Future Chinese Technological Advancement as a Threat to U.S. National Security: Using Cultural Analysis for Anticipatory Intelligence

Emily Turner, Undergraduate Honors Student
Student Research Symposium 2018
Key Research Takeaway

Should the current practices of the Chinese scientific community continue uninhibited, China’s rapid modernization, beyond the ethical red lines that U.S. research and development adheres to, will likely result in Chinese technological superiority with military, economic, and political applications that the U.S. will not be equipped to counter.
Research Methodology

- Audience: U.S. Policymakers
- Purpose: Anticipatory Intelligence

Process
- Cultural Analytic Tools
- CTOPs Methodology
- Open Source Intelligence
- Unconventional Resources
Chinese Scientific Community

- **Subgroup includes:**
  - Public, Private Sector
  - Geneticists
  - Biomedical
  - Tech. Giants
  - Academic Researchers

- **Subgroup impacts:**
  - Policy on Innovation
  - Biotechnology
  - Weapons Technology
  - Artificial Intelligence
  - Economic Prospects
China’s Goal of Predominance

“China previously dominated the world, we will become leaders again.”

- Xiao OuTang, Chinese University of Hong Kong
Disparities Identified Through Research

China

U.S. and Western Powers
Implications

- U.S. Need to Prepare for Future Technology Gap
- Threat to:
  - U.S. Hegemony and Current World Order
  - U.S. Economic, Military, Political Predominance
- Cultural Analysis as a Research and Intelligence Tool
QUESTIONS?