Tables and Figures

Tables

1.1 Delineating the Work Devotion Schema and the Schema of Scientific Excellence in Cultural Definitions of Merit in STEM 7

1.2 How the Schemas of Work Devotion and Scientific Excellence Reproduce Inequality 13

1.3 How the Schemas of Work Devotion and Scientific Excellence Are Bad for STEM Professionals and Scientific Innovation 15

3.1 Means and Standard Errors of Dependent and Independent Measures (N = 266) 47

3.2 OLS Regression Predicting Respondents’ Reports of Flexibility Stigma in Their Departments with Demographics, Family, and Work Circumstances (N = 266) 48

3.3 OLS Regression Predicting Log Average Articles Published per Year Using Demographics, Job, Research Time, and Motherhood Status (N = 266) 50

3.4 OLS Regression Model Predicting Log Salary Using Demographics, Job, Productivity, and Motherhood and Fatherhood Status (N = 266) 62

3.5 OLS Regression Models Predicting Persistence Intentions and Job Satisfaction with Flexibility Stigma and Controls (N = 266) 64
A.1 OLS Regression Models Predicting Self-Conception Measures with Gender, Race/Ethnicity, Department, and Career Stage 171

Figures

3.1 Average Values on Work Dedication Measures and the Work Dedication Scale 42
3.2 Predicted Work Dedication by Gender, Underrepresented Racial/Ethnic Minority (URM) Status, LGBTQ Status, and Parenthood Status 42
3.3 Mean Hours Spent on Childcare on Weekdays and Weekends, on Total Work per Week, and on Research per Week, by Parenthood Status of Children Under Sixteen 49
3.4 Predicted Values on Productivity Measures by Parenthood Status of Children of Any Age 51
3.5 Predicted Salary by Gender and Parenthood Status, Net of Department and Demographic Measures (N = 266) 63
3.6 Predicted Values on Three Outcome Measures, by Low (First Quartile) and High (Third Quartile) Reported Levels of Flexibility Stigma (FS) 65
4.1 Scholarly Productivity Measures, by High and Low Values on Assertive, Relational, and Diversity-Promoting Self-Conceptions 82
4.2 Reward and Respect Measures, by High and Low Values on the Self-Conception Measures 84
5.1 Faculty Assessments of the Fairness of the Tenure Process at Case University (Percent Who Somewhat or Strongly Agree) 98

Figures in Appendix

A.1 Mean Values on Perceived Characteristics of Successful STEM Professional 172
A.2 Averages on Each Strand of Scientific Excellence Schema, by Broad Disciplinary Field 172

A.3 Schema of Scientific Excellence Strands versus Self-Conceptions, by Gender 173

A.4 Schema of Scientific Excellence Strands versus Self-Conceptions, by Race/Ethnicity 174