



Yeshiva University

2011

Undergraduate Research Abstracts

2011



**YESHIVA UNIVERSITY
UNDERGRADUATE RESEARCH
ABSTRACTS.**

*A publication of Yeshiva College and
Stern College for Women; Volume IV : 2010-2011*

Dedication

*In tribute to our friends and mentors,
Eli Steinberger z'l
(USRP Co-President 2006-07)
and
Donny Ladell z'l
(USRP Co-President 2005-06),
who we miss dearly.*

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Preface

It is with pleasure that we present the 2011 issue of Yeshiva University's Undergraduate Research Abstracts. This undertaking by the men and women of Yeshiva College and Stern College for Women represents both a unification of interests in scientific research and a dissemination of knowledge to the entire Yeshiva University.

The Science Departments at both YC and SCW encourage and direct students to broaden their educations and experiences beyond the classroom by taking part in scientific research. The number of abstracts presented in this journal attest to the numerous men and women who do, indeed, actively seek opportunities to engage in research, both on campus and at national and international institutions. Though the research projects described herein cover a broad spectrum of topics, the common denominator in this impressive collection is the commitment of dozens of students to the sciences. I have been fortunate to witness first-hand the passion and dedication of our students, as well as the way their minds develop as a result of their research experiences.

Their research abstracts testify to the quality of their efforts and contributions to the research project.

Many undergraduates begin their careers under the guidance of accomplished scientists; research internships may begin the process towards their career goals. Thus, the work of our undergraduates presented in this journal may, in fact, contain the seeds of ideas that will one day change our world.

We commend these students for their achievements and perseverance, and hope they continue to pursue their goals and meet future challenges with success.

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