

Role Of The Plasminogen Activatorplasmin Pathway In Bone Metabolism

Koen Peers

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The Role of the Plasminogen Activator/Plasmin Pathway in Bone Metabolism Evis Daci,2000-12-01

Plasminogen: Structure, Activation, and Regulation David M. Waisman, 2012-12-06 This volume showcases the most important developments in the area of plasminogen regulation. The book is composed of about 16 chapters dealing with a range of topics including the mechanisms of activation of plasminogen the structure of plasminogen and plasminogen activators the role of plasminogen in various physiological and pathological processes such as tumor growth and progression wound healing and fibrinolysis and the interrelationship of the plasmin MMP proteolytic systems The Clipped Microvascular Anastomosis Oliskevicius Darius, 2004 This is a Ph D dissertation The sutured vascular and microvascular anastomosis technique remains a standard procedure nowadays There is an increasing demand for ergonomic cost effective and reliable alternatives though This interest is revitalized b **Extracorporeal Shock Wave Therapy in Chronic Achilles and Patellar Tendinopathy** Koen Peers, 2003-09 Drug Eluting Stents Yanming Huang, 2003-11 This is a Ph D dissertation Role of Inflammation in the Pathogenesis of Restenosis Local Drug Delivery Using Drug Eluting Stents In Vitro Stent Implantation Optimization of Local Methylprednisolone Delivery to Inhibit Inflammatory Reaction and Neointimal Hyperplasia of Coated Coronary Stents Cytochalasin Polymer Coated Stents Reduce Neointimal Formation in a Porcine Coronary Model Long Term Biocompatibility Evaluation of a Biodegradable Polymer Coated Stent in a Porcine Coronary Stent Model Methotrexate Loaded SAE Coated Coronary Stents Reduce Neointimal Hyperplasia in a Porcine Coronary Model Local Methylprednisolone Delivery Using a Biodivysio Phosphorycholone Coated Drug Delivery Stents Reduces Inflammation and Neointimal Hyperplasia in a Porcine Coronary Stent Model Stent Based Dexamethasone Delivery From Pre Clinical Data to the Stride Trial General Discussions and Conclusions **Protein Phosphatase-1 Binding Motifs** Paulina Wakula, 2006

NuSAP, a Novel Microtubule-Associated Protein (MAP) involved in Mitotic Spindle Organization Tim Raemaekers,2003-09

Vitamin D and bone Linking the fields of vitamin D and bone with those of the nucleus and mitotic spindle Nucleus structure and dynamics Organization of the nucleus Microtubules and associated proteins Mitosis and spindle assembly Control and mechanism of spindle formation and dynamics Materials and methods NuSAP and novel MAP involved in spindle organization NuSAP expression in cultured osteoblasts regulation during development and by 1 25 dihydroxyvitamin D3 Analysis of NuSAP gene expression at the tissue level and chromosomal localization of human and mouse NuSAP Developmentally regulated expression of NuSAP in the rat testis and mouse embryo Chromosomal localization of human and mouse Nusap General discussion and perspectives

Quantification of Regional Myocardial Deformation. Normal Characteristics and Clinical Use in Ischaemic Heart Disease Lieven Herbots, 2006

Functional Anatomy of Visual Processing in the Cerebral Cortex of the Macaque Koen Nelissen, 2006 In this thesis we examined the monkey cortical regions involved in processing of color visual motion information and the recognition of actions done by others The aim was to gain better

insight in the functional organization of the monkey visual cortex using in house developed functional imaging techniques Two different functional imaging techniques were used in these studies the double label deoxyglucose technique DG and functional magnetic resonance imaging fMRI in the awake monkey Chapter 2 Both techniques allow to obtain an overview of stimulus related neural activity throughout the whole brain integrated over a limited amount of time The results of the color experiments Chapter 3 clearly showed that color related information is processed within a group of areas belonging to the ventral stream which is involved in the perception of objects Color related metabolic activity was observed in visual areas V1 V2 V3 V4 and inferotemporal cortex area TEO and TE These findings set to rest the longstanding controversial claims that color would be processed almost selectively in one extrastriate visual area V4 Zeki SM Brain Res 1973 53 422 427 These results also show the usefulness of whole brain functional mapping techniques as a complimentary approach to single cell measurements In Chapter 4 we investigated which regions in the superior temporal sulcus STS of the monkey are involved in the analysis of motion While the caudal part of the STS has been studied extensively including area MT V5 and MST little is known about motion sensitivity in more anterior ventral STS regions Using fMRI we were able to localize and delineate six different motion sensitive regions in the STS One of these regions that we termed 1st lower superior temporal had not been described so far We were able to further characterize the six motion sensitive regions using a wide variety of motion sensitivity tests The results of the latter tests suggested that motion related information might be processed along a second pathway within the STS in addition to the MT MST path which is involved in the perception of heading This second pathway which includes the more rostral motion sensitive STS regions FST 1st and STPm is possibly involved in the visual processing of biological movements movements of animate objects and actions Finally we investigated how and where in the monkey brain visual information about actions done is processed Chapter 5 and 6 We found Chapter 5 that in agreement with earlier single unit results the observation of grasping movements activates several regions in the premotor cortex of the monkey Remarkable is that these premotor regions predominantly have a motor function coding different types of higher order motor acts for instance grasping of an object These results are in agreement with earlier suggestions that we are able to understand actions done by others because observation of a particular motor act activates our own motor representation of the same act Furthermore these studies suggested that within the frontal cortex of the monkey there is a distinction between context dependent a person grasping and more abstract a hand grasping action representations In Chapter 6 we studied two other regions which are involved in the processing of visual information of actions done by others the superior temporal sulcus STS and the parietal cortex In the parietal cortex we found a similar distinction between context dependent and more abstract action representations as observed in prefrontal cortex. These results suggest that the parietal cortex is not only involved in the visual control of action planning but also in the visual processing of actions performed by others Based upon anatomical connections between the STS parietal and frontal regions and motion form and action related functional

properties of the former regions we tentatively suggest how information about actions done by others might be sent from the STS to the frontal cortex along three different pathways The latter working hypothesis will be tested in the future by additional fMRI control experiments and by combining fMRI inactivation and microstimulation experiments while monkeys perform grasping tasks and or view actions performed by others
Intravascular Catheter-related Infections Bart Rijnders, 2003 In modern day medicine the use of intravascular catheters has become unavoidable In the United States hospitals and clinics purchase more than 150 million intravascular devices each year of which more than 5 million are central venous catheters CVC
Mechanisms of Growth Hormone- and Insulin-induced Alterations in Metabolism During Critical Illness Dieter Mesotten, 2003 This is a Ph D dissertation In this thesis attention will be focuses on the mechanisms by which growth hormone and insulin modify some major metabolic pathways in light of their opposite effects on outcome of critical illness Chapter 1 comprises a bri
Characterization of the Glypican Receptor Receptor Function Bart De Cat, 2004-09

Mechanisms of Excitation Contraction Coupling in Myocytes from Normal and Chronically Ischemic Pig Ligand and Electronically Induced Activation Patterns in Myenteric Neuronal **Myocardium** Virginie Bito, 2004-09 Networks Raf Bisschops, 2005 Gastrointestinal motility regulated by hormonal myogenic and neuronal mechanisms The neuronal control consists of two elements on the one hand the extrinsic innervation by para and ortho sympathetic nerve fibres and on the other hand intrinsic intrinsic innervation by the enteric nervous system ENS The myenteric plexus as part of the ENS is to a great extent involved in the control of gastrointestinal motility. The guinea pig myenteric plexus has been the subject of intense research over the last three decades resulting in a better understanding of gastrointestinal physiology and motility The ENS comprises a large diversity of neurons Current classification schemes of enteric neurons are mainly based on the data obtained from classical electrophysical experiments immunohistochemistry and retrograde labeling techniques Electrophysiological recordings give real time information concerning the electrical activity of one impaled myenteric neuron S AH type neurons but this information is mostly limited to a single neuron Immunohistochemical staining for different neurotransmitters or different functionally relevant proteins provides information about an activity due to intrinsic technical limitations of fixation techniques UVB-Response in Human Skin and Its Modulation by the Proto-Oncogenic AKT Signaling Pathway David Decraene, 2004-09 Study of the Mechanisms Involved in the Pathogenesis of Foreign-Body Infections Caused by Coagulase-Negative Staphylococci Stefaan J. Vandecasteele, 2003-11 General introduction Quantification of the expression of Staphylococcus epidermidis housekeeping genes with Tagman quantitative PCR during in vitro growth and under different conditions Use of gDNA as internal standard for gene expression in Staphylococci in vitro and in vivo The effect of systemic administration of antibiotics on quantitative culture of explanted catheters Housekeeping gene expression in Staphylococcus epidermidis during in vitro and in vivo

foreign body infections Expression of biofilm associated genes in Staphylococcus Epidermidis during in vitro and in vivo

foreign body infections Reliability of the ica aap and atlE genes in the discrimination between invasive colonizing and contaminant Staphylococcus epidermidis isolates in the diagnosis of catheter related infections Discussions

Structure/Function Analysis of the Amino-Terminal Domain of the Androgen Receptor Leen Callewaert,2004 This is a Ph D dissertation The amino terminal domain NTD of the androgen receptor AR is indispensable for AR transactivation and contains a strong activation function 1 Its activity is affected by coregulators that influence a number of functional properties of AR The NTD of the AR is 529 aa long and is a complex domain with several functions namely p160 recruitment interaction with the LBD and it contains two transactivation functions Tau 1 And Tau 5 The aim of this study was to obtain a more detailed structure function analysis of the NTD of the AR Contents include Introduction N C Interaction in AR mediated Transactivation Polyglutamine Stretch SUMOylation of the AR Activation Function of the hAR Discussion Summary and conclusions Future Prospects

Rehabilitation in COPD Patients with Acute Exacerbations Vanessa S. Probst,2005

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ewes ram a ram is an adult intact male sheep kept for breeding purposes

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web figure 1 anatomy of ewe reproductive organs diagram courtesy of queensland dept of agriculture and forestry fertilisation conception when the ram serves the ewe they deliver a dose of semen about 1ml in volume containing 3 billion sperm the sperm travel through the vagina past the cervix and reach the uterus

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