

TURKISH PROFESSOR IS VISITING RESEARCH SCIENTIST



Dr. A. Cuneyt Tas, a Professor of Biomedical Engineering at Yeditepe University in Istanbul, Turkey, is spending the 2007-08 academic year at NYUCD as a Visiting Research Scientist in the Department of Biomaterials & Biomimetics. Dr. Tas is conducting calcium phosphate compound research in collaboration with Dr. Racquel Z. LeGeros, Professor and Associate Chair of the Department of Biomaterials & Biomimetics and Linkow Professor of Implant Dentistry.

schools' partnership is scheduled to
mber 2008, when a Ghanaian dental
roll in NYU's three-year Advanced
ram in Periodontics, and a second
graduate will enroll in the MS Program
Biology. Both graduates will be required
University of Ghana after graduation
ectively, the dental school's first full-
mber in the Department of Periodontics
lty member in oral biology. In addition,
plan to collaborate on research
ancer and the link between periodontal
emic conditions.

rogramming could include NYUCD-
ce learning in periodontics and
utilizing satellite videoconferencing
within the Rosenthal Institute for
try.

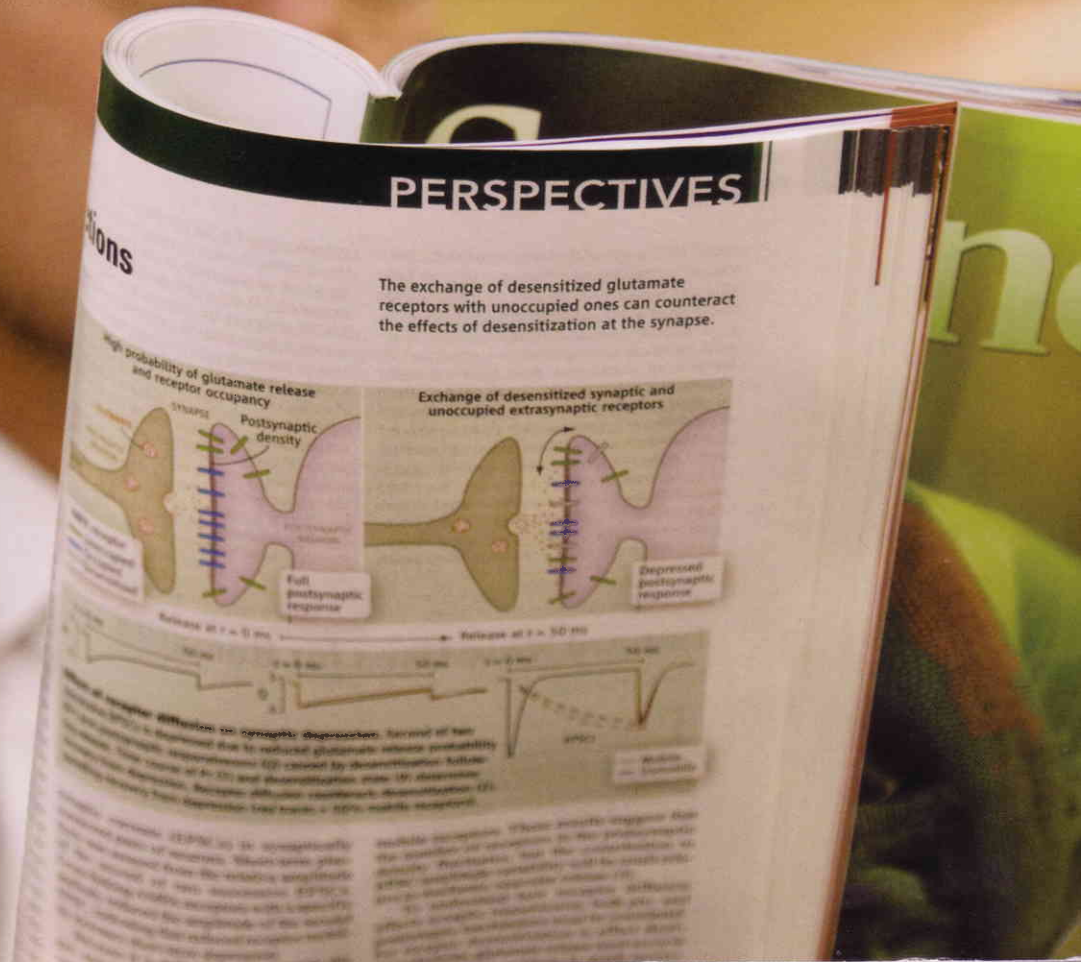
te teaching, research, and patient care
a world in which health problems
ries," said Dr. Hirsch. "This partnership
step in helping to address health issues
ly interconnected, global society."

1989, the University of Ghana
nrolls 12 students annually in each
e. In all of Ghana, a West African
llion people, there are only about

sidered a model of political and
ty among African nations, and NYU
nce in the country since 2004, when
undergraduate study abroad center
iversity of Ghana and at a second
nd Asehi University, also located in
e NYU students are currently enrolled
dy abroad program.

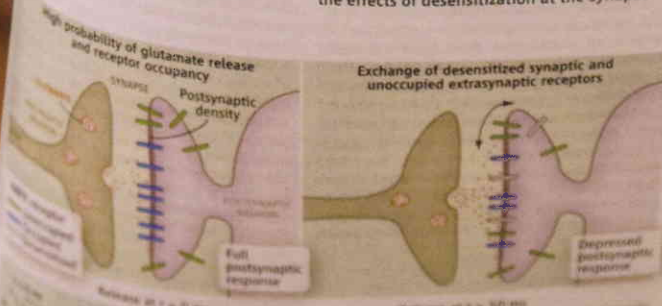
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PERSPECTIVES

The exchange of desensitized glutamate receptors with unoccupied ones can counteract the effects of desensitization at the synapse.



High probability of glutamate release and receptor occupancy

Exchange of desensitized synaptic and unoccupied extrasynaptic receptors

Full postsynaptic response

Depressed postsynaptic response

Release at t = 0 ms

Release at t = 50 ms

0 ms

50 ms

100 ms

200 ms

300 ms

400 ms

500 ms

600 ms

700 ms

800 ms

900 ms

1000 ms

1100 ms

1200 ms

1300 ms

1400 ms

1500 ms

1600 ms

1700 ms

1800 ms

1900 ms

2000 ms

2100 ms

2200 ms

2300 ms

2400 ms

2500 ms

2600 ms

2700 ms

2800 ms

2900 ms

3000 ms

3100 ms

3200 ms

3300 ms

3400 ms

3500 ms

3600 ms

3700 ms

3800 ms

3900 ms

4000 ms

4100 ms

4200 ms

4300 ms

4400 ms

4500 ms

4600 ms

4700 ms

4800 ms

4900 ms

5000 ms

5100 ms

5200 ms

5300 ms

5400 ms

5500 ms

5600 ms

5700 ms

5800 ms

5900 ms

6000 ms

6100 ms

6200 ms

6300 ms

6400 ms

6500 ms

6600 ms

6700 ms

6800 ms

6900 ms

7000 ms

7100 ms

7200 ms

7300 ms

7400 ms

7500 ms

7600 ms

7700 ms

7800 ms

7900 ms

8000 ms

8100 ms

8200 ms

8300 ms

8400 ms

8500 ms

8600 ms

8700 ms

8800 ms

8900 ms

9000 ms

9100 ms

9200 ms

9300 ms

9400 ms

9500 ms

9600 ms

9700 ms

9800 ms

9900 ms

10000 ms