



Jewish Journal

Weinbaum student does research at Israel's Technion

By DAVID A. SCHWARTZ
STAFF WRITER

Jonah Stein, a senior at the Weinbaum Yeshiva High School in Boca Raton, wants to be a doctor. But the 17-year-old Boca Raton resident went outside his comfort zone of medicine for a few weeks during the summer when he worked on a game theory project with a top research scientist at the Technion-Israel Institute of Technology.

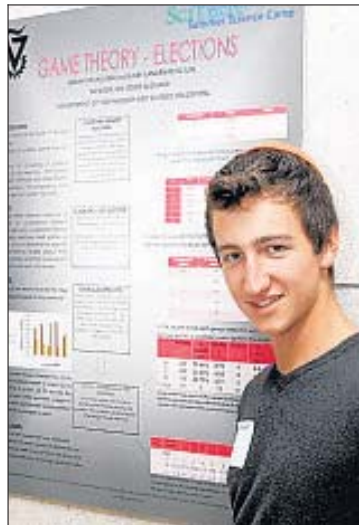
"I really wanted to be in Israel," Stein said, adding that he also wanted to be a part of "Technion nation." Researchers at Israel's premier university for science and technology have won three Nobel Prize awards in the last

eight years.

Stein said he wanted to work with stem cells but there were no opportunities for research in that area. Game theory, he said, combined math and science with analysis of human behavior and decision-making.

He and lab partner Libby Landerberg, 17, from England analyzed the electoral methods of several nations and suggested changes to Israel's electoral system. "We changed the whole idea," he said. "It's not the party that chooses the coalition, it's the people."

Stein said he liked the diversity of the high school students — the places they were from and their religions. The



Jonah Stein, 17, a senior at the Weinbaum Yeshiva High School in Boca Raton, did research in game theory at a Technion-Israel Institute of Technology summer research program for high school students.

Submitted photo

37 students in the Technion's SciTech program came from eight U.S. states, Israel, Canada the

United Kingdom, Italy and Serbia.

Stein was the fourth Weinbaum Yeshiva grad-

uate in as many years to participate in the Technion's summer research program. Others include Joshua Stadlan in 2010, Avi Feldan in 2009 and Shmuel Dresner in 2008. Stadlan, 18, of West Boca Raton, a freshman majoring in mechanical and aerospace engineering at Princeton University, said he worked on a project to develop the "electronic nose," a breathalyzer-like device that can analyze gases in human breath to detect cancer and other diseases of the lung, liver and kidney.

He said he was glad to have a summer program in a country that he loves, interact with brilliant students and make great friends. The high-

light was an overnight trip to Jerusalem where all of the students went to the Western Wall, Stadlan said.

Feldan, 20, of Boca Raton, a junior majoring in economics at Brandeis University, said he worked on research in the Technion's physics department. He studied the repetition of the patterns that metal filings make in water when an electric current goes through them. The research can be applied to medicine in the detection of glaucoma, to geology in drawing maps and to finance, Feldan said.

He said he met "really smart people with beliefs and upbringings to-

CONTINUED ON PAGE 20

▼ STUDENT

CONTINUED FROM PAGE 4

tally different from mine."

Laura Becker, director of college preparatory studies at Weinbaum Yeshiva High School,

said the school is extremely proud of the accomplishments of the students. The SciTech program, Becker added, is an "excellent match for academically talented and motivated students."



Boca Raton Forum



WEDNESDAY, OCTOBER 3, 2012

• VOL. 34 NO. 18 •

WWW.SUNSENTINEL.COM/BOCARATON

DAVID A. SCHWARTZ STAFF WRITER

Weinbaum student does research at Israel's Technion

Jonah Stein, a senior at the Weinbaum Yeshiva High School in Boca Raton, wants to be a doctor. But the 17-year-old Boca Raton resident went outside his comfort zone of medicine for a few weeks during the summer when he worked on a game theory project with a top research scientist at the Technion-Israel Institute of Technology.

"I really wanted to be in Israel," Stein said, adding that he also wanted to be a part of "Technion nation." Researchers at Israel's premier university for science and technology have won three Nobel Prize awards in the last eight years.

Stein said he wanted to

work with stem cells but there were no opportunities for research in that area. Game theory, he said, combined math and science with analysis of human behavior and decision-making.

He and lab partner Libby Landerberg, 17, from England analyzed the electoral methods of several nations and suggested changes to Israel's electoral system. "We changed the whole idea," he said. "It's not the party that chooses the coalition, it's the people."

Stein said he liked the diversity of the high school students — the places they were from and their religions. The 37 students in the Technion's SciTech

program came from eight U.S. states, Israel, Canada, the United Kingdom, Italy and Serbia.

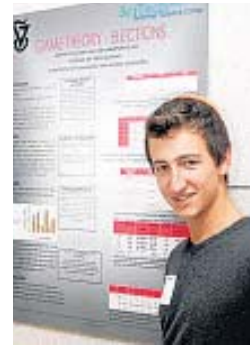
Stein was the fourth Weinbaum Yeshiva graduate in as many years to participate in the Technion's summer research program. Others include Joshua Stadlan in 2010, Avi Feldan in 2009 and Shmuel Dresner in 2008.

Stadlan, 18, of West Boca Raton, a freshman majoring in mechanical and aerospace engineering at Princeton University, said he worked on a project to develop the "electronic nose," a breathalyzer-like device that can analyze gases in human breath to detect cancer and other diseases

of the lung, liver and kidney.

He said he was glad to have a summer program in a country that he loves, interact with brilliant students and make great friends. The highlight was an overnight trip to Jerusalem where all of the students went to the Western Wall, Stadlan said.

Feldan, 20, of Boca Raton, a junior majoring in economics at Brandeis University, said he worked on research in the Technion's physics department. He studied the repetition of the patterns that metal filings make in water when an electric current goes through them. The research can be applied to medicine in the de-



RESEARCHER Jonah Stein, 17, a senior at the Weinbaum Yeshiva High School in Boca Raton, did research in game theory at a Technion-Israel Institute of Technology summer research program for high school students.

SUBMITTED PHOTO

tection of glaucoma, to geography in drawing maps and to finance, Feldan said.

He said he met "really smart people with beliefs and upbringings totally different from mine."

Laura Becker, director of college preparatory

studies at Weinbaum Yeshiva High School, said the school is extremely proud of the accomplishments of the students. The SciTech program, Becker added, is an "excellent match for academically talented and motivated students."