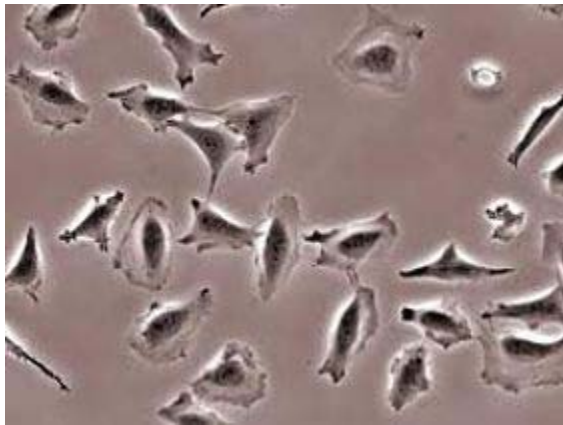


Romanian Scientists Nicolae Ghinea and Aurelian Radu, The World's Best Hope for Eradicating Cancer



Written by [Mihai-Silviu Chirila](#) on **November 7th 2010**
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The news that two Romanian scientists are getting close to a momentous breakthrough in medicine has been circulated around the entire world since the release of the first data on October 22, and was received with great hope especially by those who suffer from this terrible disease



It wouldn't be for the first time that Romanian medicine offers the world a cure for some merciless diseases. Those who suffer from diabetes should know, and some of them probably do, that the insulin shots they take to make things better were invented by a Romanian medicine scholar called **Professor Nicolae Paulescu** (he called insulin "pancreatine"). He **was denied the credit for the invention of insulin for reasons that pertain more to the tormented world political landscape of the 20th century than to science itself.**



The two team leaders explained for the Romanian press that they had studied 11 types of cells affected by cancer extracted from 11 types of cancer tissues: breast, prostate, colon, pancreas, gallbladder, kidney, lung, testicle, stomach, ovaries, and found a marker protein, a receptor for the follicle stimulating hormone.

They said that in every case this marker was present and it is possible that it could be traced also in other types of cancer. Progresses have been made so far in the study of lymphatic cancer.

Professor Nicolae Ghinea explained the meaning of this discovery by saying that that it makes possible that the marker be used as a "Trojan horse" in order to attack the cancer cells.

Professor Ghinea explained that if the pharmaceutical companies join forces,



the cure may be found in a matter of months but he added that it may take another 2-3 years until it can practically be given to people to treat cancer.

Such great news that practically concerns all the inhabitants of this planet in as much as everyone at least knows someone dear who has cancer, assuming of course that the tragedy does not befall us directly, couldn't go unnoticed and neither could go the personalities that made this miracle possible.

The teams led by Ghinea and Radu also includes professors and researchers like: Christophe Pichon, PhD; Villejuif Philippe Camparo, MD; Martine Antoine, MD; Yves Allory, MD; Anne Couvelard, MD; Gaëlle Fromont, MD; Mai Thu Vu Hai, PhD.

So, who exactly are Doctors Aurelian Radu and Nicolae Ghinea?

First thing we need to know about them, apart from that they are Romanian working abroad like many other learned Romanians who are forced by the precarious conditions of their country to find professional and personal accomplishment in other countries where they often prove a value that amazes the people living there, is that they are not doctors.

Well, actually, they are doctors of medical science, but they do not practice medicine as physicians.

In the interview given to the Romanian newspaper Gandul they said that after the word got out about their work, people from Romania, France or the United States called to ask them for guidance in treating their cancer.

Professors Ghinea and Radu are scientists and do not treat patients, so if you have a specific problem you need not bother them with a phone. Call your physician and he will prescribe you the best remedy you need to use until the outcome produce by the hard work of these professors appears in drug stores and can be used to fully treatment of cancer.



Doctor Aurelian Radu is a assistant professor of developmental and regenerative biology at the Mount Sinai School of Medicine in New York, United States of America.

He has a degree in Physics and Biophysics at the University of Bucharest, Romania, and a PhD in Cell and Molecular Biology at the Institute of Cellular Biology and Pathology.

Apart from working with professor Ghinea on the cancer marker project, Aurelian Radu is also looking into the aging at cellular and molecular levels using bioinformatics methods, and takes interest in studying the Alzheimer's disease to the purpose of probably finding some remedy for it, too.

He is co-author in books and studies on cellular biology like: *Microarray database mining and cell differentiation defects in schizophrenia*; *The Carboxy Terminal Fragment of Inhibitor-2 Protein Phosphatase-2A Induces Alzheimer Disease Pathology and Cognitive Impairment*; and the study *A mechanism of nucleocytoplasmic trafficking for the homeodomain protein PRH*, published in Mol Cell Biochem 2009.

He also published two paper works along with professor Ghinea (among others authors): *The Cleavage of thyroid stimulating hormone receptor is dependant on cell-cell contacts and regulates the hormonal stimulation of phospholipase*; and *Blood vessel endothelium expressed FSHR in a wide range of human cancer*, published in New Engl J Med 2010, Oct, 363 (17): 1621-1630 (this is the paperwork where the two professors published their results on cancer marker).

New England Journal of Medicine is the most famous journal of medicine in the entire world and publishing in it is a great honor and a certification of the value of the study published.

This journal is also in the habit, when dealing with more than one author, to place the name of he who created the project as the first name, while the leader of the project is placed on the last position.

Thus, in the case of the work in question, the journal places Radu on the first position, and Ghinea on the last: Radu A, Pichon C, Camparo P, Antoine M, Allory Y, Couvelard A, Fromont G, Vu Hai M, Ghinea N. Blood vessel endothelium expresses FSHR in a wide range of human cancers . New Engl J Med 2010 Oct; 363(17): 1621-1630.



Doctor Nicolae Ghinea was born in Ghelmeșioara, the District of Mehedinți, Romania; he went to primary school in his own village, and then he attended the renowned “Traian” High School, in the Romanian town of Drobeta Turnu-Severin.

He graduated the Faculty of Chemistry-Fine Syntheses, at the Babes-Bolyai University, in Cluj-Napoca, Romania, where he had excellent teachers like Augustin Pop, Valer Farcasan, Candin Liteanu and the actual president of the Romanian Academy, professor Ionel Haiduc.

After serving as teacher at the “Traian” High School, he worked at ICECHIM-IAMN chemistry institute in the locality of Branesti, Romania.

Since 1990, Nicolae Ghinea has been working for INSERM (Institut national de la sante et de recherche medicale – National Institute of Health and Medicale Research) being employed to study the cell trafficking of glycoproteic hormones. It is exactly what he was interested in and, according with his testimony, it was nowhere else he could have conducted his work better than at INSERM.

In 1992 he published a study in the Journal of Cell Biology referring to the transport of LH mediated by receptors at the level of animal testicles.

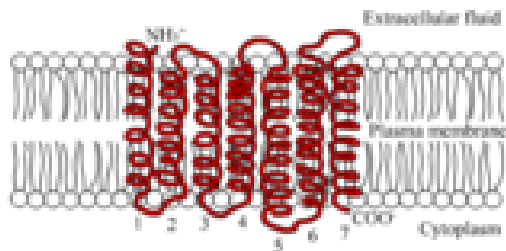
In 2004, he checked if the LH also applies to FSH (the Folliculo-Stimulant Hormone). The result was positive. This gave him the idea of using the transport mechanism of FSH in the discovery of prostate cancer.

In his words, nobody had tried this experiment, little attention being ascribed to the antibody for the receptor of FSH.

As soon as he obtained positive results he appealed to his colleague Aurelian Radu who was working at the Mount Sinai School of Medicine.

FSH-receptor Wikipedia

Summary



The follicle stimulating hormone receptor or FSH-receptor (FSHR) is a transmembrane receptor that interacts with the follicle stimulating hormone (FSH) and represents a G protein-coupled receptor (GPCR). Its activation is necessary for the hormonal functioning of FSH. FSHRs are found in the ovary, testis, and uterus.

Doctor Ghinea is now INSERM Research Director of the Unit 955 "Mondor Centre of Biomedicale Research," which issued a press release on October 20, 2010, acknowledging the findings of the Unit.

<http://www.metrolic.com/romanian-scientists-nicolae-ghinea-and-aurelian-radu-the-worlds-best-hope-for-eradicating-cancer-144464/>