

# Anthony C. Santistevan

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## Education

### University of California, Davis

PHD IN PSYCHOLOGY (*in progress*)

Advisor: Dr. Eliza Bliss-Moreau

Davis, CA

Sept 2017 - Present

### Columbia University

MS IN BIOSTATISTICS; THEORY AND METHODS TRACK

Thesis: Hidden Markov models applied to a clinical trial for the treatment of cannabis dependence.

New York, NY

May 2015

### University of California, Davis

BS IN NEUROBIOLOGY, PHYSIOLOGY, AND BEHAVIOR; MINOR IN STATISTICS

Davis, CA

Jun 2012

## Professional Experience

### Quantitative Data Analyst

FLATIRON HEALTH, INC (ACQUIRED BY ROCHE HOLDING AG IN 2018)

- Analyzed massive electronic medical record datasets to help improve treatment for cancer patients.
- Collaborated with biological scientists and physicians to draft manuscripts suitable for publication.
- Contributed to internal R package to foster standardized analytic methods within the company.

New York, NY

May 2017 - Aug 2017

### Data Scientist

CELMATIX, INC

- Developed predictive models which powered the company's core data product.
- Collaborated with biological scientists and physicians to publish papers and abstracts.
- Drafted patent applications to protect data science intellectual property.
- Wrote/maintained pipelines for ETL of data from multiple sources.
- Wrote software to visualize results from models for efficient evaluation of performance.
- Authored/maintain R package for internal use.

New York, NY

Mar 2015 - May 2017

## Publications

Bliss-Moreau, E., Williams, L., & **Santistevan, A. C.** (2019). The immutability of valence and arousal in the foundation of emotion. *Emotion*.

Baxter, M. G., **Santistevan, A.C.**, Bliss-Moreau, E., & Morrison, J. H. (2018). Timing of cyclic estradiol treatment differentially affects cognition in aged female rhesus monkeys. *Behavioral Neuroscience*, 132(4), 213–223. doi:10.1037/bne0000259

Bliss-Moreau, E., Moadab, G., **Santistevan, A.C.**, & Amaral, D. G. (2017). The effects of neonatal amygdala or hippocampus lesions on adult social behavior. *Behavioural Brain Research*, 322, 123–137. doi:10.1016/j.bbr.2016.11.052

Sekhon, L., Shaia, K., **Santistevan, A.C.**, Hunter-Cohn, K., Lee, J., Yurttas-Beim, P., & Copperman, A. (2017). The cumulative dose of gonadotropins used for controlled ovarian stimulation does not influence the odds of embryonic aneuploidy in patients with normal ovarian response. *J Assist Reprod Genetics*. doi:10.1007/s10815-017-0909-3

Wang, A., **Santistevan, A.C.**, Cohn, K. H., Copperman, A., Nulsen, J., Miller, B. T., ... Beim, P. Y. (2017). Freeze-only versus fresh embryo transfer in a multicenter matched cohort study: contribution of progesterone and maternal age to success rates. *Fertility and Sterility*. doi:10.1016/j.fertnstert.2017.05.007

## Posters & Presentations

**Santistevan, A.C.**, Moadab, G., & Bliss-Moreau, E. (2019). Innate turtle fear? Monkeys' affective reactivity to live-animals is inconsistent with common evolutionary hypotheses. In *Society for affective science 6th annual meeting*.

- Santistevan, A.C.**, Zhang, J., Barrett, L., & Bliss-Moreau, E. (2018). Characterizing connectivity networks of the dorsal and ventral anterior insula in rhesus macaques. In *Society for affective science 5th annual meeting*. Open Science Framework. doi:10.17605/OSF.IO/F6QRZ
- Santistevan, A.C.**, Hunter-Cohn, K., Kalmbach, K., Amador, E., Network, P. D., Wolff, E., & Yurttas-Beim, P. (2017). Low BMI is associated with poorer infertility treatment outcomes: analysis of 249,436 treatment cycles from 13 US fertility clinics. In *Society for reproductive investigation 65th annual meeting*.
- Zhang, J., **Santistevan, A.C.**, Hunter-Cohn, K., Kalmbach, K., Network, T. P. D., Wolff, E., & Yurttas-Beim, P. (2017). Success rates vary by ovulation induction protocol and body mass index: Toward personalized medicine for intrauterine insemination. In *Pacific coast reproductive society 65th annual meeting*.
- Rodriguez-Purata, J., **Santistevan, A.C.**, Sekhon, L., Lee, J., Hunter-Cohn, K., Mukherjee, T., ... AB, C. (2016). 1 + 1 > 2: A cost effectiveness analysis of single embryo transfer with PGS in two successive cycles vs a double embryo transfer with PGS in one. In *American society for reproductive medicine 72nd annual meeting*.
- Santistevan, A.C.**, Hunter-Cohn, K., Schnorr, J., Arredondo, F., Miller, B., Ory, S., ... Yurttas-Beim, P. (2016a). Development of personalized predictive models for non-IVF and IVF procedures in lesbian and single women sheds light on applicability of infertility biomarkers to women of unknown fertility status. In *American society for reproductive medicine 72nd annual meeting*.
- Santistevan, A.C.**, Hunter-Cohn, K., Schnorr, J., Arredondo, F., Miller, B., Ory, S., ... Yurttas-Beim, P. (2016b). Multi-center study demonstrates freeze-all IVF protocols are correlated with higher ongoing pregnancy rates in women of advanced maternal age. In *European society for reproductive endocrinology 32nd annual meeting*.
- Santistevan, A.C.**, William, L., & Bliss-Moreau, E. (2015). Is there a social dimension to emotion? Using novel methodological approaches to revisit the structure of affect. In *Society for affective science 2nd annual meeting*.

## Patents

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- Beim, P., Parfitt, D., Hu-Seliger, T., & **Santistevan, A.C.** (2018). *Methods and systems for assessing fertility based on subclinical genetic factors*. US 20180108431. US.
- Beim, P., Parfitt, D., Hu-Seliger, T., & **Santistevan, A.C.** (2017). *Methods and systems for assessing infertility and ovulatory function disorders*. US 20170262580. US.

## Ad hoc reviewer

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**Journal** Emotion