

Tony Mezzadri Surf Contest

ATS took in the 11th Annual Tony Mezzadri Surf Contest at the Ocean Beach CA pier in October of 2005. This fun-filled, exciting exhibition of top-flight surfing prowess contributes to a great cause: support of spinal cord injury research. Tony was injured in a surfing accident and the good folks of Ocean Beach started this contest to help out. It's so successful that money now goes to support the UCSD lab of Mark Tuszynski and his research on regeneration after spinal cord injury. ATS is proud to be a sponsor.



Brian Russell and Leonardo Ancheta hit the beach to watch these amazing surfers.

A talented surfer hangs five during just one of many thrilling rides.



Targeting Teaser Winners

Congratulations to the puzzle solvers from our last newsletter. Each winner receives \$100 credit towards research product purchases from Advanced Targeting Systems.

The solution to the puzzle was:

Jumbles:

RELEASING
PITUITARY
ENDOCRINOLOGY
DIJON
SOMATOSTATIN
ENDORPHINS

Answer:

ROGER GUILLEMIN

WINNERS:

David Akopian, California State Univ, Northridge * Byran Hudson, Washington State Univ, VCAPP * Kris Preddy, Lakeside, CA * Miriam Burton, Kansas State Univ, Anatomy & Physiology * Andrea Morris, Panacea * Bill Stell, University of Calgary * Tania Bedard, University of Texas Health Center, Pharmacology * Dr. Bruce Pappas, Carleton University, Life Research Ctr * Jindong Ding, UNC, Dept of Cell & Devel Biology * Janice Urban, Rosalind Franklin Univ, Dept of Physiology & Biophysics * Robert Speth, Univ of Mississippi, School of Pharmacy * Seto Chice, SUNY HSC at Brooklyn



Roger Guillemin was born in **Dijon**,

France on January 11, 1924. (Happy Birthday!) He won the Nobel Prize in 1977 for discoveries concerning peptide hormone production in the brain. His work brought to light an entire new class of substances shown to be important for the regulation of growth, development, reproduction and responses to stress.

In the early 1950's, he studied experimental **endocrinology** in a program jointly conducted between McGill University and the University of Montreal. During his time in Canada, Guillemin became interested in the problem of the physiological control of the secretion of the **pituitary** gland as it was involved in the acute response to stress.

The impact of the broad expanse of Guillemin's studies has been profound for a variety of diseases and disorders, including thyroid diseases, problems of infertility, diabetes and several types of tumors.

One of the hormones studied, called growth-hormone **releasing** factor, is used to treat growth deficiencies in children; another, called **somatostatin**, is used to control internal bleeding during surgery. Guillemin also was among the first to isolate **endorphins**, brain molecules known to act as natural opiates. Following the isolation of endorphins, his work with cellular growth factors (FGFs), in addition to inhibins and activins, led to the recognition of multiple physiological functions and developmental mechanisms.

Since his retirement from the active pursuit of science in 1989, Guillemin has shifted his long-standing expertise with computers from science to art. He is using the Macintosh computer to create images/paintings that are eventually transferred to paper or canvas. Turn to page 5 for a sample of his work.

Portions of this excerpt along with additional information can be found at: <http://www.salk.edu/faculty/faculty/details.php?id=25>