

# MARCO DEL GIUDICE

## CURRICULUM VITAE

October 3, 2023

### CONTACT

Web: <https://marcodg.net>

### ACADEMIC POSITIONS

**2018-2023.** Associate Professor, Department of Psychology, University of New Mexico, Albuquerque, NM.

**2014-2018.** Assistant Professor, Department of Psychology, University of New Mexico, Albuquerque, NM.

**2012-2013.** Assistant Professor, Department of Psychology, University of Turin, Torino, Italy.

**2007-2012.** Post-doc, Center for Cognitive Science, University of Turin, Torino, Italy.

### VISITING POSITIONS

**2014.** Visiting Scholar, Development, Health & Disease Research Program, University of California – Irvine, Irvine, CA.

**2012.** Visiting scholar, Department of Comparative Human Development, University of Chicago, Chicago, IL.

**2009.** Visiting scholar, Division of Family Studies and Human Development, University of Arizona, Tucson, AZ.

## EDUCATION

2007. Ph.D. in Cognitive Science, University of Turin, Torino, Italy.

2003. Degree in Psychology, University of Turin, Torino, Italy.

## BIBLIOMETRICS

Google Scholar: **12,730** citations; h-index: **48**

Web of Science: **5,057** citations; h-index: **33**

## AWARDS

2016. Early Career Award, Human Behavior & Evolution Society (HBES).

2008. Luigia Camaioni Prize (best doctoral dissertation in developmental psychology), Italian Psychological Association (AIP).

## JOURNAL ARTICLES

**Del Giudice, M.** (2023). Relative density clouds: Visualizing and exploring multivariate patterns of group differences. *PLoS ONE*, *18*, e0287784.

**Del Giudice, M.** (2023). Individual and group differences in multivariate domains: What happens when the number of traits increases? *Personality and Individual Differences*, *213*, 112282.

**Del Giudice, M.** (2023). The S-index: Summarizing patterns of sex differences at the distribution extremes. *Personality and Individual Differences*, *205*, 112088.

**Del Giudice, M.** (2023). A general motivational architecture for human and animal personality. *Neuroscience and Biobehavioral Reviews*, *144*, 104967.

**Del Giudice, M., & Haltigan, J. D.** (2023). A new look at the relations between attachment and intelligence. *Developmental Review*, *67*, 101054.

**Del Giudice, M.** (2022). The square-root scree plot: A simple improvement to a classic display. *OpenPsych*, DOI:10.26775/OP.2022.11.19

**Del Giudice, M., & Gangestad, S. W.** 2022). Hormone ratios suffer from striking lack of robustness to measurement error. *Psychoneuroendocrinology*, *142*, 1058012.

**Del Giudice, M., & Haltigan, J.D.** (2021). An integrative evolutionary framework for psychopathology. *Development and Psychopathology*.

Haltigan, J.D., **Del Giudice, M.**, & Khorsand, S. (2021). Growing points in attachment disorganization: Looking back to advance forward. *Attachment & Human Development*.

**Del Giudice, M.** (2021). Are we comparing apples or squared apples? The proportion of explained variance exaggerates differences between effects. *OpenPsych*. doi: 10.26775/OP.2021.06.15

**Del Giudice, M.** (2021). Effective dimensionality: A tutorial. *Multivariate Behavioral Research*, 56, 527-542.

**Del Giudice, M., & Gangestad, S. W.** (2021). A traveler's guide to the multiverse: Promises, pitfalls, and a framework for the evaluation of analytic decisions. *Advances in Methods and Practices in Psychological Science*, 4, 1-15.

**Del Giudice, M.** (2020). Rethinking the fast-slow continuum of individual differences. *Evolution and Human Behavior*, 41, 536-549.

Kaiser, T., **Del Giudice, M.**, & Booth, T. (2020). Global sex differences in personality: Replication with an open online dataset. *Journal of Personality*, 88, 415-429.

**Del Giudice, M.** (2019). Invisible designers: Brain evolution through the lens of parasite manipulation. *Quarterly Review of Biology*, 94, 249-282.

**Del Giudice, M.** (2019). Sex differences in attachment styles. *Current Opinion in Psychology*, 25, 1-5.

Ellis, B. J., & **Del Giudice, M.** (2019). Developmental adaptation to stress: An evolutionary perspective. *Annual Review of Psychology*, 70, 111-139.

Gangestad, S. W., Dinh, T., Grebe, N. M., **Del Giudice, M.**, & Emery Thompson, M. (2019). Psychological cycle shifts redux: Revisiting a preregistered study examining preferences for muscularity. *Evolution and Human Behavior*, 40, 501-516.

Gangestad, S. W., Dinh, T., Grebe, N. M., **Del Giudice, M.**, & Emery Thompson, M. (2019). [Authors' reply] Psychological cycle shifts redux, once again: Response to Stern et al., Roney, Jones et al., and Higham. *Evolution and Human Behavior*, 40, 537-542.

Grebe, N. M., **Del Giudice, M.**, Emery Thompson, M., Nickels, N., Ponzi, D., Zilioli, S., et al. (2019). Testosterone, cortisol, and status-striving personality features: A review and empirical evaluation of the dual hormone hypothesis. *Hormones and Behavior*, *109*, 25-37.

**Del Giudice, M.**, Barrett, E. S., Belsky, J., Hartman, S., Martel, M. M., Sangenstedt, S., & Kuzawa, C. W. (2018). Individual differences in developmental plasticity: A role for early androgens? *Psychoneuroendocrinology*, *90*, 165-173.

**Del Giudice, M.**, Buck, C. L., Chaby, L., Gormally, B. M., Taff, C. C., Thawley, C. J., et al. (2018). What is stress? A systems perspective. *Integrative and Comparative Biology*, *58*, 1019-1032.

**Del Giudice, M.**, & Crespi, B. J. (2018). Basic functional trade-offs in cognition: An integrative framework. *Cognition*, *179*, 56-70.

**Del Giudice, M.**, & Gangestad, S. W. (2018). Rethinking IL-6 and CRP: Why they are more than inflammatory biomarkers, and why it matters. *Brain, Behavior, and Immunity*, *70*, 61-75.

**Del Giudice, M.** (2017). The evolution of interaction shape in differential susceptibility. *Child Development*, *88*, 1897-1912.

**Del Giudice, M.** (2017). Statistical tests of differential susceptibility: Performance, limitations, and improvements. *Development and Psychopathology*, *29*, 1267-1278.

**Del Giudice, M.** (2017). Mating, sexual selection, and the evolution of schizophrenia. *World Psychiatry*, *16*, 141-142.

**Del Giudice, M.** (2017). Heterogeneity coefficients for Mahalanobis'  $D$  as a multivariate effect size. *Multivariate Behavioral Research*, *52*, 216-221.

**Del Giudice, M.** (2016). Differential susceptibility to the environment: Are developmental models compatible with the evidence from twin studies? *Developmental Psychology*, *52*, 1330-1339.

**Del Giudice, M.** (2016). The life history model of psychopathology explains the structure of psychiatric disorders and the emergence of the p factor: A simulation study. *Clinical Psychological Science*, *4*, 399-411.

**Del Giudice, M.** (2016). Sex differences in romantic attachment: A facet-level analysis. *Personality and Individual Differences*, *88*, 125-128.

**Del Giudice, M.** (2016). The evolutionary future of psychopathology. *Current Opinion in Psychology*, *7*, 44-50.

- Del Giudice, M., & Angeleri, R.** (2016). Digit ratio (2D:4D) and attachment styles in middle childhood: Indirect evidence for an organizational effect of sex hormones. *Adaptive Human Behavior and Physiology*, *2*, 1-10.
- Del Giudice, M.** (2015). Plasticity as a developing trait: Exploring the implications. *Frontiers in Zoology*, *12*, S4.
- Del Giudice, M.** (2015). Attachment in middle childhood: An evolutionary-developmental perspective. *New Directions for Child and Adolescent Development*, *148*, 15-30.
- Del Giudice, M.** (2014). An evolutionary life history framework for psychopathology. *Psychological Inquiry*, *25*, 261-300.
- Del Giudice, M.** (2014). [Author's reply] A tower unto Heaven: Toward an expanded framework for psychopathology. *Psychological Inquiry*, *25*, 394-413.
- Del Giudice, M.** (2014). Middle childhood: An evolutionary-developmental synthesis. *Child Development Perspectives*, *8*, 193-200.
- Del Giudice, M.** (2014). Early stress and human behavioral development: Emerging evolutionary perspectives. *Journal of Developmental Origins of Health and Disease*, *5*, 270-280.
- Del Giudice, M., Klimczuk, A. C. E., Traficante, D. M., & Maestripieri, D.** (2014). Autistic-like and schizotypal traits in a life history perspective: Diametrical associations with impulsivity, sensation seeking, and sociosexual behavior. *Evolution & Human Behavior*, *35*, 415-424.
- Ellis, B. J., & **Del Giudice, M.** (2014). Beyond allostatic load: Rethinking the role of stress in regulating human development. *Development and Psychopathology*, *26*, 1-20.
- Del Giudice, M.** (2013). Multivariate misgivings: Is *D* a valid measure of group and sex differences? *Evolutionary Psychology*, *11*, 1067-1076.
- Becchio, C., **Del Giudice, M.**, Dal Monte, O., Latini-Corazzini, L., & Pia, L. (2013). In your place: Neuropsychological evidence for altercentric remapping in embodied perspective taking. *Social Cognitive and Affective Neuroscience*, *8*, 165-170.
- Del Giudice, M.** (2012). Fetal programming by maternal stress: Insights from a conflict perspective. *Psychoneuroendocrinology*, *37*, 1614-1629.

**Del Giudice, M.** (2012). Sex ratio dynamics and fluctuating selection on personality. *Journal of Theoretical Biology*, 297, 48-60.

**Del Giudice, M.,** Booth, T., & Irwing, P. (2012). The distance between Mars and Venus: Measuring global sex differences in personality. *PLoS ONE*, 7, e29265.

**Del Giudice, M.,** Hinnant, J. B., Ellis, B. J., & El-Sheikh, M. (2012). Adaptive patterns of stress responsivity: A preliminary investigation. *Developmental Psychology*, 48, 775-790.

Ellis, B. J., **Del Giudice, M.,** Dishion, T. J., Figueredo, A. J., Gray, P., Griskevicius, V., et al. (2012). The evolutionary basis of risky adolescent behavior: Implications for science, policy, and practice. *Developmental Psychology*, 48, 598-623.

Frankenhuis, W. E., & **Del Giudice, M.** (2012). When do adaptive developmental mechanisms yield maladaptive outcomes? *Developmental Psychology*, 48, 628-642.

Sih, A., & **Del Giudice, M.** (2012). Linking behavioural syndromes and cognition: A behavioural ecology perspective. *Philosophical Transactions of the Royal Society of London B*, 367, 2762-2772.

**Del Giudice, M.** (2011). Sex differences in romantic attachment: A meta-analysis. *Personality and Social Psychology Bulletin*, 37, 193-214.

**Del Giudice, M.** (2011). Alone in the dark? Modeling the conditions for visual experience in human fetuses. *Developmental Psychobiology*, 53, 214-219.

**Del Giudice, M.,** Ellis, B.J., & Shirtcliff, E. A. (2011). The Adaptive Calibration Model of stress responsivity. *Neuroscience & Biobehavioral Reviews*, 35, 1562-1592.

Colle, L., & **Del Giudice, M.** (2011). Patterns of attachment and emotional competence in middle childhood. *Social Development*, 20, 51-72.

Manera, V., Becchio, C., **Del Giudice, M.,** Bara, B.G., & Verfaillie, K. (2011). The second-agent effect: Communicative gestures increase the likelihood of perceiving a second agent. *PLoS ONE*, 6, e22650.

Manera, V., **Del Giudice, M.,** Grandi, E., & Colle, L. (2011). Individual differences in the recognition of enjoyment smiles: No role for perceptual-attentional factors and autistic-like traits. *Frontiers in Psychology*, 2, 143.

Schlomer, G. L., **Del Giudice, M.**, & Ellis, B. J. (2011). Parent-offspring conflict theory: An evolutionary framework for understanding conflict within human families. *Psychological Review*, *118*, 496-521.

**Del Giudice, M.** (2010). Reduced fertility in patients' families is consistent with the sexual selection model of schizophrenia and schizotypy. *PLoS ONE*, *5*, e16040.

**Del Giudice, M.**, Angeleri, R., Brizio, A., & Elena, M. R. (2010). The evolution of autistic-like and schizotypal traits: A sexual selection hypothesis. *Frontiers in Psychology*, *1*, 41.

**Del Giudice, M.** & Belsky, J. (2010). Sex differences in attachment emerge in middle childhood: An evolutionary hypothesis. *Child Development Perspectives*, *4*, 97-105.

**Del Giudice, M.** & Belsky, J. (2010). [Authors' response] Evolving attachment theory: Beyond Bowlby and back to Darwin. *Child Development Perspectives*, *4*, 112-113.

**Del Giudice, M.** (2009). On the real magnitude of psychological sex differences. *Evolutionary Psychology*, *7*, 264-279.

**Del Giudice, M.** (2009). Sex, attachment, and the development of reproductive strategies. *Behavioral and Brain Sciences*, *32*, 1-21.

**Del Giudice, M.** (2009). [Author's response] Human reproductive strategies: An emerging synthesis? *Behavioral and Brain Sciences*, *32*, 45-67.

**Del Giudice, M.**, Angeleri, R. & Manera, V. (2009). The juvenile transition: A developmental switch point in human life history. *Developmental Review*, *29*, 1-31.

**Del Giudice, M.**, Manera, V., & Keysers, C. (2009). Programmed to learn? The ontogeny of mirror neurons. *Developmental Science*, *12*, 350-363.

Barone, L., **Del Giudice, M.**, Fossati, A., Manaresi, F., Actis Perinetti, B., Castelli, P. et al. (2009). Psychometric properties of the Manchester Child Attachment Story Task: An Italian multicentre study. *International Journal of Behavioral Development*, *33*, 185-190.

**Del Giudice, M.** (2008). Sex-biased ratio of avoidant/ambivalent attachment in middle childhood. *British Journal of Developmental Psychology*, *26*, 369-379.

**Del Giudice, M.** & Colle, L. (2007). Differences between children and adults in the recognition of enjoyment smiles. *Developmental Psychology*, *43*, 796-803.

**Del Giudice, M.** (2007). The evolutionary biology of cryptic pregnancy: A reappraisal of the 'denied pregnancy' phenomenon. *Medical Hypotheses*, *68*, 250-258.

Colle, L., Mate, D., **Del Giudice, M.**, Ashwin, C. & Baron-Cohen, S. (2007). Children's understanding of intentional vs. non-intentional action. *Journal of Cognitive Science*, *8*, 39-65.

**Del Giudice, M.** (2006). Increased residual variance at developmental switch points: Statistical artifact or indicator of genotypic influence? *Evolution*, *60*, 192-195.

## BOOKS

**Del Giudice, M.** (2018). *Evolutionary psychopathology: A unified approach*. New York: Oxford University Press.

## BOOK CHAPTERS

**Del Giudice, M.** (in press). The motivational architecture of emotions. In L. Al-Shawaf & T. K. Shackelford (Eds.), *The Oxford handbook of evolution and the emotions*. New York: Oxford University Press.

**Del Giudice, M.** (in press). Epilogue: Evolutionary emotion research at the crossroads. In L. Al-Shawaf & T. K. Shackelford (Eds.), *The Oxford handbook of evolution and the emotions*. New York: Oxford University Press

**Del Giudice, M.** (2023). Ideological bias in the psychology of sex and gender. In C. L. Frisby, W. T. O'Donohue, R. E. Redding, & S. O. Lilienfeld (Eds.), *Political bias in psychology: Nature, scope, and solutions*. New York: Springer.

**Del Giudice, M.** (2022). Measuring sex differences and similarities. In D. P. VanderLaan & W. I. Wong (Eds.), *Gender and sexuality development: Contemporary theory and research*. New York: Springer.

**Del Giudice, M.** (2019). The evolutionary context of personality development. In D. P. McAdams, R. L. Shiner, & J. L. Tackett (Eds.), *Handbook of personality development* (pp. 20-39). New York: Guilford.

**Del Giudice, M.** (2018). Middle childhood: An evolutionary-developmental synthesis. In N. Halfon, C. B. Forrest, R. M. Lerner, & E. Faustman (Eds.), *The handbook of life course health development* (pp. 95-107). New York: Springer.

**Del Giudice, M., Angeleri, R., & Manera, V.** (2017). Juvenility and the juvenile transition. In R. J. R. Levesque (Ed.), *Encyclopedia of adolescence* (2<sup>nd</sup> ed.). New York: Springer.

Ellis, B. J., **Del Giudice, M., & Shirtcliff, E. A.** (2017). The Adaptive Calibration Model of stress responsivity: Concepts, findings, and implications for developmental psychopathology. In T. P. Beauchaine & S. P. Hinshaw (Eds.), *Child and adolescent psychopathology* (3<sup>rd</sup> ed.) (pp. 237-276). New York: Wiley.

**Del Giudice, M., & Ellis, B. J.** (2016). Evolutionary foundations of developmental psychopathology. In D. Chicchetti (Ed.), *Developmental Psychopathology, Vol. 2: Developmental neuroscience* (3<sup>rd</sup> ed.) (pp. 1-58). New York: Wiley.

**Del Giudice, M.** (2015). Gender differences in personality and social behavior. In J. D. Wright (Ed.), *International encyclopedia of the social and behavioral sciences* (2<sup>nd</sup> ed.) (pp. 750-756). New York: Elsevier.

**Del Giudice, M.** (2015). Self-regulation in an evolutionary perspective. In G. H. E. Gendolla, M. Tops & S. Koole (Eds.), *Handbook of biobehavioral approaches to self-regulation* (pp. 25-42). New York: Springer.

**Del Giudice, M., Gangestad, S. W., & Kaplan, H. S.** (2015). Life history theory and evolutionary psychology. In D. M. Buss (Ed.), *The handbook of evolutionary psychology – Vol. 1: Foundations* (2nd ed.) (pp. 88-114). New York: Wiley.

**Del Giudice, M., Ellis, B. J., & Shirtcliff, E. A.** (2013). Making sense of stress: An evolutionary-developmental framework. In G. Laviola & S. Macri (Eds.), *Adaptive and maladaptive aspects of developmental stress* (pp. 23-43). New York: Springer.

Ellis, B. J., **Del Giudice, M., & Shirtcliff, E. A.** (2013). Beyond allostatic load: The stress response system as a mechanism of conditional adaptation. In T. P. Beauchaine & S. P. Hinshaw (Eds.), *Child and adolescent psychopathology*, 2nd Ed.(pp. 251-284). New York: Wiley.

**Del Giudice, M., Angeleri, R., & Manera, V.** (2012). Juvenility and the Juvenile Transition. In R. J. R. Levesque (Ed.), *Encyclopedia of Adolescence* (pp. 1534-1537). New York: Springer.

**Del Giudice, M.** & Belsky, J. (2011). Parent-child relationships. In C. A. Salmon & T. K. Shackelford (Eds.), *The Oxford handbook of evolutionary family psychology* (pp. 65-82). New York: Oxford University Press.

**Del Giudice, M.** & Belsky, J. (2011). The development of life history strategies: Toward a multi-stage theory. In D. M. Buss & P. H. Hawley (eds.), *The evolution of personality and individual differences* (pp. 154-176). New York: Oxford University Press.

## COMMENTARIES, LETTERS, AND REVIEWS

**Del Giudice, M.** (2023). Arbitrary, inappropriate grading criteria distort the evaluation of evidence: A comment on Kim et al.'s (2022) umbrella review. *Neuroscience and Biobehavioral Reviews*, 147, 105089.

**Del Giudice, M.**, & Gangestad, S. W. (2023). No evidence against the greater male variability hypothesis: A commentary on Harrison et al.'s meta-analysis of animal personality. *Evolutionary Psychological Science*.

**Del Giudice, M.** (2021). Binary thinking about the sex binary: A comment on Joel (2021). *Neuroscience and Biobehavioral Reviews*, 127, 144-145.

Luoto, S., Rantala, M. J., & **Del Giudice, M.** (2021). Gender norms and the wellbeing of girls and boys. [Comment on Kennedy et al., 2020]. *The Lancet Global Health*, 9, e397.

**Del Giudice, M.** (2021). Åhs et al.'s (2018) systematic review on biological preparedness and resistance to extinction: A commentary and reanalysis. *Neuroscience and Biobehavioral Reviews*, 120, 13-15.

**Del Giudice, M.** (2020). Are complex causal models less likely to be true than simple ones? A critical comment on Trafimow (2017). *Behavior Research Methods*.

**Del Giudice, M.** (2020). How well do bibliometric indicators correlate with scientific eminence? A comment on Simonton (2016). *Perspectives on Psychological Science*, 15, 202-203.

**Del Giudice, M.** (2019). *Cognitive gadgets*: A provocative but flawed manifesto. [Review of Heyes (2018). *Cognitive gadgets: The cultural evolution of thinking*. Harvard University Press.] *Behavioral and Brain Sciences*, 42, e174.

**Del Giudice, M.** (2019). Female nonheterosexuality is associated with both “fast” and “slow” male-typical strategies: Implications for evolutionary scenarios. [Comment on Luoto et al., 2018] *Archives of Sexual Behavior*, *48*, 1321-1324.

**Del Giudice, M.** (2018). Addendum to: Heterogeneity coefficients for Mahalanobis'  $D$  as a multivariate effect size. *Multivariate Behavioral Research*, *53*, 571-573.

**Del Giudice, M.** (2017). Integration in personality research: Evolution is the missing catalyst. [Comment on Baumert et al., 2017] *European Journal of Personality*, *31*, 536-537.

**Del Giudice, M.** (2017). Pink, blue, and gender: An update. *Archives of Sexual Behavior*, *46*, 1555-1563.

**Del Giudice, M.,** Lippa, R. A., Puts, D. A., Bailey, D. H., Bailey, J. M., & Schmitt, D. P. (2016). Joel et al.'s method systematically fails to detect large, consistent sex differences. *Proceedings of the National Academy of Sciences USA*, *113*, E1965.

**Del Giudice, M.** (2015). Children's work as a window into the energetic, reproductive, and cognitive trade-offs of human life history. [Comment on Lancy, 2015] *Current Anthropology*, *56*, 557-558.

**Del Giudice, M.** (2014). Life history plasticity in humans: The predictive value of early cues depends on the temporal structure of the environment. [Comment on Nettle et al., 2013] *Proceedings of the Royal Society B*, *281*, 20132222.

**Del Giudice, M.** (2012). Principles of social evolution: The grandeur of inclusive fitness. [Review of Bourke (2011). *Principles of social evolution*. Oxford University Press]. *Human Ethology Bulletin*, *27*, 5-7.

**Del Giudice, M.** (2012). The twentieth century reversal of pink-blue gender coding: A scientific urban legend? *Archives of Sexual Behavior*, *41*, 1321-1323.

Bailey, D. H., Lippa, R. A., **Del Giudice, M.**, Hames, R., & Geary, D. C. (2012). Sex differences in spatial abilities: Methodological problems in Hoffman et al. *Proceedings of the National Academy of Sciences USA*, DOI: 10.1073/pnas.1114679109.

## INVITED TALKS AND LECTURES

**2023.** *Sex differences in brain size: What do they mean?* Invited talk at the workshop *Sex/gender differences: The Big Conversation*. October 1, 2023, Santa Fe, NM.

**2023.** *Making sense of mental disorders: evolutionary challenges and insights.* Invited talk at the symposium *UNIMIB early career researchers meet evolutionary mental health sciences*. Department of Medicine, University of Milan-Bicocca. June 22, 2023, Milan, Italy.

**2023.** *Challenges and prospects for evolutionary psychiatry.* Invited talk at the symposium *Evolutionary psychiatry: From theory to therapy*. Institute for Evolutionary Medicine, University of Zurich, CH. May 15, 2023.

**2023.** *A general architecture for motivation, emotion, and personality.* Colloquium at the Department of Psychology, University of Minnesota. May 5, 2023, Minneapolis, MN.

**2022.** *The Promise and Pitfalls of Multiverse Methods.* Invited talk at the Durham RIOTS Club, Durham University, UK. November 16, 2022 (online).

**2022.** *Research Pathways in Evolutionary Psychology* [Percorsi di ricerca in psicologia evoluzionistica]. Invited talk at the 8<sup>th</sup> Annual Meeting of the Bologna School of Cognitive Therapy (SBPC). November 12, 2022 (online).

**2022.** *At the frontier of sex differences: Explorations between biology and methodology.* Colloquium at the Department of Anthropology, Pennsylvania State University. October 12, 2022, State College, PA.

**2022.** *At the frontier of sex differences: Explorations between biology and statistics.* Invited talk at the Oklahoma Center for Evolutionary Analysis (OCEAN), Oklahoma State University. March 4, 2022 (online).

**2022.** *From individual differences to personality: An integrative research program.* Invited talk at the Center for Mind/Brain Sciences (CiMeC) of the University of Trento. March 3, 2022 (online talk).

**2021.** *Evolutionary psychopathology: New developments and integrative models* [Psicopatologia evoluzionistica: nuovi sviluppi e modelli integrativi]. Plenary talk at the 20<sup>th</sup> Congress of the Italian Society for Cognitive-Behavioral Therapy (SITCC). September 18, 2021, Bologna, Italy.

**2021.** *Mechanisms of personality: A hierarchical coordination model for human and animal research.* Invited talk at the workshop *The evolution of personality in animals and humans*. September 8–12, 2021, Erice, Italy.

**2021.** *Multivariate profiles of personality: Explorations between biology and methodology.* Invited talk at the Department of General Psychology, University of Padua. June 15, 2021, Padua, Italy.

**2021.** *Attachment organization and disorganization: New evolutionary perspectives* [Organizzazione e disorganizzazione dell'attaccamento: Nuove prospettive evoluzionistiche]. Invited talk at the Department of Psychology, University of Turin. May 3, 2021, Turin, Italy.

**2021.** *Motivational systems, emotions and personality: New evolutionary perspectives* [Sistemi motivazionali, emozioni e personalità: Nuove prospettive evoluzionistiche]. Webinar at the Bologna School of Cognitive Therapy (SBPC). April 27, 2021 (online).

**2020.** *The structure of psychopathology: An evolutionary approach.* Invited talk at the Virtual Conference of the Alabama Psychiatric Physicians Association. October 10, 2020 (online).

**2020.** *Evolutionary psychopathology: An integrative approach to mental disorders.* Invited talk at the Pioneers in Biomedical Research Program, Fralin Institute, Virginia Tech. February 28, 2020, Roanoke, VA.

**2019.** *Form follows (dys)function: An evolutionary model of the structure of psychopathology.* Invited talk at the workshop *Ethology, psychology, psychiatry: An evolutionary approach.* October 22–27, 2019, Erice, Italy.

**2019.** *Form follows (dys)function: An evolutionary model of the structure of psychopathology.* Invited talk at the 3<sup>rd</sup> symposium of the EPSIG, Royal College of Psychiatrists, March 22, 2019, London, UK.

**2019.** *Plasticity in mismatched environments: A double-edged sword?* Invited talk at the Evolution and Human Adaptation Program, University of Michigan, February 21, 2019, Ann Arbor, MI.

**2018.** *Brains bite back: Neuroendocrine countermeasures to parasite manipulation.* Invited talk at the Zombie Apocalypse Medicine Meeting, Arizona State University, October 21, 2018, Tempe, AZ.

**2018.** *More than inflammatory biomarkers: A functional perspective on IL-6 and CRP.* Invited talk at the Social Neuroendocrinology preconference of the Human Behavior and Evolution Society conference, July 4, 2018, Amsterdam, Netherlands.

**2018.** *The structure of psychopathology: An evolutionary perspective.* Invited talk at the Psychiatry Grand Rounds, Department of Psychiatry, University of New Mexico. April 20, 2018, Albuquerque, NM.

**2018.** *Developmental plasticity: Crisis and opportunity.* Invited colloquium at the University of California-Riverside, Department of Psychology, March 19, 2018, Riverside, CA.

**2018.** *What is stress? A control theory perspective.* Invited talk at the Editor's Challenge workshop of the Society for Integrative and Comparative Biology, January 3, 2018, San Francisco, CA.

**2017.** *Middle childhood as a developmental turning point: implications for endocrinology and social behavior.* Invited talk at the Evolutionary Preconference of the Society for Research in Child Development conference, April 5, 2017, Austin, TX.

**2017.** *A unifying framework for evolutionary psychopathology.* Invited talk at the University of California-Los Angeles, Center for Behavior, Evolution and Culture, March 13, 2017, Los Angeles, CA.

**2017.** *Developmental plasticity: Crisis and opportunity.* Invited colloquium at the University of Minnesota, Department of Psychology/Institute for Child Development, February 13, 2017, Minneapolis, MN.

**2017.** *The social endocrinology of middle childhood: questions and insights.* Invited talk at the Social Neuroendocrinology preconference of the Society for Personality and Social Psychology convention, January 19, 2017, San Antonio, TX.

**2017.** *Life history models of personality and behavior: Where do we go from here?* Invited talk at the Evolutionary Psychology preconference of the Society for Personality and Social Psychology convention, January 19, 2017, San Antonio, TX.

**2016.** *Developmental plasticity: Crisis and opportunity.* Invited colloquium at Northwestern University, Department of Anthropology, October 27, 2016, Evanston, IL.

**2016.** *An evolutionary life history framework for lifespan human development, physiology, and psychopathology.* Invited colloquium at the University of Chicago, Department of Comparative Human Development, October 25, 2016, Chicago, IL.

**2016.** Invited participation to the conference *The evolution of psychopathology.* April 18–19, 2016, Oakland University, Rochester, MI.

**2016.** *Evolutionary Psychopathology.* Invited colloquium at the annual psychiatry residents' retreat, Department of Psychiatry, University of New Mexico. April 15, 2016, Albuquerque, NM.

**2016.** *A tower unto Heaven: Toward a unifying evolutionary framework for psychopathology.* Invited colloquium at University of Miami, Department of Psychology, March 3, 2016, Miami, FL.

**2015.** *Attachment and developmental risk in boys: An evolutionary perspective.* Invited talk at the conference *The psychology of boys at risk: Indicators from 0-5.* November 5-6, 2015, Santa Fe, NM.

**2015.** *Integrative mechanisms in human behavior and physiology: A life history perspective.* Invited talk at the workshop *Adapted mind-adapted body: The evolution of human behavior and its neuroendocrine regulation.* June 17–21, 2015, Erice, Italy.

**2015.** *Denial of pregnancy: A clinical and biological puzzle.* Invited Ob/Gyn Grand Rounds at University of New Mexico, Department of Obstetrics and Gynecology, June 5, 2015, Albuquerque, NM.

**2014.** *A tower unto Heaven: A unifying framework for evolutionary psychopathology.* Invited colloquium at McMaster University, Department of Psychology, November 21, 2014, Hamilton, Canada.

**2014.** *Prenatal stress in evolutionary perspective.* Invited workshop and colloquium at the Behavioural Science Institute, Radboud University Nijmegen, October 2-3, 2014, Nijmegen, Netherlands.

**2014.** *The ontogeny of plasticity: A tale of calibration and conflict.* Invited talk at the ZiF workshop *New perspectives in behavioural development: adaptive shaping of behaviour over a lifetime?* September 29 – October 1, 2014, Bielefeld, Germany.

**2014.** *Genomic imprinting: The family within.* Invited mini-course at the 26<sup>th</sup> Evolution and Human Behavior Conference, July 30 – August 20, 2014, Natal, Brazil.

**2014.** *Fetal programming of health and disease: Insights and challenges from an evolutionary-developmental perspective.* Invited talk at the University of California – Irvine, Medical Center. April 4, 2014, Irvine, CA.

**2013.** *Evolutionary perspectives on early stress and behavioral development.* Invited talk at the 8<sup>th</sup> DOHaD Congress, November 17-20, 2013, Singapore.

**2013.** *The dark side of plasticity: Does conflict shape prenatal stress physiology?* Talk at the Jacobs Foundation Conference, April 24-26, 2013, Marbach, Switzerland.

**2013.** *Rethinking the role of stress in development from an evolutionary perspective.* Invited talk at the VSPA Psychology Conference, April 9, 2013, Amsterdam, Netherlands.

**2013.** *Stress and life history development: An integrative approach.* Invited talk at the University of New Mexico, Department of Psychology. February 7, 2013, Albuquerque, NM.

**2013.** *Middle childhood as a developmental turning point: Integrating evolution, neurobiology, and behavior.* Invited talk at the University of California – Davis, Department of Human Ecology. January 22, 2013, Davis, CA.

**2012.** *Fluctuating sex ratios and the evolution of personality.* Invited talk at the 16th European Conference on Personality Psychology. July 11, 2012, Trieste, Italy.

**2012.** *Sex differences, sex ratios, and the evolution of personality.* Invited talk at the University of California – Santa Barbara, Department of Psychology. May 31, 2012, Santa Barbara, CA.

**2012.** *Misleading means: A new look at gender differences in personality.* Invited talk at the University of Chicago, Department of Comparative Human Development. May 22, 2012, Chicago, IL.

**2012.** *Making sense of stress: An evolutionary-developmental theory.* Invited talk at the University of Chicago, Department of Psychology. April 9, 2012, Chicago, IL.

**2011.** *Personality evolution: The sex ratio hypothesis.* Invited talk at the University of California - Davis, Department of Environmental Science and Policy. December 13, 2011, Davis, CA.

**2011.** *Making sense of stress: An evolutionary-developmental theory.* Invited talk at the University of California - Davis, Department of Environmental Science and Policy. December 6, 2011, Davis, CA.

**2011.** *The sex ratio hypothesis of personality evolution.* Invited talk at the University of Edinburgh, Department of Psychology. November 21, 2011, Edinburgh, UK.

**2011.** *Making sense of individual differences: Evolution, development, and neurobiology.* Invited talk at the German Primate Center (DPZ). October 27, 2011, Göttingen, Germany.

**2011.** *The stress response system as a mechanism of developmental calibration.* Invited talk at the EuroSTRESS symposium *The mismatch hypothesis of psychiatric disease.* May 12–13, 2011, Groningen, Netherlands.

**2011.** *The stress response system as a mechanism of developmental calibration.* Invited talk at the BCN symposium *Epigenetics of Behavior.* May 11, 2011, Groningen, Netherlands.

**2011.** Invited participation to the NESCENT symposium *Evolutionary mismatch and what to do about it.* May 2–4, 2011, Durham, NC.

**2011.** *Toward the big picture: An evolutionary framework for the development of individual differences.* Invited talk at the Institute for Mind and Biology, University of Chicago. April 6, 2011, Chicago, IL.

**2011.** *The stress response system as a mechanism of adaptive calibration: Implications for developmental theory, empirical research, and intervention.* Invited talk at the Evolutionary Preconference of the SRCD. March 30, 2011, Montréal, Canada.

**2009.** Invited participation in the World Health Summit symposium *Evolution and Diseases of Modern Environments.* Charité Universitätsmedizin, Berlin. October 12-15, 2009, Berlin, Germany.

**2008.** *Human attachment in an evolutionary perspective.* Invited talk at the Mind Forum IV: Minds in interaction. September 4-6, 2008, Majvik, Finland.

## TEACHING

**2023.** *Statistical Principles* (PSY 2510). Undergraduate course. Department of Psychology, University of New Mexico.

**2022.** *Behavior Genetics* (PSY 450/650). Graduate/upper-level undergraduate course. Department of Psychology, University of New Mexico.

**2021.** *Evolutionary Psychopathology* (co-taught with Alessandro Zennaro). Upper-level undergraduate course. Department of Psychology, University of Turin, Torino, Italy.

**2021.** *Evolutionary Psychology* (module). Undergraduate course. Scuola di Studi Superiori Ferdinando Rossi, University of Turin, Torino, Italy.

**2020-2023.** *Replicability in Scientific Research* (PSY 450/650). Graduate/upper-level undergraduate course. Department of Psychology, University of New Mexico.

**2019-2023.** *Multivariate statistics* (PSY 601). Graduate course. Department of Psychology, University of New Mexico.

**2019-2022.** *Evolution and Human Behavior* (PSY 342). Undergraduate course. Department of Psychology, University of New Mexico.

**2019.** *The Ecology and Evolution of Decision Making* (PSY 650). Graduate course. Global and National Security Policy Institute, University of New Mexico.

**2018.** *General Psychology* (PSY 105). Undergraduate course. Department of Psychology, University of New Mexico.

**2017-2022.** *Advanced statistics* (PSY 501). Graduate course. Department of Psychology, University of New Mexico.

**2015-2018.** *Evolution, Brain and Behavior* (PSY 342). Undergraduate course. Department of Psychology, University of New Mexico.

**2015.** *Meta-analysis* (PSY 450/650). Graduate/upper-level undergraduate course. Department of Psychology, University of New Mexico.

**2015.** *Attachment theory* (PSY 450/650). Graduate/upper-level undergraduate course. Department of Psychology, University of New Mexico.

**2014-2016.** *Psychology of Personality* (PSY 331). Undergraduate course. Department of Psychology, University of New Mexico.

**2014.** *Stress: Evolution and Development* (PSY 450/650). Graduate/upper-level undergraduate course. Department of Psychology, University of New Mexico.

**2014.** *Evolutionary Psychopathology* (PSY 450/650). Graduate/upper-level undergraduate course. Department of Psychology, University of New Mexico.

**2013.** *General Psychology*. Undergraduate course. Department of Psychology, University of Turin, Torino, Italy.

**2013.** *General Psychology*. Undergraduate course. Department of Education, University of Turin, Torino, Italy.

**2012.** *Evolution of Human Development*. Graduate course. (co-taught with Dario Maestripieri). University of Chicago.

**2010-2012.** *Decision making: Cognitive processes and evolutionary foundations*. Undergraduate course. School of Advanced Studies, University of Turin (SSST), Torino, Italy.

**2007-2010.** *Basic data analysis for the neurosciences.* Graduate course. Graduate School in Neuroscience, University of Turin, Torino, Italy.

**2007-2010.** *Advanced data analysis for the neurosciences.* Graduate course. Graduate School in Neuroscience, University of Turin, Torino, Italy.

**2006-2008.** Undergraduate seminars on data analysis. Psychology Department, University of Turin, Torino, Italy.

**2005-2010.** Undergraduate lectures on evolutionary psychology, emotion psychology, and data analysis. Psychology Department, University of Turin, Torino, Italy.

**2005.** Teaching assistant: *Psychology of communication.* Undergraduate course. Psychology Department, University of Turin, Torino, Italy.

## GRANTS

**2018.** Principal Investigator, UNM Research Allocation grant: *Personality, stress responsivity, and stress-immune interactions* (\$ 10,000).

**2008-2010.** Co-investigator, research grant: *The invisible grammar of social relations* (€ 250,000). Principal investigator: Cristina Becchio. Regione Piemonte, “Scienze Umane e Sociali 2008.”

**2008-2010.** Co-investigator, research grant: *Action representations and their impairment* (€ 200,000). Principal investigator: Giacomo Rizzolatti. Compagnia di San Paolo, “Progetto Neuroscienze.”

## JOURNAL EDITORSHIP

**2015-2018.** Associate Editor: *Evolution and Human Behavior* (Elsevier).

**2014-present.** Editorial board member: *Adaptive Human Behavior and Physiology* (Springer).

## AD-HOC REVIEWING

Adaptive Human Behavior and Physiology  
American Psychologist  
Archives of Scientific Psychology

Archives of Sexual Behavior  
Behavioral and Brain Sciences  
BioEssays  
Biological Psychiatry  
Brain Imaging and Behavior  
Cerebral Cortex  
Child Development  
Child Development Perspectives  
Clinical Psychology Review  
Current Anthropology  
Current Biology  
Current Directions in Psychological Science  
Development and Psychopathology  
Developmental Psychology  
Developmental Psychobiology  
Developmental Review  
Developmental Science  
Disputatio  
Elsevier (books)  
European Journal of Personality  
Evolution & Human Behavior  
Evolutionary Human Sciences  
Evolutionary Psychological Science  
Evolutionary Psychology  
Frontiers in Psychiatry  
Frontiers in Psychology  
Frontiers in Zoology  
Guilford University Press (books)  
Human Nature  
Intelligence  
International Journal of Psychology  
Journal of the Canadian Academy of Child and Adolescent Psychiatry  
Journal of Experimental Child Psychology  
Journal of Experimental Psychology  
Journal of Individual Differences  
Journal of Neural Transmission  
Journal of Open Inquiry in Behavioral Science  
Journal of Personality and Social Psychology  
Journal of Psychotherapy Integration  
Journal of Research in Personality  
Journal of Social and Personal Relationships  
Neuroscience and Biobehavioral Reviews  
New Ideas in Psychology  
OpenPsych  
Oxford University Press (books)  
Perception  
Personality and Individual Differences

Personality and Social Psychology Bulletin  
Perspectives on Psychological Science  
Philosophical Transactions of the Royal Society of London B  
Physiology & Behavior  
PLoS ONE  
Proceedings of the National Academy of Sciences USA  
Proceedings of the Royal Society of London B  
PsyCH Journal  
Psychiatry Research  
Psychological Bulletin  
Psychological Review  
Psychological Science  
Psychoneuroendocrinology  
Review of General Psychology  
Routledge (books)  
Royal Society Open Science  
Scandinavian Journal of Psychology  
Scientific Reports  
Springer (books)  
Social Development  
Social and Personality Psychology Compass  
Social Psychological and Personality Science  
Stats  
WIREs Cognitive Science

Autorizzo il trattamento dei dati personali nelle modalità previste dal Regolamento UE 2016/679