

Editorial Board

Editor-in-Chief

Deepak Sobti '04

Content Editors

Nicholas Bero '04

Sam Boyer '06

Carl Filler '04

Matthew Grunert '04

Jason Moore '05

Corinne Samler '04

Senior Layout Editor

Ian Harwood '04

Layout Editors

Suzanne Golisz '05

Ravish Patel '05

Associate Editors

Rachel Blumenthal '07

Colin Bortner '07

Emily Hickey '05

Maria Erika Ilagan '07

Iris Jo '07

Iram Nadroo '07

Jason Novello '05

Mrunal Patel '07

Elise Peterson '07

Web Editor

Jeffery Hsu '07

Acknowledgements

Advisor, Director of Undergraduate Research

Thomas Krugh, Ph.D.

Dean of The College

William Scott Green, Ph.D.

Professorial Review Board

Asish R. Basu, Ph.D.

Andrew J. Berger, Ph.D.

Dana H. Ballard, Ph.D.

Jonathan Geen, Ph.D.

Kenneth Gross, Ph.D.

Daniel G. Harrison, Ph.D.

Michael K. Tanenhaus, Ph.D.

Contributors

Students' Association; Art & Art History;
Biology; Brain and Cognitive Science;
Chemistry; Earth and Environmental Sciences;
English; Economics; History; Music;
Political Science; Psychology; Religion

From the Editor

Often we move in and out of college in such a rush that it seems only a blur. Year after year we emerge from our studies in May only to ask where all the time has gone. What ultimately guides our scholarly endeavors? Dr. Rudolf Virchow, in an address to graduating medical students posits, "Medicine is a social science... if medicine is to fulfill her greater task, then she must enter the political and social life." In truth, this is the case of all fields.

Seeing our respective fields in their societal contexts compels us to be more academically and socially proactive. Research is the foremost socially-conscious activity because it creates knowledge, the primary component of social advancement. We undergraduates must not belittle our accomplishments, for our research resembles graduate level work more and more every year. In the university environment, research opportunities surround us, and we must be earnest in taking advantage of them. Irrespective of one's field, research is the key to fulfilling education's "greater task."

jur began two years ago with a simple, yet ambitious, goal: to encourage scholarly endeavors by undergraduates; today we are proud to say we are not only encouraging but also facilitating undergraduate research. In this issue you will find an expanded "Letters to the Editor" section as well as the new "Undergraduate Research Programs" section. In future issues, we will publish more letters regarding the social, ethical and scientific concerns of research; in addition, each issue will showcase three additional research programs providing the vital details and comments from recent participants of each. You will find an extensive list of research opportunities on the jur website.

This issue of jur extends into the realms of computer science, music, earth and environmental science, optics and American Sign Language. I am also proud to announce that, due to the quality of Rochester's research, and the tireless efforts of our staff, the journal is now a national publication with copies sent to over 125 research institutions.

We thank the Rochester community for its continued support and invite submissions of original research, reviews and letters. For additional information please visit our website, <http://jur.rochester.edu>, or email jur@mail.rochester.edu with any questions or comments.

Sincerely,

Deepak Sobti, '04
Editor-in-Chief