

News Update Service

Monday, October 20, 2008: 1625 Hrs



Thinking of building your dream house Searching for good constructor...... Then you have come to the right place



Weather

Thiruvananthapuram

Ads by Google VV

New Diabetes

Treatments?

Natural Diabetes

4-Week Type 2

Diabetes Cure

Cure Type 2

Prevent & Treat

Type 2 Diabetes.

Get Quick Tips On

www.thediabetesguide.co

Diabetes Control.

Reversing Of

Your Body Can

Produce Insulin

Naturally Using

This Proven

semua.matt1a.net

Information on

Read about the

latest research into

the disease on The

New York Times

www.nvtimes.com

Method

Diabetes

Diabetes

Diabetes

Here...

Treatment Reveals

www.DiabetesReversed.

Bangalore

Hyderabad

Chennai

Delhi

ections

- **Top Stories**
- National International
- Regional
- **Business**
- Sport
- Sci. & Tech.
- Entertainment
- Agri. & Commodities Health
- Index
- **Photo Gallery**

The Hindu **Print Edition**

- Front Page
- National
- Tamil Nadu
- Andhra Pradesh
- Karnataka
- Kerala
- Delhi
- Other States
- International
- Opinion
- **Business**
- Sport
- Miscellaneous Index
- Magazine
- Literary Review
- Metro Plus **Business**
- **Education Plus**
- Open Page **Book Review**
- SciTech
- NXg
- Entertainment
- Cinema Plus
- Young World
- **Property Plus**
- Quest

New potential treatment to prevent diabetes and obesity

Report by EurekAlert

A molecule called interleukin-6 has opened new doors for the creation of new drugs against obesity and diabetes. These are the conclusions of an international project which has had the participation of researchers from Vitagenes, a company which forms part of the Campus programme promoted by the University of Granada (UGR) and situated in the Technological Park of Health Sciences (PTS).

Vitagenes has collaborated in this project through its technical director, doctor José Luis Mesa, who has been one of the main authors of the study together with distinguished scientists of the University of Melbourne and the Baker Heart Research Institute (Australia). The most relevant results of the project, such as a potential treatment to prevent diabetes and obesity, have been published in the international scientific Journal of Endocrinology.

An (un)known molecule

The main discovery has been the change of the paradigm of a molecule called interleukin-6 in the prevention of obesity and diabetes. Up to now, scientific evidence suggested that interleukin-6, chronically high in obese persons and diabetics, could be harmful for obesity and diabetes; however, this study proves exactly the opposite. "No study had tried to inject interleukin-6 directly to analyse if this molecule was really harmful or, to the contrary, could help to prevent obesity and diabetes" José Luis Mesa points out. He explains that "our hypothesis was that interleukin-6 was naturally high in diabetic and obese persons precisely to combat such diseases. In order to prove it, we injected human recombinant interleukin-6 daily for two weeks and analysed its behaviour and its effects on the metabolism".

Mark Febbraio, scientific director in the Baker Heart Research Institute and a member of the Advisory Scientific Committee of Vitagenes, points out that "we obtained surprising results. The exogenous administration of interleukin-6 improved insulin sensitivity and the absorption of glucose, essential for diabetics' In addition, according to Mesa, "interleukin-6 also increased the expression of important genes related to fats metabolism, such as PPAR and UCP2. This suggests that interleukin-6 could be involved in the metabolic control of body weight".

However, Vitagenes has also reported that this is a preliminary study carried out in animal models, and we need new studies in humans to establish definite conclusions, "although everything seems to indicate that the application in humans would be possible in the medium term. This could substantially improve the state of people with diabetes and obesity", points out Mesa.

Health

New Diabetes Treatments?

Natural Diabetes Treatment Reveals 4-Week Type 2 Diabetes Cure Here... www.DiabetesReversed.com

Diabetes Treatment

Treat Diabetes Naturally with the Power of Vitamin D & Sunlight! www.TotalHealthBreakthroughs.com

Int. Diabetes Monitor

Online articles and trends in clinical diabetes. International Diabetes Monitor.com

v v

Ads by Google

10 Rules for Stomach Fat

Shed 9 Pounds Every 11 Days with these 10 Foolproof Rules

Vν

Information on Diabetes

Read about the latest research into the disease on The New York Times

Ads by Google

Sections: Top Stories | National | International | Regional | Business | Sport | Sci. & Tech. | Entertainment | Agri. & Commodities | Health | Index The Hindu Group: Home | About Us | Copyright | Contacts | Subscription Group Sites: The Hindu | Business Line | Business Line News Update | Sportstar | Frontline | Publications | eBooks | Images | Home

Copyright © 2008, The Hindu. Republication or redissemination of the contents of this screen are expressly prohibited without the written consent of The Hindu