

# STRONG POSTER PRESENTATION EXAMPLES

Examples and Strengths List From

<http://www.utexas.edu/ugs/ugr/poster/samples#stem>

# Strengths in Science, Technology, Engineering, Mathematics Example Posters\*

- ▣ Poster 1 (Parasite Spillback)
  - Multiple types of visual aides
  - Logical visual strategy
  - Acknowledgements
- ▣ Poster 2 (Electrical Stimulation)
  - White Space
  - Legible text and graphics
  - Reports preliminary results
- ▣ Poster 3 (Microbial Legacy)
  - Accessible to multiple audiences
  - Clearly defined research questions
  - Effective use of visual aids

\*Example Posters follow

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Bridging Disciplines Program

## What is parasite spillback?



Parasite spillback is a process that describes the feedback of native parasites from new host species to native hosts.

- First, native parasites infect introduced or invasive host species.
- With a new host, parasites flourish.
- Now, parasites return to native species with increased infection and disease rates.

Salmonids Brown trout *Salmo trutta* (originating from Europe) and rainbow trout *Oncorhynchus mykiss* (North America) were first introduced to New Zealand waters in the late 19<sup>th</sup> century. Their effects on local and native stream communities as a non-indigenous species include lesser-studied effects such as parasite spillback and dilution.

Unpublished Kelly, D.B., Paterson, R.A., Townshend, C.R., Poole, R. & Tompkins, D.M. "Parasite spillback: a neglected concept in invasion ecology?"

## Could parasite spillback be a cause of native species loss and local level extinction?

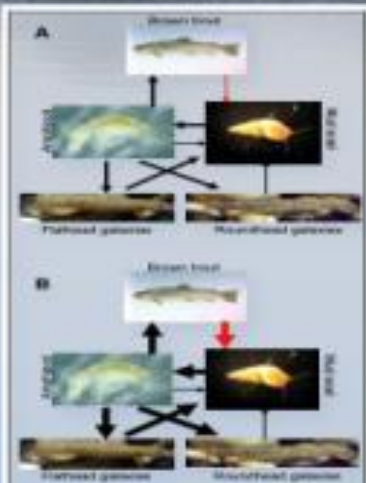


Fig. 2. Relative clone sizes of 11 native stream invertebrates to two hypothetical scenarios

## My Experience

I spent five months interning with this project, conducting various lab and field tasks. In the laboratory, I counted the invertebrates from lake benthic sediment samples. I also conducted lipid analysis on galaxiids, brown trout, and bully. In the field, I helped as we set nets and traps for fish. We also collected benthic sediment and zooplankton samples.



## Discussion

Native species loss is a critical issue throughout the world in many different environments. This map from Conservation International shows biodiversity hotspots where over at least 70 percent of native species are already lost. The most biodiverse regions, including New Zealand, are also the ones most at risk.



Competition and predation are the traditional impacts of invasive species on native species, but disease driven impacts are becoming more widely recognized and researched. Whereas parasite spillover is already an accepted form of disease driven impact, parasite spillback can potentially be more widely used as a tool for describing and understanding impacts of invasive species and native species loss.

A parallel study with similar methods is currently being conducted by the same team of researchers in Argentina. Other areas of the world where parasite spillback has been researched include a study of competing native and invasive grasshopper populations in California. (Settle and Wilson 1990) With more awareness of this issue, more research and studies will hopefully begin and consider parasite spillback as a potential cause for native species loss, potentially helping reverse the trends in global hotspots.

Settle, W. H., & Wilson, C. (1990). Evidence for the ecological effects of introduced grasshopper populations on native grasshoppers. *Ecology*, 71, 1051-1055.

## Objectives:

1. Test whether the presence of brown trout *Salmo trutta* and their parasite abundance is correlated to increased infection rates in four native species fish.
2. Identify for native fish and brown trout seasonal variations in infection intensity.
3. Understand the impact of parasites on host's condition, survival, and reproductive potential through captivity experimentation for all five host species. Parasite transmission to, establishment in, and mortality in different host species will also be identified.
4. Use multi-host and shared-parasite stochastic simulation models.
5. Consider global implications of this model by applying it to an Argentine system and conducting a literature survey of the abundance of shared parasites in native and exotic freshwater fish.



## Methods

- Analyze freshwater fish communities in lakes and streams
- Field surveys
- Host autopsies
- Infection trials
- Mathematical modeling



Unpublished Kelly, D.B., Paterson, R.A., Townshend, C.R., Poole, R. & Tompkins, D.M. "Parasite spillback: a neglected concept in invasion ecology?"

Acknowledgements:  
Professor Robert Poole and Professor Colin Townshend of the Evolutionary and Ecological Parasitology Group.  
Dr. Daniel Tompkins of Landcare Research.  
Funded by The Royal Society of New Zealand Marsden Fund



# Effects of electrical stimulation on Schwann cell migration on polypyrrole substrate

2

Jose Ybarra<sup>1</sup>, Leandro Forciniti<sup>2</sup> & Christine Schmidt<sup>2</sup>

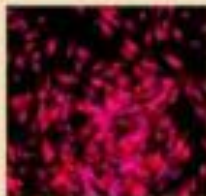
<sup>1</sup>School of Biological Sciences, <sup>2</sup>Department of Biomedical Engineering, Cockrell School of Engineering

## Background

- Nerve injuries affect about 100,000 people in the US every year
- Nerve damage is difficult to repair, and often does not heal on its own

## Why Schwann cells?

- Successful treatment requires nerve cells to migrate across the injury
- Schwann cells are associated with nerve repair after injury
- Migrate to site of injury to protect endoneurial tube
- Direct nerve growth with growth factors
- Axons are known to be able to regenerate through conduits formed by proliferating Schwann cells
- Study effects of electrical stimulation on Schwann cell migration to optimize treatment



Schwann Cells cultured on Ppy-Tosylate

## Current Treatments:

### Autologous nerve graft



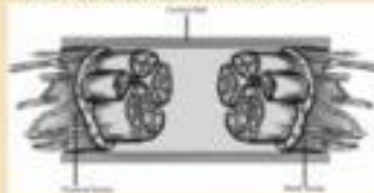
Requires donor nerve tissue to bridge injury gap (results in loss of function at donor site)

### End to end connection



Stretching the nerve causes tension which can result in pain and difficulty of use

### Nerve Guidance Conduit



- Provides more efficient and natural treatment
- Electrical stimulation has been shown to aid in recovery

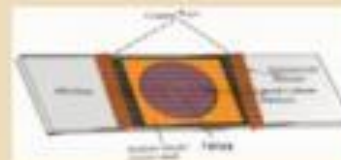
## Methods

Electropolymerization of polypyrrole (Ppy) on Indium Tin Oxide (ITO) slides



Three-electrode setup for Ppy electropolymerization

**Cell Culture/ Electrical Stimulation Set-up**  
Cells are stimulated with constant current through the substrate via copper tape using a two electrode set-up



### Migration assay:

Using a 10mm diameter ferrule for a well, cells are allowed to adhere to the substrate, and are observed for movement and imaged at 24, 36, and 48 hrs

## Preliminary Results

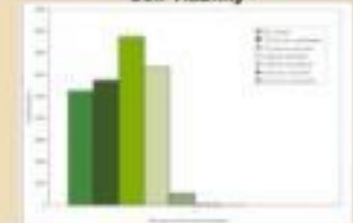
### Unstimulated Cells



### Stimulated Cells



### Cell Viability



### Conclusion

We hope to find that upon electrical stimulation of Schwann cells, the cells orient themselves and migrate in a specific direction (with the current, against the current, toward the cathode or anode, etc.). Specific migratory patterns could be used to optimize treatment using nerve guidance by affecting orientation and direction of the applied electrical field.

## Introduction

- Nitrogen(N) cycle plays a key role in ecosystem and every transformation of the N cycle driven by microbes.
- Restoration attempts on converting abandon rangelands in south Florida back to the native scrub ecosystems allow a unique opportunity to study persistent effects of previous vegetation left on the microbial community and ecological processes.
- Biological crust is essential for native ecosystem.

## What is Crust?

- A surface layer of "Living Soil", consisting primarily of cyanobacteria, algae, fungi and their byproducts.
- Supports many biological functions like N fixation and water infiltration control.



## Questions

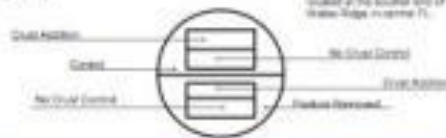
- How does native crust affect microbial legacy?
- Which impacts the N-cycle more? Microbial abundance or composition?

## Field Site: Native scrub lands and abandoned pastures at Archbold Biological Station.

- Sites are abandoned pastures and native scrub lands subjected to pasture removal treatments and crust addition treatment(Fig 2).



Fig. 2. Plot design



Heavily pastured

Lightly pastured

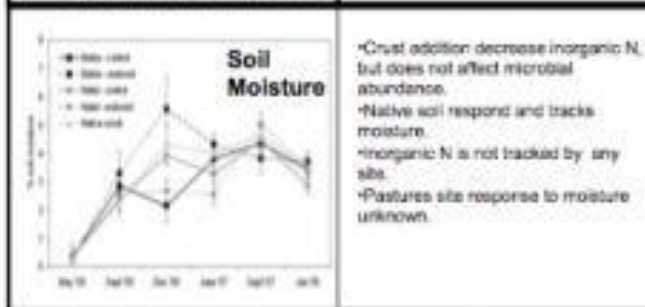
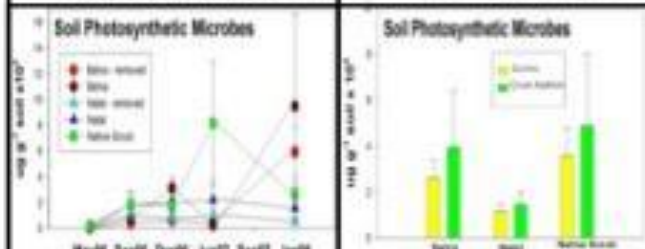
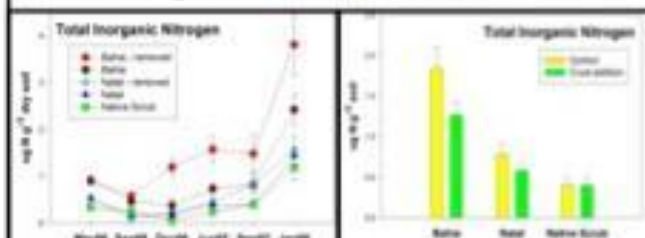
Native scrub



## Method

- Biogeochemical
- KCl extraction
- Photosynthetic activity determine by fluorometry.
- Molecular approach
- PCR
- RFLP
- Direct sequence analysis

## Soil Nitrogen, Photosynthetic Microbes Abundance, and Moisture changes over time and treatment

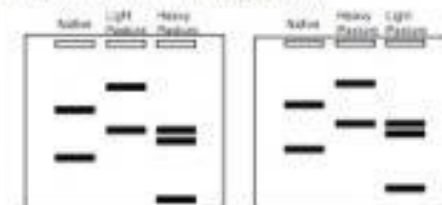


- Crust addition decrease inorganic N, but does not affect microbial abundance.
- Native soil respond and tracks moisture.
- Inorganic N is not tracked by any site.
- Pastures site response to moisture unknown.

## Possible mechanisms

- Pasture vegetation has caused a shift in soil microbe community and chemistry.
- Frequent disturbance favor more resilient microbes and changes community composition.

## Sample restriction fingerprint



- DNA based fingerprints allow characterization of community difference.
- Couple with clone library will allow identification of species.

## Conclusion

- Inorganic nitrogen increases over time, and pasture sites both have higher inorganic nitrogen than the native.
- Crust treatment helps increase nitrogen fixation, but does not increase microbial abundance significantly.
- The microbial abundance does not track N, but does track moisture.
- Composition may be the more important factor in N-cycling.

## Acknowledgment

- This project was supported by the National Research Initiative of the USDA Cooperative State Research, Education, and Extension Service, National Science Foundation and the Department of Defense.
- Special thanks to all members of the Hawkes lab, Juenger lab, and Manges Lab.

# Social Science Example Posters

## Strengths

- ▣ Poster 1 (Demographic Shifts)
  - Venn diagram in discussion
  - Consistent graphics
  - Multiple types of visual aides
- ▣ Poster 2 (Juvenile Delinquency Program)
  - Effective Title
  - Consistent Graphics
  - Limitations of study part of discussion
- ▣ Poster 3 (Bridging the Gap)
  - Easy to read
  - Clearly defined research question
  - White Space



# Demographic Shifts in the City: Comparisons of the Populations of Tokyo and Mumbai Over Time



Timmy Huynh • Advisor: Dr. Shannon Cavanagh  
Department of Sociology and Population Research Center • The University of Texas at Austin  
Bridging Disciplines Program • Social Inequality, Health & Policy



## Introduction

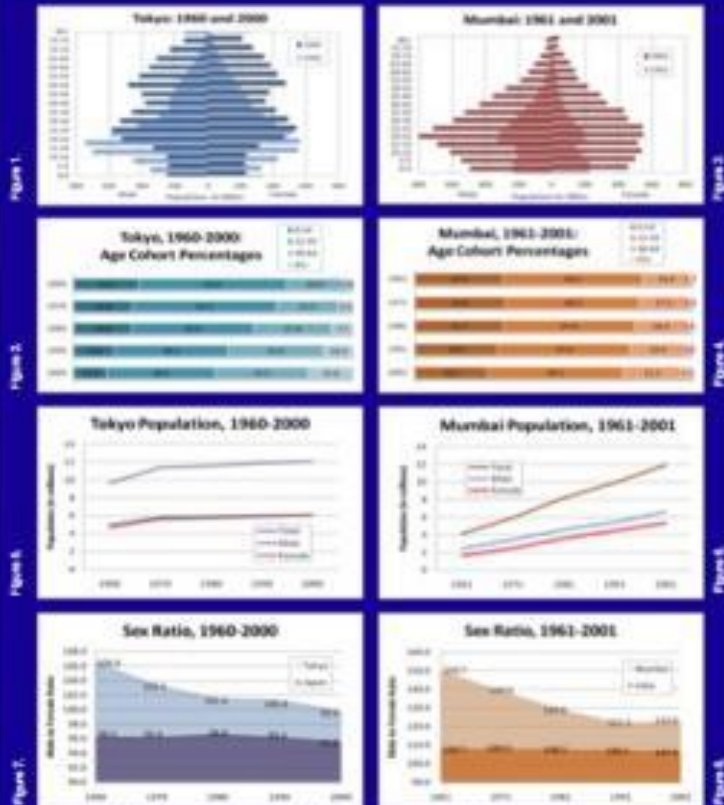
The development of a city speaks volumes about the situation of the city at hand. In order to try to understand the workings of city development and growth, two of the world's largest cities (Tokyo and Mumbai) with current populations of about 12 million will be studied demographically over a forty-year period (1960-2000 and 1961-2001, respectively).

Tokyo	Mumbai
<ul style="list-style-type: none"> <li>Highly advanced city to highly-developed Japan</li> <li>Total population changes little from 1960-2000</li> <li>Age and sex composition of Tokyo population changes drastically from 1960-2000</li> </ul>	<ul style="list-style-type: none"> <li>Developing city to quickly-developing India</li> <li>Total population grows rapidly from 1961-2001</li> <li>Age and sex structure remains relatively the same during the same period</li> </ul>

## Background

Decade	Tokyo	Mumbai
1960s	Economic boom from Korean War in 1950s and new technologies	Newly appointed capital of India state Maharashtra, urban riots
1970s	Oil Crisis of 1973 slowed economic growth	Increased road traffic; Bombay Metro Region Development Authority
1980s	Rapid economic growth as Tokyo transitioned into technology giant	Economy begins to expand beyond textiles, becomes major port
1990s	Recession in finance industry	Religious riots, resumed Mumbai from Bombay
Today	Tokyo boasts the largest city GDP in the world, largest urban area in world	Financial and entertainment center of India, largest city proper in world

## Data: Graphs and Charts



## Discussion

### Commentary on data

<p>Figure 1: The size of Tokyo's population remains mostly the same, but its composition changes dramatically.</p> <p>Figure 2: Focus on age composition. Tokyo's younger cohorts are proportionately shrinking while the older, growing.</p> <p>Figure 3: Tokyo's total population increases steadily but only slightly from 1960 to 2000.</p> <p>Figure 4: Tokyo's sex ratio decreases over time toward Japan's sex ratio and away from the world average of 107.</p>	<p>Figure 1: Mumbai experiences massive population growth, but its population structure remains about the same.</p> <p>Figure 2: Focus on age composition. Mumbai's age composition remains relatively steady.</p> <p>Figure 3: Mumbai's total population grows rapidly, gaining about 3 million every decade.</p> <p>Figure 4: Mumbai's sex ratio also decreases toward its country's sex ratio and also toward the world average of 107.</p>
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### Points to consider

Tokyo	India	Mumbai
<ul style="list-style-type: none"> <li>Aging of population and shifting of economy to information technology industries</li> <li>Excessives correlated with dips in younger age cohort drops</li> </ul>	<ul style="list-style-type: none"> <li>Compositional shift versus total growth of city population</li> <li>Steady "aging" of the population</li> </ul>	<ul style="list-style-type: none"> <li>"The youth bulge" throughout 1961-2001</li> <li>Diversification of Mumbai economy and decrease in the sex ratio</li> </ul>

## Acknowledgements and References

I would like to thank Dr. Cavanagh for her role as my research advisor and the Bridging Disciplines Program for allowing me the opportunity to do my own research paper.

References for the graphs and other uses from the following sources: Tokyo Metropolitan Government, Bureau of General Affairs, Statistics Division, Coordination Section, India Census (1961, 1971, 1981, 1991, 2001), World Population Database, United Nations. They were created in Microsoft Office Excel 2007.





# Effectiveness of a Juvenile Delinquency Program Staffed by Social Work Interns

**Brittany Burch**  
 School of Social Work  
 The University of Texas at Austin

**Purpose:** To provide a detailed quantitative understanding of the DPU-SWIFS client population, the outcomes of those served, and the characteristics of those who successfully complete the program and what interventions produce the best results

## What is DPU-SWIFS?

The Social Workers in Family Services Program of the Travis County Deferred Prosecution Unit (DPU-SWIFS) is a program in Austin staffed by social work interns from the UT School of Social Work. DPU-SWIFS is a prevention and treatment program for juveniles who have committed minor crimes.

## This Study

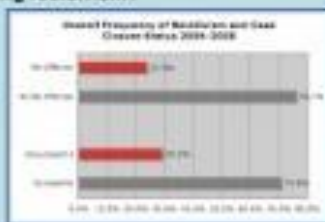
This program evaluation is an exploratory study designed to examine the effectiveness of the DPU-SWIFS Program. Quantitative data on all juveniles (n=144) who have gone through the program from 2006-2008 were collected, coded and analyzed. Case information was directly obtained from records kept by social work interns and DPU staff, stored on the Caseworker computer databases at the Travis County Juvenile Probation Annex.

## Results

**Question 1: What is the overall effectiveness of DPU-SWIFS in reducing recidivism?**

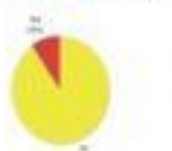
Program effectiveness was measured by:

1. Case closure status
2. Prevalence of recidivism



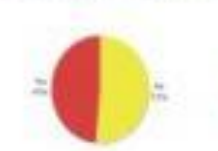
Successful case closure status had a strong, negative correlation to recidivism.

Recidivism in the Successful Population



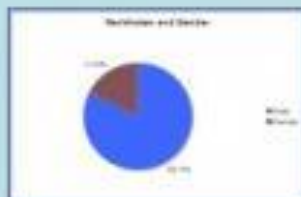
10% of the program youth who completed the program successfully re-offended and 90% did not re-offend.

Recidivism in the Unsuccessful Population



51% of the program youth who were unsuccessful in completing the program re-offended and 49% did not re-offend.

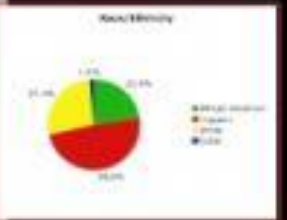
**Question 2: Does effectiveness vary by demographic characteristics such as race/ethnicity or by other social, academic/developmental, or program specific factors?**



Gender was significantly correlated to recidivism. Of the program participants who re-offended 82.4% were male and 17.6% were female.

## Key Characteristics of the DPU-SWIFS Youth Population:

<b>Race/Ethnicity</b>	<b>Family Language</b>
African American: 22.9%	English: 92.6%
Hispanic: 49.4%	Spanish: 7.4%
White: 27.7%	<b>CPS Involvement</b>
Other: 1.0%	No: 79.4%
<b>Gender</b>	Yes: 20.6%
Male: 67.4%	<b>Parenting/Visiting</b>
Female: 32.6%	Parenting: 40.3%
<b>Family Structure</b>	Parenting/Visiting: 41.7%
Single Parent: 76.7%	Parenting: 1.4%
Two Parents: 16.7%	<b>Middle School / High School</b>
Other: 6.6%	Middle School: 55.6%
<b>Living Household</b>	High School: 44.4%
No: 90.2%	<b>Prior Offense</b>
Yes: 4.2%	No: 95.8%
Not Suspected: 5.7%	



Program youth with increased academic success had a higher percentage of successful case closures and a lower rate of recidivism.



### Other Statistics:

- 84.8% of African American program youth, 64.3% of Hispanic youth, and 71.8% of White (Non-Hispanic) youth closed their cases as successful.
- 73.2% of males and 60% of females closed their cases as successful.
- 28.9% of program youth who lived in single-parent households re-offended and 18.2% of youth who lived in two-parent households re-offended.
- 44.8% of youth who had experienced CPS involvement received successful case closures and 77% of youth who had not experienced CPS involvement received successful case closures.
- 66.7% of youth who were in a gang at the time of intake re-offended, 42.9% of those who were suspected to be in a gang re-offended, and 22.5% of those who were not suspected or part of a gang re-offended.

**Question 3: Is receipt of particular services offered by the Program related to recidivism?**

- Unsuccessful completion of Community Service Restitution hours was strongly correlated to recidivism:
  - 40.9% of program youth who did not complete their CSR hours re-offended and 14.8% of those who completed their CSR hours re-offended.
- Participants who completed all programs referred to them recidivated significantly less than those who completed none of the programs referred to them.



Among youth who completed all of the programs to which they were referred 17.6% re-offended. Among youth who did not complete any of the programs to which they were referred 40.9% re-offended.

## Limitations

- Life could be concluded about the nature of change in the program over time
- The true effectiveness of most services provided could not be measured because of inconsistent records
- Several variable relationships were not statistically significant due to a limited sample size
- Causal relationships were not determined due to the vast amount of data collected, the exploratory nature of the study and time constraints.

## Recommendations

- I encourage the social work interns of the DPU-SWIFS Program to adopt the categorization process utilized in this study for the sake of standardization, professionalism, and the enhancement of their ability to relate success to other entities
- Implications for future research: Qualitative studies considering both intrapersonal characteristics and interpersonal interaction

**Acknowledgements:** Faculty mentor, Professor Mary Mulvaney Funding and Support, Undergraduate Research Fellowship from the Office of Undergraduate Research, UT Bringing Disciplines Program



# Bridging the Gap:

## Improving Access to Local Food in Austin Elementary Schools

Acknowledgements: Faculty Advisor: Dr. Beth Holly, a College of Education's Office of Undergraduate Research Studies

Holly Harkrider at The University of Texas at Austin College of Education hollyharkrider@mail.utexas.edu

### Research Questions:

What are the current barriers and affordances to local food access in Austin area elementary schools? What points in the phases of production and distribution of food from farm to cafeteria could be altered to allow local farmers to supply products to school lunch programs?

### Purpose:

To identify the barriers and affordances for incorporating local foods into school lunch programs and propose a plan for a future program model.

"Re-localization...lies at the core of the concept of community food security, which advocates food systems that strengthen localities and communities by creating spatially closer links among two or more food system activities."

(Petrusich, 2004, Page 285)

### OBSTACLES BETWEEN FARMS & SCHOOLS



### Emerging Results:

My emerging research suggests the complexity and difficulties of the school food system in the Austin area and around the United States. The most pervasive barriers that occur across one or more areas with the cycle of food from farm to school are related to monetary and leader support—policy, models, education, school district officials. While these barriers do prevent access to local food in schools, the affordances may be able to serve as an aid to "bridge the gap" and make this an option in our schools.

### Background:

With over 28% of Texans currently suffering from obesity, we are in dire need to find a way to become healthier and ensure positive outcomes for future generations (CDC, 2008). For many children, "school lunches are their most nutritious meal—sometimes the only meal—of the day" (USA Today, 2009). With the numerous benefits to local food, why do more schools not procure their food services to vendors instead of purchasing from the farms in their communities? Local food:

- Is less processed and usually grown using fewer pesticides
- Is fresher because it has spent less time traveling (NY Times, 2008)
- Supports the local economy
- Takes a shorter distance, requires less fuel to transport and is therefore easier on the environment
- Is less susceptible to pesticides (Associated Press, 2008)
- Helps to ensure positive futures for smaller farmers

### Problems:

Debates about obesity being always better, economically or health-wise:

- "Having the food be natural is nice, but a bigger threat to children's health is making sure that there's not too much salt and not too much saturated fat" (Margo Wooten, 2008)
- "Local and green are not necessarily better than 'global' and 'far'" (Morgan and Soriano, 2008)

### Affordances

#### For Choosing Local Food

- School Food Service staff training
- Supportive legislation and public policy
- Teacher and school staff support
- Community and parent interest
- Wide availability of local farms and gardens
- Partnership with local NGOs

### Barriers

#### To Getting Local Food In Schools

- Cost
- Knowledge and Equipment
- Awareness and Information
- Legal Issues
- Leadership and support
- Student Preferences
- Provided commodities by the USDA
- Logistics
- Produce growing season
- Incentives, revenue from FMNVs

### PROPOSED METHODS:

My approach is rooted in what is in the Community Theory of qualitative research methods developed by Lincoln and Guba, which suggests "to gain meaningful, to developing theory that is grounded in data systematically gathered and analyzed" (Lincoln, 1998). This also will help to identify the resources in the farm to school ecology and to understand the previous and current environmental status across land programs in the Austin area. Future research topics will need to identify the requirements and what data needs to develop an emerging research theory. The data will be analyzed using qualitative research methods and content analysis of my documents as described by Lincoln and Guba (2003). A future goal for my research would be to analyze and synthesize content data to develop a model for how to approach these barriers and affordances more broadly in the future.

<h4>Non-Governmental Organizations</h4> <p>Who has been successful here in the past, or what are they learning, doing in a community?</p> <p>Are there barriers facing them that they can't overcome on their own?</p> <p>What would they need to get started?</p>	<h4>Local Farmers</h4> <p>What are your biggest challenges and what do you need to succeed?</p> <p>What would you like to see in a school district?</p> <p>How do you think a partnership would benefit you? The school?</p>
<h4>School District Staff</h4> <p>Who are the staff members who are most successful in getting local food in their school cafeteria?</p> <p>What would you like to see in a school district?</p> <p>How do you think a partnership would benefit you? The school?</p>	<h4>Educators</h4> <p>How do you think a partnership would benefit you? The school?</p> <p>What would you like to see in a school district?</p> <p>How do you think a partnership would benefit you? The school?</p>
<h4>Meat &amp; Dairy</h4> <p>Green Gate Farms Barnison Farms</p>	<h4>Public Policy</h4> <p>Capitol Hill, Austin, TX 1001 Congress Ave, Austin, TX 78701 1001 Congress Ave, Austin, TX 78701</p>

### AUSTIN FARMS

<b>Vegetables, Fruits &amp; Herbs</b> Johnson's Backyard Garden Boggys Creek Farms Green Gate Farms Springdale Farm	<b>Eggs</b> Hands of the Earth Farms No. and Springs/Green Urban Hatchery Neighborhood Farms
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And according to localtimes.org, there are **75** more local farms in the Austin area, or what **50** miles of our Capital building.

# Humanities & Creative Example Poster Strengths

- ▣ Humanities
  - Clearly defined research question
  - Easy to read
- ▣ Creative
  - Coming soon
- ▣ For helpful content hints please visit [http://www.utexas.edu/ugr/poster/create\\_message](http://www.utexas.edu/ugr/poster/create_message)



# سپاه پاسداران انقلاب اسلامی

## Iran's Islamic Revolutionary Guard Corps An Evolution: 1979-2009

By: Sarah Golkar

Advisor: Dr. Ami Pedahzur

BDP: International Studies, Transnational Security and Terrorism



### Total Forces

- Army of the Islamic Republic: 350,000
  - Army
  - Navy
  - Air Force
- Islamic Revolutionary Guard Corps: 120,000
  - Army
  - Navy
  - Air Force
- Jerusalem Force (Al-Qods): 1,000 elite soldiers
- Volunteer Militia (Basij): 90,000
- Law Enforcement (LEF): (120,000)



## Is the revolutionary guard an impediment to regime change?

### Conclusions

• Since 1979, Iran's Islamic Revolutionary Guard Corps and its peripheral infrastructure have steadily crept into social, economic, and political dominance.

• The organization's disregard for popular, and partisan opinion, use of violence to quell dissent, and ideological indoctrination suggests that it is the chief institutionalized impediment to internal and external democratic reform movements.

• Given the IRGC's seeming omnipotence in all sectors of society, politics, and economy, a regime change of political elites would negligibly affect the authoritarian tendencies and Islamic fundamentalist nature of Iran.

### Government Structure



### Literature Review

Source	Information	Reliability
Iran Corp.	Research, Graphs	Very Reliable
Alfonsen, Al	White Paper	Reliable
Middle East Institute Viewpoint	Charts, Graphs, Statistics	Reliable
OPR Background	Summary, Structures	Fairly Reliable
Buchta, Wilfried	White Paper	Reliable
Jerusalem Center for Public Affairs	Investigative Report	Reliable
Cordeman, Anthony	White Paper	Very Reliable
Norton, Augustine	Book, Handbook	Reliable
Kermani, Navid	White Paper	Reliable

### Major Findings

#### Society (Basij)

- Ensure adherence to Sharia Laws
- Conduct Domestic Surveillance
- Indoctrinate Youth
- Train Paramilitary
- Disaster Relief
- Censorship
- Protect Regime
- Produce Media: TV, Radio, Print



#### Foreign Policy (Al-Qods)

- Export Revolution
- Collect Intelligence
- Conduct Paramilitary Operations
- Fund Terrorist Organizations



#### Economy

- Public Works Foundations (Bonyads)
- Construction
- Infrastructural Engineering (Ghorb)
- Manufacturing
- Shadow Economy

#### Politics

- Dominated by Conservatives
- Clash with Reformists
- Interfere in elections

