English □□□□□□ □□□□□ മലയാളം □□□□□ □□□□□□

Buy .in domain @ Rs 185/Year

Mail Login | Search

AFINITOR® Official Site
Int'l MDs: Clinical Trial Info for mTOR Inhibitor AFINITOR (everolimus)
www.afinitor.com/global

Biomarker Services
Discovery, Detection and Screening comprehensive and fast service
www.lcsciences.com

Human Immune Cells
Poietics® Human Immune Cells Purified cells and media
www.lonza.com

Anuncios Google

'Blast at Iranian military parade'

Nifty trades on a negative note

Mumbai RTI activist gets threat call

New therapy for lung and skin cancer found

SAVE EMAIL Me gusta ORKUT PRINT Search

Ads by Google

AFINITOR® Official Site
Int'l MDs: Clinical Trial Info for mTOR Inhibitor AFINITOR (everolimus)
www.afinitor.com/global

Biomarker Services
Discovery, Detection and Screening comprehensive and fast service
www.lcsciences.com

CyberKnife Acıbadem
Full-body treatment of tumors using image-guided robotic technology
www.acibadem.com.tr/cyberknife/en

Washington, Sept 22 (ANI): Scientists have developed a new therapy for the treatment of skin and lung cancer
.

This therapy, developed by at the University of Granada researchers, involves the use of a suicide coliphage-gene (gene E) that can induce death to cells transfected with it.

Their studies have demonstrated that this technique is not only effective in vitro (using tumour cell cultures), but also in vivo through the use of experimental animals in which tumours were induced.

Although further research is required, the results revealed gene E's intensive antitumour activity, which means that it could be used in new treatments for this type of pathology.

This study was carried out by Razl Ortiz Quesada, from the Department of Human Anatomy and Embriology, at the University of Granada, and led by professors Antonia Aranega Jiminez, Josi Carlos Prados Salazar y Consolacisn Melguizo Alonso.

In this study, gene E and gene gef -which are bacterial lysis genes- were employed. This is the first time that this type of genes is used in eukaryotic cells in the treatment of tumours. During the in vitro tests, the researchers studied the effect of these genes on the B16-F10 melanoma line. This line was then used to generate tumours in vivo and analyse their effect.

This is an experimental technique that could be used in clinical tests in the future. This new therapy was also tested on the lung adenocarcinoma A549 line. Then, they studied how these genes affect cell proliferation - both in vitro and in vivo experiments- and their mechanism of action.

To such purpose, they studied the alterations that such genes render on outer mitochondrial membranes, and carried out cell-death tests and cell and tissue morphology analysis through microscopy techniques.

Tumour growth inhibition in cultured cells of gene E and gef within 72 hours was 72pc and 35pc respectively, in comparison to in vivo experiments. Gen E action on melanoma tumours induced in mice was 70-80pc of tumour regression within 8 days of treatment.

Razl Ortiz Quesada stated that in a near future, when genetic therapies allow to improve the controlled expression of these genes in tumour cells, and reduce the risks involved in their clinical use, "they could be employed as an efficient tool in the treatment of these pathologies".

The results of this research were published in prestigious scientific journal within the field of Oncology (as Journal of Molecular Medicine) or Dermatology (as in Experimental Dermatology). (ANI)

[Read All Comments] [Post Comments]

Tiantan Puhua Hospital
Cerebral Palsy Treatment
Stem Cells Treatment in China
Click here for more information
www.StemCellsPuhua.com/ Contact Us Anuncios Google

Did you miss?

Fanapi typhoon: 13 killed, 33 missing in China

Latest story on
cwg 2010
'Filthy' Games village costs Delhi 2 more athletes

Technology
- Fujifilm unveils touchscreen camera
- Blackberry tablet to hit market on Sep
- Zen Mobiles launches dual SIM phone, M16
- Micromax unveils touch phone, Pike X510
- Fly dual SIM music mobile at Rs 3,949

Business
International
India
Cricket

Latest Comments
rahul singh On Chronology of Babri Masjid legal suits
Sundeep KV On Dantewada: Passenger train derails; no casualties
Dr Sathish Gandhi On New Zealand, Canada, Scotland delay team for CWG
suhail On Babri row: Govt bans bulk SMS, MMS till Sep 25
Mahendra Singh On Ayodhya verdict: UP in tight security, high alert