

ROBERT A. JOSEPHS

PROFESSOR OF PSYCHOLOGY

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EMPLOYMENT

- 2016 – present Adjunct Professor of Psychiatry (zero-time, by courtesy), Department of Psychiatry, Dell Medical School, The University of Texas at Austin
- 2009 – present Professor of Clinical Psychology (tenured), Department of Psychology, The University of Texas at Austin
- 2008 – present Professor of Social and Personality Psychology (tenured), Department of Psychology, The University of Texas at Austin

PATENTS

Awarded*

- 2020 Josephs, R.A., et al. (2020). *European Patent, Application No. 15 834 874.8-1112*. (EPO patent number forthcoming). European Patent Office, 80298 Munich, Germany. (Issue Date 12/11/2020).
- 2020 Josephs, R.A., et al. (2020). *U.S. Patent Number 10,751,348*. Washington, D.C.: U.S. Patent and Trademark Office (Issue Date 08/25/2020).
- 2019 Josephs, R.A., et al. (2019). *U.S. Patent Number 10,258,631*. Washington, D.C.: U.S. Patent and Trademark Office (Issue Date 04/16/2019).

Under Review†

Formulations of testosterone and methods of treatment therewith, by Robert A Josephs, et al.
Chinese Patent Application No. 201780022257.9
Brazilian Patent Application No. BR 11 2018 067554-7
Canadian Patent Application No. 3,016,542
Korean Patent Application No. 10-2018-7028381

Commercialization‡

Aqueous intranasal testosterone: Formulations and indications, licensed by Acerus Pharmaceuticals Corporation, Mississauga, Canada. Provisional Licensure: 02/01/2017. Full Licensure: 03/19/2019

* “**Awarded**” confers “the right to exclude others from making, using, offering for sale, or selling the invention throughout the United States or importing the invention into the United States and its territories and possessions for which the term of the patent shall be generally 20 years from the date on which the application for the patent was filed in the United States.”

† “**Under Review**” indicates that the application has passed preliminary examination and is subject to full examination by the country’s patent office.

‡ **Acerus Pharma** is under contract with UT-Austin to develop an intranasal testosterone spray for commercial market, pending FDA approval.

GRANTS (SINCE 2016)

Active

2015 – 2020 1R01HD084772: *Estimating and understanding effects of teaching teens that people can change*. Total costs: \$2,989,340. (PI: David Yeager, Department of Psychology, UT-Austin).
Role: Co-PI

Completed

2015 – 2018 NSF1449620: *A multinomial process model of moral judgment*. Total costs: \$335,602. (PI: Bertram Gawronski, Department of Psychology, UT-Austin).
Role: Co-I

2013 – 2017 RO1GM105042: *The role of emotion and communication in cooperative behavior*. Total costs: \$976,035 (PI: Risto Mikkulainen, Department of Computer Science, UT-Austin).
Role: Paid Consultant

MANUSCRIPTS (SINCE 2016)

In Preparation

Lee, H. Y., Jamieson, J. P., **Josephs, R. A.**, Reis, H. T., Beevers, C. G., Dobias, M., ... & Yeager, D. S. (in prep). An incremental theory of personality promotes stress resilience in adolescence: Evidence from a pre-registered replication study. Planned analyses pre-registered at <https://osf.io/d2ua7/>

Lee, H. Y., Jamieson, J. P., **Josephs, R. A.**, Beevers, C. G., Reis, H. T., & Yeager, D. S. (in prep). No “likes?” That’s okay: Buffering adolescents from social media evaluative distress by targeting implicit theories.

Under Review

Feldman, T.R., Carlson, C.L., Hixon, J.G., Rice, L.K., Kruse, M.I., Beevers, C.G., Telch, M.J., & **Josephs, R.A.** (under review). The effect of emergency incidents on PTSD symptoms in new versus experienced first responders. *Psychological Trauma: Theory, Research, Practice, and Policy* (Impact Factor 2.529).

Sarkar, A., Harty, S., Chafkin, J.E., Feldman, R., Erdman, S.E., Gettler, L.T., Allen-Blevins, C.R., Carmody, R.N., Champagne, F.A., & **Josephs, R.A.** (solicited based on presubmission). Neuroendocrine control of parenting and caregiving behavior. *Biological Psychiatry* (Impact Factor 11.982).

Sarkar, A., Harty, S., Chafkin, J.E., Habig, B., Holekamp, K.E., Barreiro, L.B., Creel, S., & **Josephs, R.A.** (solicited based on presubmission). The biology of mammalian social status. *Ecology Letters* (Impact Factor 9.173).

Sarkar, A., Chaudhary, N., Chafkin, J.E., Harty, S., Mehta, P.H., Surbeck, M., Henrich, J. & **Josephs, R.A.** (revision invited). A hierarchy concordance model of the relationship between testosterone and social status. *Trends in Ecology & Evolution* (Impact Factor 15.938).

Published

Chafkin, J.E., Yeager, D. S., O’Brien, J., Lee, H. Y., McAfee, C., **Josephs, R. A.** (in press). Hormones and pubertal maturation interact to predict longitudinal depressive symptoms among high school girls. *Development and Psychopathology* (Impact Factor 4.357).

Seo, E., Lee, H. Y., Jamieson, J. P., Reis, H. T., **Josephs, R. A.**, Beevers, C. G., & Yeager, D. S. (in press). Trait attributions and stress appraisals explain why an entity theory of personality predicts greater internalizing symptoms during adolescence. *Development and Psychopathology* (Impact Factor 4.357).

- Feldman, T.R., Carlson, C.L., Rice, L.K., Kruse, M.I., Beevers, C.G., Telch, M.J., & **Josephs, R.A.** (in press). Psychopathology in first responders: A prospective, longitudinal study. *Psychological Trauma: Theory, Research, Practice, and Policy* (Impact Factor 2.529).
- Lee, H.Y., Jamieson, J.P., Reis, H.T., Beevers, C.G., **Josephs, R.A.**, Mullarkey, M.C., O'Brien, J., & Yeager, D.Y. (in press). Getting fewer "likes" than others on social media elicits emotional distress among victimized adolescents. *Child Development* (Impact Factor 5.024).
- Lee, H. Y., Jamieson, J. P., Miu, A. S., **Josephs, R. A.**, & Yeager, D. S. (2019). An entity theory of intelligence predicts higher cortisol levels when high school grades are declining. *Child Development, 90*(6), e849-e867 (Impact Factor 5.024).
- Brannon, S.K., Carr, S, Jin, E.S., **Josephs, R.A.**, & Gawronski, B. (2019). Exogenous testosterone increases sensitivity to moral norms in moral dilemma judgements. *Nature Human Behavior, 3*(8), 856-866 (Impact Factor 12.282).
- Sarkar, A., Mehta, P. H., & **Josephs, R. A.** (2019). The dual-hormone approach to dominance and status-seeking. *Routledge International Handbook of Social Neuroendocrinology (1 st Ed.)*, Routledge, Abingdon, UK, 113-132.
- Cobb, A. R., **Josephs, R. A.**, Lancaster, C. L., Lee, H. J., & Telch, M. J. (2018). Cortisol, testosterone, and prospective risk for war-zone stress-evoked depression. *Military medicine, 183*(11-12), 535-545 (Impact Factor 0.782).
- Mehta, P.H., Lawless Desjardins, N.M., van Vugt, M., & **Josephs, R.A.** (2017). Testosterone and cortisol predict competition over financial resources in the hawk-dove game. *Hormones and Behavior, 92*, 141-154 (Impact Factor 4.418).
- Sherman, G.D., Rice, L.K., Shuo Jin, E., Jones, A.S., & **Josephs, R.A.** (2017). Sex differences in cortisol's regulation of affiliative behavior. *Hormones and Behavior, 92*, 20-28 (Impact Factor 4.418).
- Josephs, R.A.**, Cobb, A.R., Lancaster, C.L., Lee, H., & Telch, M.J. (2017). Dual-hormone stress reactivity predicts downstream war-zone stress-evoked PTSD. *Psychoneuroendocrinology, 78*, 76-84 (Impact Factor 4.731).
- Jin, E. S. & **Josephs, R. A.** (2016). Acute and chronic physiological consequences of social rejection. In *Ostracism, Exclusion, and Rejection* (pp. 91-104). New York: Routledge.
- Fredman, L., Tkachenko, N., Bryson, N, & **Josephs, R.A.** (2016). Testosterone (T) nasal gel (Natesto™) improves erectile function and mood in hypogonadal men. *Canadian Journal of Diabetes, 40*(5), S35-S36 (Impact Factor 2.193).
- Sherman, G. D., Lerner, J. S., **Josephs, R. A.**, Renshon, J., & Gross, J. J. (2016). The interaction of testosterone and cortisol is associated with attained status in male executives. *Journal of Personality and Social Psychology, 110*(6), 921-929 (Impact Factor 5.733).

PAPER SYMPOSIUM PRESENTATIONS (SINCE 2016)

- Khurshid, S.S., Hall, E., Blomdahl, D., Jarma, D., Kinney, C. McAfee, C., Novoselic, A. **Josephs, R.A.**, & Misztal, P.K. (2020, November). *Insights into variability of indoor VOC concentrations and indoor air quality*. Paper to be presented at the 16th Conference of the International Society of Indoor Air Quality and Climate (Indoor Air 2020).
- Chafkin, J., Yeager, D.S., & **Josephs, R.A.** (2020, August). *Comparison of adolescent cortisol and testosterone measured by chemiluminescent immunoassay and liquid chromatography dual mass spectrometry*. Paper

presented at the 50th annual meeting of the International Society of Psychoneuroendocrinology Annual Conference (conference held online).

- Chafkin, J.E., **Josephs, R.A.**, O'Brien, J.O., Lee, H.Y., McAfee, C.A., Yeager, D.A. (2020, March, postponed due to COVID-19). *Pubertal Development and Hormones are Correlated with Internalizing Symptoms in Ninth Grade Girls*. Paper accepted, to have been presented at the SRA biennial meeting, San Diego, CA.
- Lee, H. Y., Jamieson, J. P., Reis, H. T., Beevers, C. G., **Josephs, R. A.**, Mullarkey, M. C., O'brien, J. M., & Yeager, D. S. (2019, March). *Insufficient likes on social media elicit negative self-referent cognitions and emotions during adolescence*. Paper presented at the 2019 SRCD biennial meeting, Baltimore, MD.
- Jin, E. S., & **Josephs, R. A.** (2018, May). *Testosterone administration, cortisol reactivity, and subjective stress*. Paper presented at the Society for Biological Psychiatry. New York, NY.
- Lee, H. Y., Jamieson, J. P., **Josephs, R. A.**, & Yeager, D. S. (2018, April). *Insufficient likes on social media elicit distress associated with depressive symptoms in adolescence*. Paper presented at the 17th SRA biennial meeting, Minneapolis, MN.
- Jin, E. S., & **Josephs, R. A.** (2018, March). *Intranasal testosterone eliminates association between cortisol reactivity and subjective stress*. Paper presented at Social Endocrinology Pre-Conference (Society for Personality and Social Psychology). Atlanta, GA.
- Lee, H. Y., Jamieson, J. P., **Josephs, R. A.**, & Yeager, D. S. (2017, May). *Worldview referendum: Correspondence between an adolescent's worldview and a winning campaign's worldview predicted testosterone responses to the 2016 election*. Paper presented at the 29th APS annual meeting, Boston, MA.
- Lee, H. Y., Jamieson, J. P., Beevers, C. G., **Josephs, R. A.**, Reis, H. T. & Yeager, D. S. (2017, April). *No "likes?" That's okay: Buffering adolescents from social media rejection by changing implicit theories of personality*. Paper presented at the 2017 SRCD biennial meeting, Austin, TX.

POSTER PRESENTATIONS (SINCE 2016)

**indicates undergraduate student advisee*

- Chafkin, J.E., **Josephs, R.A.**, Yeager, D.A. (2020, March, postponed due to COVID-19). *Adolescent Hormones: How Many Days Do We Need?* Poster accepted, to have been presented at the SRA biennial meeting, San Diego, CA.
- Lee, H. Y., Dobias, M., Jamieson, J. P., Beevers, C. G., **Josephs, R. A.**, Reis, H. T., & Yeager, D. S. (2019, March). *A large-scale replication of a growth mindset of personality intervention to improve adolescents' daily stress appraisals*. Poster presented at the 2019 SRCD biennial meeting, Baltimore, MD.
- Lee, H. Y., Dobias, M., Jamieson, J. P., Beevers, C. G., **Josephs, R. A.**, Reis H. T., & Yeager, D. S. (2018, October). *A randomized field trial of an incremental theory of personality intervention improves adolescents' daily stress appraisals*. Poster presented at the 2018 SRCD special topic meeting on Character Development, Philadelphia, PA.
- Jin, E. S. & **Josephs, R. A.** (2017, September). *Greater testosterone reactivity associated with lower subjective anxiety in response to social stressor*. International Society of Psychoneuroendocrinology Annual Conference, Zürich, Switzerland.
- Jin, E. S. & **Josephs, R. A.** (2017, May). *Basal salivary testosterone levels predicts trait anxiety in healthy men and women*. Society for Biological Psychiatry, San Diego, CA.

- Jin, E. S. & **Josephs, R. A.** (2017, April). *2D:4D Digit ratio predicts ruminative thinking for females but not for males*. Anxiety and Depression Association of America Conference, San Francisco, CA.
- Jin, E. S. & **Josephs, R. A.** (2017, April). *Distress tolerance mediates the association between resilience and anxiety symptoms*. Anxiety and Depression Association of America Conference, San Francisco, CA.
- Kemp, E.*, Jin, E. S., & **Josephs, R. A.** (2017, January). *A test of the dysfunctional stress mechanism in psychopathy*. Society for Personality and Social Psychology. San Antonio, TX.
- Jin, E. S., Rice, L. K., & **Josephs, R. A.** (2016, September). *Intranasal testosterone administration reduces acute subjective anxiety in women in response to laboratory stressor*. International Society of Psychoneuroendocrinology Annual Conference. Miami, FL.
- Jin, E. S., Rice, L. K., & **Josephs, R. A.** (2016, September). *Hypercortisolemia following pharmacological “clamp” reveals women’s vulnerability to major depressive disorder*. International Society of Psychoneuroendocrinology Annual Conference. Miami, FL.
- Rice, L. K., Jin, E. S., & **Josephs, R. A.** (2016, September). *Single dose of intranasal testosterone protects against sick days in individuals with low resilience*. International Society of Psychoneuroendocrinology Annual Conference. Miami, FL.
- Rice, L. K., Jin, E. S., & **Josephs, R. A.** (2016, September). *Single-dose hydrocortisone administration provides protection against negative mood in individuals under social threat*. International Society of Psychoneuroendocrinology Annual Conference. Miami, FL.
- Martin, O.*, Jin, E. S., Delville, Y., Rice, L. K., & **Josephs, R. A.** (2016, September). *Age is not just a number: The impact of bullying onset and acute stress reactivity*. International Society of Psychoneuroendocrinology Annual Conference. Miami, FL.
- Freeman, S. Z.*, Jin, E. S., Ravi, M.*, Rice, L. K., & **Josephs, R. A.** (2016, September). *Faulty threat appraisal reduces concordance in women’s subjective and physiological responses to acute stress*. International Society of Psychoneuroendocrinology Annual Conference. Miami, FL.
- Ravi, M.*, Jin, E. S., Freeman, S. Z.*, Rice, L. K., & **Josephs, R. A.** (2016, September). *Subjective social economic status moderates stress-buffering effects of testosterone*. International Society of Psychoneuroendocrinology Annual Conference. Miami, FL.
- Jin, E. S., Lee, M., Rice, L. K., & **Josephs, R. A.** (2016, April). *Protective role of testosterone in acute stress response*. Anxiety and Depression Association of America Conference, Philadelphia, PA.
- Jin, E. S., Rice, L. K., & **Josephs, R. A.** (2016, April). *Association between levels of resilience and acute psychological and physiological responses to a laboratory stressor*. Anxiety and Depression Association of America Conference, Philadelphia, PA.
- Lee, M., Jin, E. S., **Josephs, R. A.**, & Telch, M. J. (2016, April). *Effects of testosterone administration during anxiety-eliciting challenge*. Anxiety and Depression Association of America Conference, Philadelphia, PA.
- McDermott, K.*, Jin, E. S., Rice, L. K., & **Josephs, R. A.** (2016, April). *Sex differences in the pharmacological manipulation of the physical stress response*. Anxiety and Depression Association of America Conference, Philadelphia, PA.