

## Ruiyun “Frances” Chen

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### CURRENT POSITION

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2016-present	<b>Assistant Professor</b> , Department of Criminal Justice and Criminology, Andrew Young School of Policy Studies, Georgia State University
2017-present	<b>Faculty Affiliate</b> , Institute for Interdisciplinary Salivary Bioscience Research, University of California, Irvine

### EDUCATION

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<b>Ph.D., Criminology</b> , University of Pennsylvania, Philadelphia, USA	May 2016
<b>M.S., Clinical Psychology</b> , Peking University, Beijing, China	July 2012
<b>B.S., Psychology</b> , Peking University, Beijing, China	July 2009

### HONORS & AWARDS

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Andrew Young School Dean’s Early Career Award, Georgia State University	2018
Benjamin Franklin Fellowship, University of Pennsylvania	2012 -2016
Education Fellowship, University of Pennsylvania	2015

### PEER-REVIEWED PUBLICATIONS<sup>1</sup>

**Chen, F. R.**, Fung, A. C. L., & Raine, A. (*accepted*). The cognitive, affective and somatic empathy scales (CASES): Cross-cultural replication and specificity to different forms of aggression and victimization. *Journal of Personality Assessment*.

Stroud, C. B., **Chen, F. R.**, Curzi, B. E., Granger, D. A. G & Doane, L.D. (*accepted*). Overestimating Self-Blame for Stressful Life Events and Adolescents’ Latent Trait Cortisol (LTC): The Moderating Role of Parental Warmth. *Journal of Youth and Adolescence*

Stroud, C. B., **Chen, F. R.**, Doane, L. D., & Granger, D. A. (2019). Early adversity and internalizing symptoms in adolescence: Mediation by individual differences in latent trait cortisol. *Development and Psychopathology*, 31, 509-524. [Impact factor: 5.021]

**Chen, F. R.**, & Raine, A., & Granger, D. A. (2018). Testosterone and proactive and reactive aggression in youth: The moderating role of harsh discipline. *Journal of Abnormal Child Psychology*, 46(8), 1599-1612. [Impact factor: 4.347]

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<sup>1</sup> Impact factor (IF) reported is the 5-year IF from Clarivate Analytics the year before the article was published

- Chen, F. R.,** Dariotis, J. K., & Granger, D.A. (2018). Linking testosterone and antisocial behavior in at-risk emerging adults: contextual effects of parentification. *Psychoneuroendocrinology*, 91, 1-10. [Impact factor: 5.522]
- Chen, F. R.** & Jaffee, S. (2018). Using three-group propensity score method to estimate effects of relationship status and quality on men's antisocial behavior. *Journal of Criminal Justice*, 54, 88-98. [Impact factor: 3.325]
- Chen, F. R.,** & Raine, A. (2018). Effects of harsh parenting and positive parenting practices on youth aggressive behavior: The moderating role of early pubertal timing. *Aggressive Behavior*, 44(1), 18-28. [Impact factor: 3.076]
- Raine, A., & **Chen, F. R.** (2018). The cognitive, affective, and somatic empathy scale (CASES) for children. *Journal of Clinical Child and Adolescent Psychology*, 47(1), 24-37. [Impact factor: 4.836]
- Chen, F. R.,** Rothman, E. F, & Jaffee, S. R. (2017). Early Puberty, Friendship Group Characteristics, and Dating Abuse in US Girls. *Pediatrics*, 139(6):e20162847 [Impact factor: 6.442]
- Chen, F. R.,** Stroud, C. B., Vrshek-Schallhorn, S., Doane, L. D., & Granger, D. A. (2017). Individual differences in early adolescents' latent trait cortisol: Interaction of early adversity and 5-HTTLPR. *Biological Psychology*, 129, 9-15. [Impact factor: 3.739]
- \*Calvi, J. L., \***Chen, F. R.,** Benson, V. B., Brindle, E., Bristow, M., De, A.,..., & Granger, D. A. (2017). Measurement error in salivary cortisol: A comparison within and between international academic-research laboratories. *BMC Research Notes*, 10(479), 1-6. (\* *the first two authors contributed equally, listing follows alphabetical order*)
- Chen, F. R.,** Raine, A., Glenn, A. L., & Granger, D. A. (2016). Hypothalamic pituitary adrenal activity and autonomic nervous system arousal predict developmental trajectories of children's comorbid behavior problems. *Developmental Psychobiology*, 58(3), 393-405. [Impact factor: 2.854]
- Dariotis, J. K., **Chen, F. R.,** & Granger, D. A. (2016). Latent trait testosterone among 18-24 years olds: Methodological considerations and risk associations. *Psychoneuroendocrinology*, 67, 1-9. [Impact factor: 5.183]
- Stroud, C. B., **Chen, F. R.,** Doane, L. D., & Granger, D. A. (2016). Individual differences in early adolescents' latent trait cortisol (LTC): Relation to early adversity. *Developmental Psychobiology*, 58, 700-713. [Impact factor: 2.854]

- Stroud, C. B., **Chen, F. R.**, Doane, L. D., & Granger, D. A. (2016). Individual differences in early adolescents' latent trait cortisol (LTC): Relation to recent acute and chronic stress. *Psychoneuroendocrinology*, 70, 38-46. [Impact factor: 5.183]
- Chen, F. R.**, Raine, A., Rudo-Hutt, A., Glenn, A. L., Soyfer, L., & Granger, D. A. (2015). Harsh discipline and behavior problems: The moderating effects of cortisol and salivary alpha-amylase. *Biological Psychology*, 104, 19-27. [Impact factor: 3.945]
- Chen, F. R.** & Jaffee, S. R. (2015). The heterogeneity in the development of homotypic and heterotypic antisocial behavior. *Journal of Developmental and Life-Course Criminology*, 1(3), 269-288.
- Chen, F. R.**, Raine, A., Soyfer, L., & Granger, D. A. (2015). Interaction of adrenocortical activity and autonomic arousal on children's externalizing and internalizing problems. *Journal of Abnormal Child Psychology*, 43, 189-202. [Impact factor: 4.213]
- Doane, L. D., **Chen, F. R.**, Sladek, M. R., van Lenten, S. A., & Granger, D. A. (2015). Latent trait cortisol (LTC) levels: Reliability, validity, and stability. *Psychoneuroendocrinology*, 55, 21-35. [Impact factor: 5.659]
- Portnoy, J., Raine, A., Glenn, A. L., **Chen, F. R.**, Choy, O., & Granger, D. A. (2015). Digit Ratio (2D: 4D) moderates the relationship between cortisol reactivity and self-reported externalizing behavior in young adolescent males. *Biological Psychology*, 112, 94-106. [Impact factor: 3.945]
- Chen, F. R.**, Raine, A., & Granger, D. A. (2014). Tactics for modeling multiple salivary analyte data in relation to behavior problems: Additive, ratio, and interaction effects. *Psychoneuroendocrinology*, 51, 188-200. [Impact factor: 6.090]
- Portnoy, J., Raine, A., **Chen, F. R.**, Pardini, D., Loeber, R., & Jennings, R. (2014). Heart rate and antisocial behavior: The mediating role of impulsive sensation seeking. *Criminology*, 52, 292-311. [Impact factor: 3.864]
- Yang, Y., **Chen, F.**, Xu, K., & Qian, M. (2014). Self-control strength in prison inmates with antisocial personality disorder. *The Journal of Forensic Psychiatry and Psychology*, 25(5), 613-622. [Impact factor: 0.953]
- Chen, F. R.**, Yang, Y., & Qian, M. (2013). Chinese version of Impulsive/ Premeditated Aggression Scale: Validation and its psychometrics. *Journal of Aggression, Maltreatment & Trauma*, 22, 175-191.
- Portnoy, J., **Chen, F. R.**, & Raine, A. (2013). Biological protective factors for antisocial and criminal behavior. *Journal of Criminal Justice*, 41(5), 292-299. [Impact factor: 1.379]

Qian, M., **Chen, R.**, Chen, H., Hu, H., Zhong, J., Yao, P., & Yi, C. (2012). Counseling and psychotherapy services in more developed and developing regions in China: A comparative investigation of practitioners and current service delivery. *International Journal of Social Psychiatry*, 58(5), 536-543. [Impact factor: 1.349]

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### **BOOK CHAPTERS**

**Chen, F. R.**, Gao, Y., Glenn, A. L., Niv, S., Portnoy, J., Schug, R., Yang, Y., & Raine, A. (2015). Biosocial bases of antisocial behavior and crime. In A. Piquero (Eds.), *Handbook of Criminological Theory* (pp.355-379). Hoboken, NJ: Wiley & Sons.

Rudo-Hutt, A. S., Portnoy J., **Chen, F. R.**, & Raine A. (2015). Biosocial criminology as a paradigm shift. In M. DeLisi & M. G. Vaughn (Eds.), *Handbook of Biosocial Criminology* (pp.22-31). Abingdon, UK: Routledge.

Portnoy, J., **Chen, F. R.**, Gao, Y., Niv, S., Schug, R., Yang, Y., & Raine, A. (2014). Biological perspectives on sex differences in crime and antisocial behavior. In R. Gartner & B. McCarthy (Eds.), *The Oxford Handbook of Gender, Sex, and Crime* (pp.260-285). New York, NY: Oxford University Press.

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### **SUBMITTED MANUSCRIPTS**

**Chen, F. R.**, Raine, A. & Granger, D. A. (under review). The within-person coordination of HPA and ANS activity in stress response: relation with behavior problems. *Psychoneuroendocrinology*

**Chen, F. R.**, Raine, A., & Gao, Y. (under review). Reduced electrodermal fear conditioning and callous-unemotional traits in children. *International Journal of Psychophysiology*.

Bryce, C., **Chen, F.R.**, Laurent H., & Riis, J. Analytical Strategies and Tactics in Salivary Bioscience. In D. Granger & M. Taylor (Eds.), *Foundations of Interdisciplinary Salivary Bioscience*. New York: Springer.

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### **WORKS IN PROGRESS**

**Chen, F. R.** The within-person coordination of cortisol and alpha-amylase in stress response among active offenders

**Chen, F. R.** Reduced electrodermal fear conditioning, behavior inhibition and antisocial behavior.

**Chen, F. R.** & Daigle, L. Reduced electrodermal fear conditioning among college students with sexual victimization.

Dariotis, J. K., & **Chen, F. R.** Coping strategies in mediating the relationship between stress life events and delinquent, substance use, and sexual risk behaviors.

### **RESEARCH PROJECTS (ONGOING)**

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Biopsychological Correlates of College Sexual Victimization: Exploration of the Role of Attention Orientation, Stress Regulation and Sensitivity to Reward/Punishment 2018-2019, PI

Offending Behavior and the Physiology of Emotion and Motivation 2017-2019, PI

### **CONFERENCE PRESENTATIONS**

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**Chen, F. R.** (2019, Nov). The within-person coordination of cortisol and alpha-amylase in stress response among active offenders. Paper to be presented at the annual meeting of the American Society of Criminology, San Francisco, CA.

**Chen, F. R.**, Dariotis, J. K., & Granger, D. A. (2018, Nov). Linking Testosterone and Antisocial Behavior in At-Risk Transitional Aged Youth: Contextual Effects of Parentification. Paper presented at the annual meeting of the American Society of Criminology, Atlanta, GA.

**Chen, F. R.** (2018, Sep). Incorporating diurnal slope information to process cortisol reactivity to Trier Social Stress Task. Poster presented at the 48<sup>th</sup> Annual Conference of the International Society of Psychoneuroendocrinology, Irvine, CA.

**Chen, F. R.**, Stroud, K., Vrshek-Schallhorn, S., Doane, L. D., & Granger, D. A. (2018, Apr). The Mediation of Cortisol on the Association between Early Adversity and Internalizing Symptoms Varies by 5-HTTLPR. Paper presented at the Society for Research on Adolescence Biennial Meeting, Minneapolis, MN.

Dariotis, J. K. & **Chen, F. R.** (2017, Nov). Stress coping strategies as mediators: Toward a better understanding of sexual, substance, and delinquency-related risk-taking among transition-aged youth. Paper presented at the Annual Meeting & Expo of American Public Health Association, Atlanta, GA.

**Chen, F. R.**, Raine, A., & Granger, D. A. (2017, Nov). Rethink testosterone and aggression: testosterone and contextual influences of harsh discipline on proactive aggression in youth. Paper presented at the annual meeting of the American Society of Criminology, Philadelphia, PA.

**Chen, F. R.**, Raine, A., Rudo-Hutt, A., & Gao, Yu. (2016, Nov). Fear conditioning skin conductance response and callous unemotional trait among children. Paper presented at the annual meeting of the American Society of Criminology, New Orleans, LA.

**Chen, F. R.,** Raine, A., & Soyfer, L. (2015, Nov). Contextual amplification of parenting styles on early maturing adolescents' physical aggression. Paper presented at the annual meeting of the American Society of Criminology, Washington, DC.

**Chen, F. R.,** Raine, A., Rudo-Hutt, A., Soyfer, L., & Granger, D. A. (2014, Nov). Harsh discipline and proactive/ reactive aggression: The moderating effect of cortisol and salivary alpha-amylase. Paper presented at the annual meeting of the American Society of Criminology, San Francisco, CA.

**Chen, F. R.,** Raine, A., & Soyfer, L. (2013, Nov). Buffering protective effect of enhanced stress reactivity for externalizing problems. Paper presented at the annual meeting of the American Society of Criminology, Atlanta, GA.

**Chen, F. R.,** Raine, A., Soyfer, L., & Gur, R. (2012, Nov). Reduced amygdala volumes in proactively aggressive female children. Paper presented at the annual meeting of the American Society of Criminology, Chicago, IL.

#### **CHAired SYMPOSIA**

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**Chen, F. R.** (2016, Nov). Biosocial Interactive Perspective on Psychopathic Traits and Behavioral Problems in Childhood. Panel presented at the annual meeting of the American Society of Criminology, New Orleans, LA. Speakers: Yonglin Huang, Wei Zhang, and Yu Gao.

#### **TEACHING EXPERIENCE**

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**Instructor**, 2019 Fall; 2018 Spring. Georgia State University  
Taught Statistical Analysis in Criminal Justice, Graduate course

**Instructor**, 2019, Spring, Fall; 2018 Fall; 2017 Spring, Fall. Georgia State University  
Taught Statistical Analysis in Criminal Justice, undergraduate course

**Instructor**, 2016 Fall. Georgia State University  
Taught Life-course Criminology, undergraduate course

**Instructor**, 2015 Summer. University of Pennsylvania  
Taught Introduction to Criminology, undergraduate course

**Teaching Assistant**, 2014 Fall; 2013 Fall. University of Pennsylvania  
Taught lab sections for Introduction to Quantitative Methods for Policy Analysis, graduate course

#### **AFFILIATIONS**

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- The American Society of Criminology

- International Society of Psychoneuroendocrinology

### **PROFESSIONAL SERVICES**

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Peer Review for

- *Aggressive Behavior*
- *Biological Psychiatry*
- *Biological Psychology*
- *Child Development*
- *Criminal Justice Review*
- *Criminology*
- *Development and Psychopathology*
- *Developmental Psychology*
- *Hormone and Behavior*
- *International Journal of Psychophysiology*
- *JAMA Pediatrics*
- *Journal of Abnormal Psychology*
- *Journal of Child Psychology and Psychiatry*
- *Journal of Research on Crime and Delinquency*
- *Journal of Psychopathology and Behavioral Assessment*
- *Psychoneuroendocrinology*