

# ASHWIN MUDALIAR

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## EDUCATION

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### Stanford University

Stanford, CA

- M.S. candidate in Biology, Class of 2010.
- B.A. candidate in Human Biology (concentration: American Health Policy), Class of 2009.
- Relevant coursework includes: Genetics, Genomics, Evolutionary Biology, Cell and Developmental Biology, Human Physiology, Organic and Physical Chemistry, Behavior and Development, Environmental and Health Policy Analysis, Micro Economics, and Patent Law.

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## RESEARCH EXPERIENCE

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### Science Policy Intern, American, Science Policy and Legislative Affairs Office

1/2008 – 3/2008

#### Association of Cancer Research (AACR) – Washington D.C.

- Involved with the efforts of AACR to represent the interests of cancer researchers in the political process. Tasks included extensive reports on federal legislation, attending committee hearings, and lobbying on the Hill for increased funding.

### Undergraduate Researcher, Sikic Lab, Stanford School of Medicine – Stanford, CA

9/2007 – Present

- Conduct research with cancer biologists on drug resistance mechanisms in breast cancer models.

### Lab Intern, Wahl Lab, Salk Institute for Biological Studies – La Jolla, CA

6/2007 – 9/2007

- Conducted research under a postdoc on the genetic properties of embryonic mammary cancer stem cells to develop an efficient means of identifying cell populations *in vivo*.

### Research Intern, Stanford Center for Biomedical Ethics (SCBE) – Stanford, CA

1/2007 – Present

- Analyze federal legislation dealing with race and genomic medicine and the commercialization of personalized medicine.

### Research Associate, California Healthcare Institute (CHI) – La Jolla, CA

6/2006 – 9/2008

- Evaluated the technological transfer policies of California's academic research institutions.
- Undertook independent research projects on issues including personalized medicine, diabetes, and academic funding.

### Research Intern, Nigam Laboratory, UCSD School of Medicine – San Diego, CA

6/2002 – 6/2005

- Investigated the differences in renal expression of genes relating to drug metabolism in different demographic groups through the use of high output genomic technology.

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## LEADERSHIP / ACTIVITIES

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### President, Stanford Democrats

6/2008 – Present

- Organized and coordinated the largest voter registration effort in Stanford history.
- Previously held positions of Vice President of Political Affairs (07-08) and Executive Board Member (05-Present).

### Head Kitchen Manager, Stanford University Student Residence

9/2008 – Present

- Responsible for the dietary needs of 50 undergraduate students living in a university house.
- Operate an \$80,000 yearly budget.

### Course Leader, Political Science 21SI: *Road to the White House: A Closer Look at the Front Runners for the 2008 Presidential Election*. Stanford Political Science Department.

### Center Director, The Roosevelt Institution, Center on the Media

12/2005 – 9/2006

- Responsible for the center on media analysis at the Stanford chapter of nation's first student think tank.

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## PUBLICATIONS

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- Lee, Sandra S., and Ashwin Mudaliar. "Racing Forward: The Genomics and Personalized Medicine Act." *Science*. 323 (2009): 342.
- Contributor, *2006 California Biomedical Industry Report*.
- Mudaliar, A. "MicroArray Analysis of Gender Based Differences in Renal Gene Expression: Comparison of gene expression in the kidneys of male and female mice using the DNA MicroArray Mgu74Av2." *Ethnicity & Disease*. 2005: 15(3):S4-82.

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## AWARDS

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- **UAR Major Grant:** Received financial support from Stanford University for project *Characterization of XRP6258- and XRP9881-Resistant MCF-7 Human Breast Carcinoma Variants*.
- **Boothe Prize Nominee (2005):** Stanford University award in recognition of excellence in first-year writing – *The Decline of Sufism: Non-dualistic individuality in the face of dualistic conformism*.
- **Presenter, Aventis International bioGENEius Challenge at the Biotechnology Industry Organization (Bio) International Convention (2004)** – San Francisco, CA
- **Invited presenter, World Congress of In Vitro Biology (2004)** – San Francisco, CA