

## Ruiyun “Frances” Chen

55 Park Place NE, Suite 521  
Atlanta, GA 30303

Email: rchen6@gsu.edu  
Phone: 404-413-1036

### CURRENT POSITION

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

### EDUCATION

- Ph.D., Criminology**, University of Pennsylvania, Philadelphia, USA      May 2016
- M.S., Clinical Psychology**, Peking University, Beijing, China      July 2012
- B.S., Psychology**, Peking University, Beijing, China      July 2009

### HONORS & AWARDS

- Early Career Researcher Award, the International Society for the Study of Individual Differences      2020
- Provost’s Research Fellowship, Georgia State University      2020
- 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

### COMPLETED RESEARCH PROJECTS

- Biopsychological Correlates of College Sexual Victimization. Internal fund      2018-2019, PI
- Offending and the Psychobiology of Emotion and Motivation. Internal fund      2017-2019, PI

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

1.      **Chen, F. R.** & Daigle, L. (2021 online first). Reduced electrodermal fear conditioning and sexual victimization in college students. *Journal of Behavioural and Cognitive Therapy*. doi: 10.1016/j.jbct.2021.03.001
2.      **Chen, F. R.**, Raine, A., & Gao, Y. (2021). Reduced electrodermal fear conditioning and child callous-unemotional traits. *Research on Child and Adolescent Psychopathology*<sup>2</sup>, 49, 459-469. doi: 10.1007/s10802-020-00727-3. [Impact factor: 3.875]
3.      **Chen, F. R.**, Fung, A. C. L., & Raine, A. (2021). The cognitive, affective and somatic empathy scales (CASES): Cross-cultural replication and specificity to different forms of aggression and

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

<sup>2</sup> The journal name was changed from *Journal of Abnormal Child Psychology* to *Research on Child and Adolescent Psychopathology* in 2021.

- victimization. *Journal of Personality Assessment*, 103, 80-91. PMID: 31633394 doi: 10.1080/00223891.2019.1677246 [Impact factor: 3.071]
4. **Chen, F. R.** (2020 online first). Behavioral inhibition system function as the mediator in the pathway from electrodermal fear conditioning to antisocial behavior: integrating the Reinforcement Sensitivity Theory. *Personality and Individual Differences*, doi: 10.1016/j.paid.2020.110179. [Impact factor: 2.733]
  5. **Chen, F. R.**, Raine, A. & Granger, D. A. (2020 online first). The within-person coordination of HPA and ANS activity in stress response: relation with behavior problems. *Psychoneuroendocrinology*. doi: 10.1016/j.psyneuen.2020.104805 [Impact factor: 5.355]
  6. Dariotis, J.K., & **Chen, F.R.** (2020 online first). Stress coping strategies as mediators: Toward a better understanding of sexual, substance, and delinquency-related risk-taking among transition-aged youth. *Deviant Behavior*. doi: 10.1080/01639625.2020.1796210 [Impact factor: 1.501]
  7. Stroud, C. B., **Chen, F. R.**, Curzi, B. E., Granger, D. A. G & Doane, L.D. (2020). Overestimating Self-Blame for Stressful Life Events and Adolescents' Latent Trait Cortisol (LTC): The Moderating Role of Parental Warmth. *Journal of Youth and Adolescence*, 49(1), 283-298 [Impact factor: 4.025]
  8. 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: 4.508]
  9. **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]
  10. **Chen, F. R.**, Dariotis, J. K., & Granger, D.A. (2018). Linking testosterone and antisocial behavior in at-risk transitional aged youth: contextual effects of parentification. *Psychoneuroendocrinology*, 91, 1-10. [Impact factor: 5.522]
  11. **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]
  12. **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]
  13. 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).
  14. Early Puberty, Friendship Group Characteristics, and Dating Abuse in US Girls. *Pediatrics*, 139(6):e20162847 [Impact factor: 6.476]
  15. **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: 3.695]
  16. \*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*)
17. **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]
  18. 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]
  19. 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]
  20. 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]
  21. **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]
  22. **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. [Impact factor: 1.133]
  23. **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]
  24. **Chen, F. R.**, Raine, A., & Granger, D. A. (2015). 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]
  25. 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]
  26. 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]
  27. 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]
  28. 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: 1.229]

29. **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. [Impact factor: 1.086]
30. 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]
31. 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: 1.684]

#### **BOOK CHAPTERS**

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- Riis, J., **Chen, F. R.**, Dent, A., Laurent, H., & Bryce, C. (2020). Analytical Strategies and Tactics in Salivary Bioscience. In D. Granger & M. Taylor (Eds.), *Salivary Bioscience: Foundations of Interdisciplinary Saliva Research and Applications* (pp.49-86). New York: Springer. DOI: 10.1007/978-3-030-35784-9\_4
- 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.

#### **SUBMITTED MANUSCRIPTS**

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- Stroud, C. B., **Chen, F. R.**, Curley, E. E., Cheng, J., & Marr, C., Vrshek-Schallhorn, S. (*Revise and Resubmit*). Early adversity and depressive symptoms among early adolescent girls: evidence for exposure to recent interpersonal acute stress as an underlying mechanism. *Development and Psychopathology*.
- Chen, F. R.** (*under review*). Negative urgency, antisocial behavior and the cortisol-alpha amylase stress coordination. *Journal of Abnormal Psychology*
- Raine, A., **Chen, F. R.**, & Waller, R. (*under review*). The Cognitive, Affective and Somatic Empathy Scales for adults. *Personality and Individual Differences*.

#### **WORKS IN PROGRESS**

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- Chen, F. R.** Impulsive and premeditated aggression and their relations with arousal and regulatory physiological indicators in a heterogeneous urban sample. *Biological Psychology*
- Chen, F. R.** & Nowak, M. Strain and antisocial behavior: the moderating role of stress biomarkers.
- Chen, F. R.**, Dariotis, J. K. Coping moderates the relation between stressful life events and delinquency.
- Chen, F. R.** Pre-ejection period reactivity to reward and premeditated and impulsive aggression in adults.

**Chen, F. R.** Relationship transition and antisocial behavior in transition-aged youth.

**Chen, F. R.** Sympathetic- and parasympathetic-linked cardiac function in response to reward in prediction of antisocial behavior.

#### **CONFERENCE PRESENTATIONS**

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(\* student presenter)

**Chen, F. R.** (2020, Nov; Canceled due to COVID). The relations between adult's sympathetic and parasympathetic psychophysiological indicators and their impulsive and premeditated aggression: a study with active offenders. Paper accepted at the annual meeting of the American Society of Criminology, Washington D.C.

Balaji, V.\*, Nowak, M.\*, French, K.\*, **Chen, F. R.**, Daigle, L. E. (2020, Nov; Canceled due to COVID). The association between recurring sexual victimization in college students and aggression, impulsivity, antisocial behavior and risky Sex. Paper accepted at the annual meeting of the American Society of Criminology, Washington D.C.

Stroud, C. B., **Chen, F. R.**, Doane, L. D. & Granger, D. A. (2019, Nov). Early Adversity and Internalizing Symptoms in Adolescence: Mediation by Individual Differences in Latent Trait Cortisol. Paper presented at the annual meeting of the Association for Behavioral and Cognitive Therapies, Atlanta, GA.

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

French, K.\*, **Chen, F. R.**, Huggins, C. (2019, Nov). Further Elucidation of the Path between Stress and Antisocial Behavior: A Test of Coping Strategies as Mediators and Moderator. Poster presented at the annual meeting of the American Society of Criminology, San Francisco, CA.

Huggins, C.\*, **Chen, F. R.**, French, K. (2019, Nov). The Association between Resting Autonomic Activity and Proactive/Reactive Aggression: Testing the Mediating Role of Callous Unemotional Traits. Poster 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.** (2021, Nov). Physiological responses to reward and stress, and environmental correlates of antisocial behavior. Panel to be presented at the annual meeting of the American Society of Criminology, Chicago, IL. Speakers: Sierra Bell, Katherine French, Montana Nowak, and Bess Lam.
- Chen, F. R.** (2020, Nov; *meeting canceled due to COVID*). Empathy/callous-unemotional traits and behavior problems: the roles of neural correlates and autonomic arousal. Panel presented at the annual meeting of the American Society of Criminology, Washington D.C. Speakers: Liat Kofler, Montana Nowak, Yonglin Huang, Bess Lam.
- 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.

#### **CURRENT AFFILIATIONS**

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- The American Society of Criminology
- International Society for the Study of Individual Differences

#### **PROFESSIONAL SERVICES**

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Consulting Editor on the Editorial Board for

- *Journal of Abnormal Psychology*

Peer Review for

- *Aggressive Behavior*
- *Biological Psychiatry*

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

#### UNIVERSITY SERVICES

- 2019-present    **Faculty Affiliate**, Honors College, Georgia State University
- 2018-present    **Co-Director**, Pipeline Project  
Andrew Young School of Policy Studies, Georgia State University
- 2017-present    **Committee Member**, Bylaws Committee  
Department of Criminal Justice and Criminology, Georgia State University
- 2018-2021       **Committee Member**, Scholarship and Award Committee  
Department of Criminal Justice and Criminology, Georgia State University
- 2021             **Advisor** for Katherine French, Honors Thesis, Department of Psychology, Georgia State University
- 2021             **Committee Member** for Travis Chafin, Master Thesis titled “Examining the correlation between the personality traits of aggression and impulsivity with coercive control victimization: a study of student at a southeastern urban university”,  
Department of Criminal Justice and Criminology, Georgia State University
- 2019             **Committee Member** for Tasha Ramirez, Master Thesis titled “Social Support as a Predictor of Adult Drug Court Completion”,  
Department of Criminal Justice and Criminology, Georgia State University
- 2019             **Committee Member**, Faculty Search Committee  
Department of Criminal Justice and Criminology, Georgia State University