Urology), and Medicine (GU-Oncology), Memorial Sloan-Kettering Cancer Center, USA: *"Use of "old" versus "new" markers to assess risk and outcome of prostate cancer"*
 Host: Kim Pettersson (kim.pettersson@utu.fi)

APRIL

**Thursday, April 19 at 12.00,
 Frontiers of Science seminar**

Prof. Ulrich Kalinke, Institute for Experimental Infection Research TWINCORE, Centre for Experimental and Clinical Infection Research, Germany: *"Interferons in anti-viral immunity"*
 Host: Veijo Hukkanen (veijo.hukkanen@utu.fi)

**Thursday, April 26 at 12.00,
 Frontiers of Science seminar**

PharmaCity Auditorium, please note the location!
 Prof. Eric Legius, Department of Human Genetics, Katholieke Universiteit Leuven, Belgium:
"The Legius syndrome - A novel Rasopathy"
 Host: Juha Pelttonen (juhpel@utu.fi)

MAY

**Thursday, May 3 at 12.00,
 Frontiers of Science seminar**

Prof. Derek LeRoith, Mount Sinai School of Medicine, NY, USA:
"The role of insulin and the insulin-like growth factors in cancer"
 Host: Sari Mäkelä (sarmak@utu.fi)

**Thursday, May 10 at 12.00,
 Frontiers of Science seminar**

Dr. Rebecca Wade, Heidelberg Institute for Theoretical Studies, Germany: *"Bridging from molecular simulation to biochemical networks"*
 Host: Mark Johnson (johnson4@abo.fi)

Friday, May 18 at 11.00,

Special Nobel seminar, please note the date!
 Prof. and Nobel laureate Martin Chalfie, Columbia University, USA:
"GFP lights up life"
 Host: Eleanor Coffey (eleanor.coffey@btk.fi)

**Thursday, May 24 at 12.00,
 Frontiers of Science seminar**

Alpha Auditorium, ICT building, please note the location!
 Prof. Andreas Trumpp, Division of Stem Cells and Cancer, Deutsches Krebsforschungszentrum (DKFZ), Germany:
"Dormant blood stem cells and circulating cancer stem cells"
 Host: Claire Hyder (chyder@btk.fi)

ORIGINAL IMAGE BY CATHARINA ALAM (D. TOIVOLA-Lab):

Keratin intermediate filament networks in the pancreas. The pancreas is a dual function organ comprising an exocrine part that secretes digestive enzymes that are then transported to the duodenum by a network of ducts, and an endocrine fraction which secretes several important hormones, including insulin, glucagon and somatostatin. The endocrine part exists as intermittent structures termed 'islets of Langerhans' which lay scattered throughout the exocrine pancreatic tissue. The islets of Langerhans consist of several cell types, out of which insulin producing β -cells are the most numerous. Insulin and other hormones produced in the islets of Langerhans are vital for maintaining energy homeostasis in the body. The picture portrays a section of mouse pancreas with an islet of Langerhans (stained red for insulin) surrounded by exocrine pancreatic tissue. Keratin 19 (stained green) is a cytoskeletal intermediate filament protein that is mainly found in the ductal cells and the apical parts of exocrine acinar cells. Nuclei are stained blue.

FRONTIERS OF SCIENCE SEMINARS ORGANISED BY
 Biomaterials Research, Centre for Reproductive and Developmental Medicine, Diagnostic Technologies and Applications, Receptor Program, Systems Biology Program, Program for Infection Biology and Infectious Diseases, Doctoral Programmes participating in Turku BioNet

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TURKU BIONET SEMINAR CALENDAR
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