DISSERTATIONS from the Minerva Institute

2020

Dan Pham Duc: Novel roles of p75 neurotrophin receptor in Low-density lipoprotein receptor regulation and lipid signaling. June 4, 2020.

Veijo Salo: Lipogenic subdomains of the ER: The role of seipin. April 17, 2020.

Amr Abouelezz: The structure and dynamics of the actin cytoskeleton in the axon initial segment. February 28, 2020.

2019

Iryna Hlushchenko: Actin regulation in dendritic spines: From synaptic plasticity to animal behavior and neurodevelopmental disorders. August 16, 2019.

2018

Panu Luukkonen: Heterogeneity of non-alcoholic fatty liver disease – Genetic and nutritional modulation of hepatic lipid metabolism. September 7, 2018.

Henriikka Kentala: ORP2 – A sterol sensor controlling hepatocellular bioenergetics and actin cytoskeletal functions. August 18, 2018

Raghavendra Mysore: Novel molecular regulators of adipose tissue metabolism. May 18, 2018.

Anna Tikka: Characterization of ANGPTL3 deficiency and molecular mechanisms of ANGPTL3 deficiency-induced hypolipodemia. January 19, 2018.

Susanna Lallukka: Non-alcoholic fatty liver disease: The role of insulin resistance, inflammation and the PNPLA3 I148M variant. January 13, 2018.

2017

Jenni Hyysalo: Prevalence and Genetics of Non-Alcoholic Fatty Liver Disease. December 16, 2017.

Elina Isokuortti: Non-alcoholic fatty liver disease – Studies on pathogenesis and diagnosis. October 28, 2017.

Boris Vassilev: Studies on proteins influencing cancer progression and regulating endocytic lipid trafficking. April 28, 2017.

2016

Johanna Mäkelä: Neuroprotective effects of PGC-1a activators in dopaminergic neurons. May 20, 2016.

2015

Veronica Kalhori: Sphingosine-1-phosphate-evoked invasion of follicular thyroid cancer cells: Evidence for the involvement of HIF-1a, MMP2 and MMP9. September 11, 2015.

Tho Huu Ho: Development of amplification-based technologies for enrichment of nucleic acids with difficult sequences or low-abundance point mutations. February 13, 2015.

2014

Alise Hyrskyluoto: Endoplasmic reticulum stress, regulation of autophagy and ubiquitin-proteosome system in cellular models of Huntington's Disease. September 12, 2014.

Leena Juurinen: Insulin therapy in type 2 diabetes - Initiation, impact on liver fat, role of combination therapy with glitazones or glinides. May 16, 2014.

Jere Paavola: Aberrant intracellular calcium cycling in the heart - Mechanistic insights into catecholaminergic polymorphic ventricular tachycardia and heart failure. March 28, 2014.

2013

Anders Eriksson-Palojärvi: Neurohumoral responce and pathophysiologic changes during progresson of mitral reurgitation in the Cavalier King Charles spaniel. November 29, 2013.

Wei Wang: Studies on the transcriptional and enzymatic control of steroid metabolism: Regulation by lysosomal acid lipase, 24-dehydrocholesterol reductace, and amyloid precursor protein. November 28, 2013.

Raili Koivuniemi: Regulation of neural progenitor cell proliferation and fate by proteolytic pathways and inflammatory signals in the brain. September 6, 2013.

You Zhou: Oxysterol binding protein homologues: Novel functions in intracellular transport and adipogenesis. January 25, 2013.

2012

Noora Putkonen: Organelle specific mechanism of neuronal cell death. October 26, 2012.

Terhi Vihervaara: The role of oxysterol binding proteins in macrophages. October 5, 2012.

Paulina Skrobuk: Glucose and lipid metabolism in human skeletal muscle. September 7, 2012.

2011

Ksenia Sevastianova: Combination antiretroviral therapy-associated lipodystrophy: insights into pathogenesis and treatment. November 25, 2011.

2010

Päivi Lakkisto: Heme oxygenase-1 in cardiovascular diseases. December 17, 2010.

Minna Kairisalo: Oxidative stress and XIAP signalling in neuronal cells. October 15, 2010.

Sami Reijonen: Endoplasmic reticulum stress and cell death mechanisms in the cell model of Huntington's disease. October 8, 2010.

Nina Bergelin: Interactions between sphingosine 1-phosphate and vascular endothelial growth factor signaling in thyroid carcinoma cells. September 17, 2010.

Tero Viitanen: GABAa reseptor mediated signalling in the brain: inhibition, shunting and excitation. June 23, 2010.

Janne Makkonen: Adipose tissue inflammation, liver fat and insulin resistance in humans. June 18, 2010.

2008

Anna Kotronen: Liver fat in the metabolic syndrome and type 2 diabetes.

2007

Cia Ramström: Ceramides and DAG as regulators of potassium channel function.

2006

Tomas Blom: Sphingolipid-mediated regulation of cellular calcium signaling and survival.

2005

Mirja Tiikkainen: Effects of weight loss, rosiglitazone and metformin on liver fat content, insulin resistance and gene expression in adipose tissue"

2004

Marjo Tamminen: Vascular and Platelet Function in Insulin Resistance

Esa Leppänen: Experimental basis for standardization of blood specimen collection. (started in Minerva but was completed in Jyväskylä)

2003

Elena Korsheninnikova: Molecular mechanisms of insulin resistance in human skeletal muscle and lipodystrophic adipose tissue. July 4, 2003.

Robert Bergholm: Effects of weight loss, physical training and anti-inflammatory therapy on endothelial function in vivo.

Jussi Sutinen: Pathogenesis and treatment of lipodystrophy in HIV-infected patients receiving highly active antiretroviral therapy.

2002

Nina Uhlenius: Angiotensin II and nitric oxide in chronic experimental nephritis.

2001

Jukka Westerbacka: Insulin action on large artery stiffness in normal and insulin resistant subjects.

Satu Vehkavaara: Identification and treatment of endothelial dysfunction and cardiovascular risk markers in disorders of glucose metabolism and in postmenopausal women.

2000

Benoît Dugué: Variabilité Biologique. Influence des facteurs preanalytiques in vivo (stress physique, stress psychologique, chronobiologie) sur les résultants d'analyses de marqueurs biologiques sanguins et cellulaires.

1999

Markus Sundblom: Neuropeptide FF in human blood and cerebrospinal fluid.

1998

Leena Karhapää: Effects of caffeine and thimerosal on the regulation of intracellular calsium concentration in GH4C1 rat pituitary cells.

1997

Marja-Leena Sirviö: Endothelin-1; cardiopulmonal expression, metabolism and regulation of atrial natriuretic peptide release.

1995

Antti Virkamäki: Mechanism and causes of abnormal carbohydrate metabolism during experimental and natural infections.

1994

Outi Saijonmaa: Endothelin-1: Plasma levels in cold pressor test and regulation in endothelial cells.

Karri Helin: Neutral endopeptidase inhibition in experimental heart failure. 1994

1991

Sari Tikanoja: Free thyroid hormones in serum: performance of different assay methodologies in thyroid diseases and non-thyroidal illnesses.

1989

Per-Henrik Groop: The relationship between gastric inhibitory polypeptide (GIP) and beta-cell function in man.

Tuula Tikkanen: Atrial natriuretic peptide in experimental heart failure.

Kaj Metsärinne: Renin substrate in human plasma and amniotic fluid.

1987

Kid Törnquist: 1,25-dihydroxyvitamin D3 and the secretion of thyrotropin and prolactin from the rat pituitary gland.

Katarina Rosenlöf: Erythropoietin: receptor and comparison with renin substrate.

1986

Virpi Oksanen: Neurosarcoidosis: A clinical, laboratory and neuroradiological study.

Jean-Louis Guéant:

1984

Markku M. Nieminen: Renin-Aldosterone axis in man following ingestion of ethanol.

Christel Lamberg-Allardt: Serum 25-hydroxy-vitamin D concentration and vitamin D intake.

Terje Forslund: Induction of rat angiotensin converting enzyme by captopril and enalapril.

1983

Ilkka Immonen: Factors affecting human plasma renin substrate concentration with emphasis on estrogens and pregnancy.

1982

Jaakko Linkola: Strain differences in water and electrolyte metabolism between alcohol preferring (AA) and alcohol avoiding (ANA) rats.

Tom Petterson: Pleural effusions in infectious, neoplastic and connective tissue diseases. A study of cellular and immunological reactions with emphasis on the role of T and B lymphoytes.

1981

Ilkka Kouvonen: Structure of the porcine intestinal intrinsic factor (IF) receptor.

Ilkka Tikkanen: Hypertensive effect of autoimmune nephritis in DOCA-NaCI-treated and in spontaneously hypertensive rats.

Georg Borgström: Clinical implications of chromosome aberrations in hematologic neoplasia.

1980

Carola Grönhagen-Riska: Angiotensin converting enzyme and sarcoidosis.

Fredrika Pekonen: The interaction of thyrotropin with its receptors.

1978

Thomas Tötterman: Thyroid-infiltrating immunocompetent cells in human autoimmune thyroid disease.

George Marcoullis: Soluble and membrane-bound proteins involved in vitamin B12 transport.

Pertti Soveri: Renin in human pregnancy and during oral contraception.

1975

Gustav Wägar: Effect of TSH and cyclic adenosine 3', 5'-monophosphate on thyroidal protein synthesis.

Jim Schröder: Passage of blood cells between foetus and mother.

1974

Ariel Gordin: Thyrotrophin in human serum; A methodological and clinical study in diseases of the thyroid gland.

Ulf-Håkan Stenman: Studies on cobalophilin. Vitamin B12-binding proteins of R-type.

Ritva-Kajsa Selander: Kromosomala makromolekylers effekt på vissa akridinderivats absorption och fluorescens.

1973

Aldur Eriksson: Human twinning in and around the Åland Islands.

1972

Jorma Mäenpää: Hypothyroidism and autoimmune thyroiditis in childhood.

Risto Kala: Venous plasma angiotensin II in man. Diurnal variation and response to various postural stimuli and exercise.

1971

Johan Wennström: Effect of ionizing radiation on the chromosomes in meiotic and mitotic cells.

Frej Fyhrquist: Radioimmunoassay of plasma angiotensin II in patients with hypertension, in renal transplant recipients, and in anephric patients.

1970

Johan Edgren: Effect of cysteine on chromosome aberrations induced by radiation of human lymphocytes in vitro.

1969

Teddy Weber: Isolation and characterization of a lymphocyte-stimulating leucoagglutinin from red kidney beans. (Phaseolus vulgaris).

1968

Rolf Nordman: Endemic goitre in Finland in the light of thyroids of newborn in 1962-1965.

Kristian Liewendahl: lodochloroxyquinoline and the thyroid gland. Metabolism of iodochloroxyquinoline iodine and its effect on the thyroid iodine metabolism in rats.

1964

Kaj Simons: Vitamin B12 binders in human body fluids and blood cells.

Albert de la Chapelle: Cytogenetical and clinical observations in female gonadal dysgenesis.