

# Alexander Weiss

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The University of Edinburgh  
Department of Psychology  
School of Philosophy, Psychology and Language Sciences  
7 George Square  
Edinburgh EH8 9JZ  
United Kingdom

Phone: +44 131 650 3456  
FAX: +44 131 650 3461  
Email: alex.weiss@ed.ac.uk

## Personal Details

Date of Birth: 20 June 1971  
Place of Birth: Frankfurt, Germany  
Citizenship: USA

## Positions Held

2019– Visiting Professor, Wildlife Research Center, Kyoto University  
2010– Senior Lecturer, Department of Psychology, School of Philosophy, Psychology and Language Sciences, The University of Edinburgh  
2005–2010 Lecturer, Department of Psychology, School of Philosophy, Psychology and Language Sciences, The University of Edinburgh

## Education & Training

2002–2005 Post-doctoral Fellow, National Institute on Aging, NIH  
1996–2002 University of Arizona, PhD Psychology  
1993–1996 California State University, Long Beach, MA Comparative Psychology  
1989–1993 California State University, Los Angeles, BA Psychology

## Research Interests in Humans and in Nonhuman Primates

Primate behavior  
Evolution of personality structure and variation  
Lifecourse epidemiology  
Subjective well-being and covitality  
Behavior genetics  
Multivariate statistics

## Recognition of Research

2019	"Studying primate personality in zoos: implications for the management, welfare and conservation of great apes" identified as one of the top downloaded articles published in 2017-2018 in <i>International Zoo Yearbook</i>
2014	Elected Fellow of the Royal Society of Biology
2013	Fulker Award for best paper in <i>Behavior Genetics</i>
2012	"Evidence for a 'midlife crisis' in great apes consistent with the U-shape in human well-being" identified as one of the 20 most-read papers online during November in <i>Proceedings of the National Academy of Sciences of the United States of America</i>
	"All too human? Chimpanzee and orang-utan personalities are not anthropomorphic projections" identified as the second most downloaded article in <i>Animal Behaviour</i> within a 90 day period
2009	Paper "A cross-setting study of chimpanzee ( <i>Pan troglodytes</i> ) personality structure and development: Zoological Parks and Yerkes National Primate Research Center" recognized by the <i>American Journal of Primatology</i> as being one of the five most frequently cited papers of 2007
1998	Thompson Award for Outstanding Research by an Associate Member of the Behavior Genetics Association

## Recognition of Teaching

2019	Edinburgh University Students' Association Student-Staff Partnership Award
2011, 2012	Nominated for Edinburgh University Students' Association Teaching Award
2009–2011, 2013	Highest rated Year 2 Psychology module

## Affiliations

2014–	International Collaborator, Kyoto University Leading Graduate Program in Primatology and Wildlife Science
2012–	Research Member, Medical Research Council Centre for Cognitive Ageing and Cognitive Epidemiology

## Research Output

### Articles

- Weiss, A., Costa, P. T., Jr., Deary, I. J., Garside, D. B., & Stamler, J. (2020). The MMPI factor scales and risk of death in men during 45 years of follow-up: The Western Electric Study. *Psychology and Aging*, 35, 97–111. doi:10.1037/pag0000421
- Weiss, A. & Deary, I. J. (2020). A new look at neuroticism: Should we worry so much about worrying? *Current Directions in Psychological Science*, 29, 92–101. doi:10.1177/0963721419887184
- Hill, W. D., Weiss, A., Liewald, D., Davies, G., Porteous, D. J., Hayward, C., ... Deary, I. J. (2019). Genetic contributions to two special factors of neuroticism are associated with affluence, higher intelligence, better health, and longer life. *Molecular Psychiatry*. doi:10.1038/s41380-019-0387-3
- Martin, J. S., Staes, N., Weiss, A., Stevens, J. M. G., & Jaeggi, A. V. (2019). Facial width-to-height ratio is associated with agonistic and affiliative dominance in bonobos (*Pan paniscus*). *Biology Letters*, 15, 20190232. doi:10.1098/rsbl.2019.0232
- von Borell, C., Weiss, A., & Penke, L. (2019). Developing individual differences in primate behavior: The role of genes, environment and their interplay. *Behavioral Ecology and Sociobiology*, 73, 20. doi:10.1007/s00265-019-2633-8
- Weiss, A., Gale, C. R., Čukić, I., Batty, G. D., McIntosh, A. M., & Deary, I. J. (2019). Conditioning on a collider may or may not explain the relationship between lower neuroticism and premature mortality in the study by Gale et al. (2017): A reply to Richardson, Davey Smith, and Munafó (2019). *Psychological Science*, 30, 633–638. doi:10.1177/0956797619833325
- Altschul, D. M., Hopkins, W. D., Herrelko, E. S., Inoue-Murayama, M., Matsuzawa, T., King, J. E., ... Weiss, A. (2018). Personality links with lifespan in chimpanzees. *eLife*, 7, e33781. doi:10.7554/eLife.33781
- Gartner, M. C. & Weiss, A. (2018). Studying primate personality in zoos: Implications for the management, welfare and conservation of great apes. *International Zoo Yearbook*, 52, 79–91. doi:10.1111/izy.12187
- Inoue-Murayama, M., Yokoyama, C., Yamanashi, Y., & Weiss, A. (2018). Common marmoset (*Callithrix jacchus*) personality, subjective well-being, hair cortisol level, and *AVPR1a*, *OPRM1*, and *DAT* genotypes. *Scientific Reports*, 8, 10255. doi:10.1038/s41598-018-28112-7
- Masilkova, M., Weiss, A., & Konečná, M. (2018). How long does it take? Reliable personality assessment based on common behaviour in cotton-top tamarins (*Saguinus oedipus*). *Behavioural Processes*, 157, 59–67. doi:10.1038/s41598-018-28112
- Okeley, J., Weiss, A., & Gale, C. R. (2018). The interaction between individualism and well-being in predicting mortality: Survey of Health Ageing and Retirement in Europe. *Journal of Behavioral Medicine*, 41, 1–11. doi:10.1007/s10865-017-9871-x
- Robinson, L. M., Coleman, K., Capitanio, J. P., Gottlieb, D. H., Handel, I. G., Adams, M. J., ... Weiss, A. (2018). Rhesus macaque personality, dominance, behavior, and health. *American Journal of Primatology*, 80, e22739. doi:10.1002/ajp.22739
- Weiss, A. (2018). Comment on Wilson et al. (2014). Just think: The challenges of the disengaged mind. *Science*, 345, 75–77. *PsyArXiv*. doi:10.17605/OSF.IO/7NGM2
- Weiss, A. (2018). Personality traits: A view from the animal kingdom. *Journal of Personality*, 86, 12–22. doi:10.1111/jopy.12310

- Wilson, V. A. D., Inoue-Murayama, M., & Weiss, A. (2018). A comparison of personality in the common and bolivian squirrel monkey (*Saimiri sciureus* and *Saimiri boliviensis*). *Journal of Comparative Psychology*, 132, 24–39. doi:10.1037/com0000093
- Altschul, D. M., Wallace, E., Sonnweber, R.-S., Tomonaga, M., & Weiss, A. (2017). Chimpanzee intellect: Personality, performance, and motivation with touchscreen tasks. *Royal Society Open Science*, 4, 170169. doi:10.1098/rsos.170169
- Arnaud, C. M., Suzumura, T., Inoue, E., Adams, M. J., Weiss, A., & Inoue-Murayama, M. (2017). Genes, social transmission, but not maternal effects influence responses of wild Japanese macaques (*Macaca fuscata*) to novel-object and novel-food tests. *Primates*, 58, 103–113. doi:10.1007/s10329-016-0572-9
- Bellegarde, L. G. A., Erhard, H. W., Weiss, A., Boissy, A., & Haskell, M. J. (2017). Valence of facial cues influences sheep learning in a visual discrimination task. *Frontiers in Veterinary Science*, 4, 188. doi:10.3389/fvets.2017.00188
- Bellegarde, L. G. A., Haskell, M. J., Duvaux-Ponter, C., Weiss, A., Boissy, A., & Erhard, H. W. (2017). Face-based perception of emotions in dairy goats. *Applied Animal Behaviour Science*, 193, 51–59. doi:10.1016/j.applanim.2017.03.014
- Ciardelli, L. E., Weiss, A., Powell, D., & Reiss, D. (2017). Personality dimensions of the captive California sea lion (*Zalophus californianus*). *Journal of Comparative Psychology*, 131, 50–58. doi:10.1007/BF01065872
- Gale, C. R., Čukić, I., Batty, G. D., McIntosh, A., Weiss, A., & Deary, I. J. (2017). When is higher neuroticism protective against death? findings from UK Biobank. *Psychological Science*, 28, 1345–1357. doi:10.1177/0956797617709813
- Koski, S. E., Buchanan-Smith, H. M., Ash, H., Burkart, J. M., Bugnyar, T., & Weiss, A. (2017). Common marmoset personality. *Journal of Comparative Psychology*, 13, 326–336. doi:10.1037/com0000089
- Okely, J. A., Weiss, A., & Gale, C. R. (2017). Wellbeing and arthritis incidence: The role of inflammatory mechanisms. findings from the English Longitudinal Study of Ageing. *Psychosomatic Medicine*. doi:10.1097/PSY.0000000000000480
- Okely, J., Shaheen, S., Weiss, A., & Gale, C. R. (2017). Wellbeing and chronic lung disease incidence: The Survey of Health, Ageing and Retirement in Europe. *PLoS ONE*, 12, e0181320. doi:10.1371/journal.pone.0181320
- Okely, J., Weiss, A., & Gale, C. R. (2017). The interaction between stress and positive affect in predicting mortality. *Journal of Psychosomatic Research*, 100, 53–60. doi:10.1016/j.jpsychores.2017.07.005
- Robinson, L. M., Altschul, D. M., Wallace, E. K., Úbeda, Y., Llorente, M., Machanda, Z., ... Weiss, A. (2017). Chimpanzees with positive welfare are happier, extraverted, and emotionally stable. *Applied Animal Behaviour Science*, 191, 90–97. doi:10.1016/j.applanim.2017.02.008
- Weiss, A. (2017). A human model of primate personality. *Proceedings of the Royal Society B-Biological Sciences*, 284, 20171129. doi:10.1098/rspb.2017.1129
- Weiss, A., Wilson, M. L., Collins, D. A., Mjungu, D., Kamenya, S., Foerster, S., & Pusey, A. E. (2017). Personality in the chimpanzees of Gombe National Park. *Scientific Data*, 4, 170146. doi:10.1038/sdata.2017.146

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- Čukić, I. & Weiss, A. (2016). Personality correlates of type 1 diabetes in a national representative sample. *Psychological Topics*, 25, 45–58.
- Freeman, H., Weiss, A., & Ross, S. R. (2016). Atypical early histories predict lower extraversion in captive chimpanzees. *Developmental Psychobiology*, 58, 519–527. doi:10.1002/dev.21395
- Garai, C., Weiss, A., Arnaud, C., & Furuichi, T. (2016). Personality in wild bonobos (*Pan paniscus*). *American Journal of Primatology*, 78, 1178–1189. doi:10.1002/ajp.22573
- Gartner, M. C., Powell, D. M., & Weiss, A. (2016). A comparison of subjective well being and personality assessments in the clouded leopard (*Neofelis nebulosa*), snow leopard (*Panthera uncia*), and African lion (*Panthera leo*). *Journal of Applied Animal Welfare Science*, 19, 294–302. doi:10.1080/10888705.2016.1141057
- Robinson, L. M., Morton, F. B., Gartner, M. C., Widness, J., Paukner, A., Essler, J. L., ... Weiss, A. (2016). Divergent personality structures of brown and white-faced capuchins. *Journal of Comparative Psychology*, 130, 305–312. doi:10.1037/com0000037
- Robinson, L. M., Waran, N. K., Leach, M. C., Morton, F. B., Paukner, A., Lonsdorf, E., ... Weiss, A. (2016). Happiness is positive welfare in brown capuchins (*Sapajus apella*). *Applied Animal Behaviour Science*, 181, 145–151. doi:10.1016/j.applanim.2016.05.029
- Staes, N., Weiss, A., Helsen, P., Korody, M., Eens, M., & Stevens, J. M. G. (2016). Bonobo personality traits are heritable and associated with vasopressin receptor gene 1a variation. *Scientific Reports*, 6, 38193. doi:10.1038/srep38193
- Weiss, A., Baselmans, B. M. L., Hofer, E., Yang, J., Okbay, A., Lind, P. A., ... Luciano, M. (2016). Personality polygenes, positive affect, and life satisfaction. *Twin Research and Human Genetics*, 19, 407–417. doi:10.1017/thg.2016.65
- Adams, M. J., Majolo, B., Ostner, J., Schülke, O., Marco, A. D., Thierry, B., ... Weiss, A. (2015). Personality structure and social style in macaques. *Journal of Personality and Social Psychology*, 109, 338–353. doi:10.1037/pspp0000041
- Altschul, D. M., Weiss, A., & Terrace, H. (2015). Serial cognition and personality in macaques. *Animal Behavior and Cognition*, 3, 46–64. doi:10.12966/abc.02.04.2016
- Chapman, B. P., Weiss, A., Fiscella, K., Muennig, P., Kawachi, I., & Duberstein, P. R. (2015). Personalizing mortality prediction with psychosocial questionnaire data. *Medical Care*, 53, 909–915. doi:10.1097/MLR.0000000000000428
- Čukić, I., Möttus, R., Luciano, M., Starr, J. M., Weiss, A., & Deary, I. J. (2015). Do personality traits moderate the manifestation of type 2 diabetes genetic risk? *Journal of Psychosomatic Research*, 79, 303–308. doi:10.1016/j.jpsychores.2015.07.003
- Eckardt, W., Steklis, H. D., Steklis, N. G., Fletcher, A. W., Stoinski, T. S., & Weiss, A. (2015). Personality dimensions and their behavioral correlates in wild Virunga mountain gorillas (*Gorilla beringei beringei*). *Journal of Comparative Psychology*, 129, 26–41. doi:10.1037/a0038370

- Morton, F. B., Weiss, A., Buchanan-Smith, H., & Lee, P. C. (2015). Capuchin monkeys with similar personalities have higher-quality relationships independent of age, sex, kinship, and rank. *Animal Behaviour*, *105*, 163–171. doi:10.1016/j.anbehav.2015.04.013
- Weiss, A. & King, J. E. (2015). Great ape origins of personality maturation and sex differences: A study of orangutans and chimpanzees. *Journal of Personality and Social Psychology*, *108*, 648–663. doi:10.1037/pspp0000022
- Weiss, A., Staes, N., Stevens, J. M. G., Pereboom, J. J. M., Inoue-Murayama, M., & Eens, M. (2015). Personality in bonobos. *Psychological Science*, *26*, 1430–1439. doi:10.1177/0956797615589933
- Costa, P. T., Jr., Weiss, A., Duberstein, P. R., Friedman, B., & Siegler, I. C. (2014). Personality facets and all-cause mortality among Medicare patients aged 66 to 102 years: A follow-on study of Weiss and Costa (2005). *Psychosomatic Medicine*, *76*, 370–378. doi:10.1097/PSY.0000000000000070
- Čukić, I. & Weiss, A. (2014). Personality and diabetes mellitus incidence in a national sample. *Journal of Psychosomatic Research*, *77*, 163–168. doi:10.1016/j.jpsychores.2014.07.004
- Gartner, M. C., Powell, D. M., & Weiss, A. (2014). Personality structure in the domestic cat (*Felis silvestris catus*), Scottish wildcat (*Felis silvestris grampia*), clouded leopard (*Neofelis nebulosa*), snow leopard (*Panthera uncia*), and African lion (*Panthera leo*): A comparative study. *Journal of Comparative Psychology*, *128*, 414–426. doi:10.1037/a0037104
- Hagger-Johnson, G., Deary, I. J., Davies, C. A., Weiss, A., & Batty, G. D. (2014). Reaction time and mortality from the major causes of death: The NHANES-III study. *PLoS ONE*, *9*, e82959. doi:10.1371/journal.pone.0082959
- Weiss, A. & Costa, P. T., Jr. (2014). Re: “Personality and all-cause mortality: Individual-participant meta-analysis of 3,947 deaths in 76,150 adults”. *American Journal of Epidemiology*, *179*, 791–792. doi:10.1093/aje/kwt300
- Bates, T. C., Lewis, G. J., & Weiss, A. (2013). Childhood socioeconomic status amplifies genetic effects on adult intelligence. *Psychological Science*, *24*(10), 2111–2116. doi:10.1177/0956797613488394
- Chapman, B. P., Weiss, A., Barrett, P., & Duberstein, P. R. (2013). Hierarchical structure of the Eysenck Personality Inventory in a large population sample: Goldberg’s trait-tier mapping procedure. *Personality and Individual Differences*, *54*, 479–484. doi:10.1016/j.paid.2012.09.024
- Gartner, M. C. & Weiss, A. (2013). Scottish wildcat (*Felis silvestris grampia*) personality and subjective well-being: Implications for captive management. *Applied Animal Behaviour Science*, *147*, 261–267. doi:10.1016/j.applanim.2012.11.002
- Gartner, M. & Weiss, A. (2013). Personality in felids: A review. *Applied Animal Behaviour Science*, *144*, 1–13. doi:10.1016/j.applanim.2012.11.010
- Hopkins, W. D., Adams, M. J., & Weiss, A. (2013). Genetic and environmental contributions to the expression of handedness in chimpanzees (*Pan troglodytes*). *Genes Brain and Behavior*, *12*, 446–452. doi:10.1111/gbb.12044
- Morton, F. B., Lee, P. C., Buchanan-Smith, H. M., Brosnan, S. F., Thierry, B., Paukner, A., ... Weiss, A. (2013). Personality structure in brown capuchin monkeys (*Sapajus apella*): Comparisons with chimpanzees (*Pan troglodytes*), orangutans (*Pongo spp.*), and rhesus macaques (*Macaca mulatta*). *Journal of Comparative Psychology*, *127*, 282–298. doi:10.1037/a0031723

- Weiss, A., Gale, C. R., Batty, G. D., & Deary, I. J. (2013). A questionnaire-wide association study of personality and mortality: The Vietnam Experience Study. *Journal of Psychosomatic Research*, 74, 523–529. doi:10.1016/j.jpsychores.2013.02.010
- Weiss, A., Gartner, M. C., Gold, K. C., & Stoinski, T. S. (2013). Extraversion predicts longer survival in gorillas: An 18-year longitudinal study. *Proceedings of the Royal Society B-Biological Sciences*, 280, 20122231. doi:10.1098/rspb.2012.2231
- Adams, M. J., King, J. E., & Weiss, A. (2012). The majority of genetic variation in orangutan personality and subjective well-being is nonadditive. *Behavior Genetics*, 42, 675–686. doi:10.1007/s10519-012-9537-y
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- Konečná, M., Weiss, A., Lhota, S., & Wallner, B. (2012). Personality in Barbary macaques (*Macaca sylvanus*): Temporal stability and social rank. *Journal of Research in Personality*, 46, 581–590. doi:10.1016/j.jrp.2012.06.004
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- Hong, K.-W., Weiss, A., Morimura, N., Uono, T., Hayasaka, I., Humle, T., . . . Inoue-Murayama, M. (2011). Polymorphism of the tryptophan hydroxylase 2 (*TPH2*) gene is associated with chimpanzee neuroticism. *PLoS ONE*, 6, e22144. doi:10.1371/journal.pone.0022144
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- Weiss, A., Adams, M. J., & King, J. E. (2011). Happy orang-utans live longer lives. *Biology Letters*, 7, 872–874. doi:10.1098/rsbl.2011.0543
- Weiss, A., Adams, M. J., Widdig, A., & Gerald, M. S. (2011). Rhesus macaques (*Macaca mulatta*) as living fossils of hominoid personality and subjective well-being. *Journal of Comparative Psychology*, 125, 72–83. doi:10.1037/a0021187
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- Phillips, A. C., Batty, G. D., Weiss, A., Deary, I. J., Gale, C. R., Thomas, G. N., & Carroll, D. (2010). Neuroticism, cognitive ability, and the metabolic syndrome: The Vietnam Experience Study. *Journal of Psychosomatic Research*, 69, 193–201. doi:10.1016/j.jpsychores.2010.01.016
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- Weiss, A., Inoue-Murayama, M., Hong, K.-W., Inoue, E., Udon, T., Ochiai, T., ... King, J. E. (2009). Assessing chimpanzee personality and subjective well-being in Japan. *American Journal of Primatology*, 71, 283–292. doi:10.1002/ajp.v71:4
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Burks, K. D., Mellen, J. D., Miller, G. W., Lehnhardt, J., Weiss, A., Figueredo, A. J., & Maple, T. L. (2004). Comparison of two introduction methods for african elephants (*Loxodonta africana*). *Zoo Biology*, 23, 109–126. doi:10.1002/zoo.10132

Weiss, A., Egan, V., & Figueredo, A. J. (2004). Sensational interests as a form of intrasexual competition. *Personality and Individual Differences*, 36, 563–573. doi:10.1016/S0191-8869(03)00115-6

Weiss, A., King, J. E., & Enns, R. M. (2002). Subjective well-being is heritable and genetically correlated with dominance in chimpanzees (*Pan troglodytes*). *Journal of Personality and Social Psychology*, 83, 1141–1149. doi:10.1037//0022-3514.83.5.1141

Weiss, A., King, J. E., & Figueredo, A. J. (2000). The heritability of personality factors in chimpanzees (*Pan troglodytes*). *Behavior Genetics*, 30, 213–221. doi:10.1023/A:1001966224914

## Edited Books

Vonk, J., Weiss, A., & Kuczaj, S. (2017). *Personality in nonhuman animals*. Cham, Switzerland: Springer.

Inoue-Murayama, M., Kawamura, S., & Weiss, A. (2011). *From genes to animal behavior: Social structures, personalities, communication by color*. Tokyo: Springer.

Weiss, A., King, J. E., & Murray, L. (2011). *Personality and temperament in nonhuman primates*. New York: Springer.

## Contributed Chapters

Weiss, A. (2019). Personality in animals: What can we learn from a species-comparative approach? In O. P. John & R. W. Robins (Eds.), *Handbook of personality: Theory and research*. New York: Guilford Press.

Weiss, A. & Robinson, L. M. (2019). Subjective well-being and its relationship to personality in animals. In F. D. McMillan (Ed.), *Mental health and well-being of animals*. Wallingford, Oxfordshire, England: CABI.

- Deary, I. J., Gale, C. R., Weiss, A., & Luciano, M. (2017). Personality, intelligence and genes. In M. Kivimäki, G. D. Batty, I. Kawachi, & A. Steptoe (Eds.), *The routledge international handbook of psychosocial epidemiology* (pp. 170–187). London: Routledge.
- Smith, C. G. & Weiss, A. (2017). Evolutionary aspects of personality development: Evidence from nonhuman animals. In J. Specht (Ed.), *Personality development across the lifespan* (pp. 139–156). Amsterdam: Academic Press. doi:10.1016/B978-0-12-804674-6.00010-7
- Staes, N., Eens, M., Weiss, A., & Stevens, J. M. G. (2017). Bonobo personality: Age and sex effects and links with behavior and dominance. In B. Hare & S. Yamamoto (Eds.), *Bonobos: Unique in mind, brain, and behavior*. Oxford: Oxford University Press.
- Weiss, A. (2017). Exploring factor space (and other adventures) with the Hominoid Personality Questionnaire. In J. Vonk, A. Weiss, & S. Kuczaj (Eds.), *Personality in nonhuman animals* (pp. 19–38). Cham, Switzerland: Springer. doi:10.1007/978-3-319-59300-5\_2
- Weiss, A. & Altschul, D. M. (2017). Methods and applications of animal personality research. In J. Call (Ed.), *Handbook of comparative psychology* (Vol. 1, pp. 179–200). Washington, D.C.: American Psychological Association.
- Weiss, A. & Gartner, M. C. (2017). Animal personality. In T. A. Widiger (Ed.), *The Oxford handbook of the Five Factor Model* (pp. 281–300). New York: Oxford University Press. doi:10.1093/oxfordhb/9780199352487.013.24
- Weiss, A. & Luciano, M. (2015). The genetics and evolution of covitality. In M. Pluess (Ed.), *Genetics of psychological well-being: The role of heritability and genetics in positive psychology* (pp. 146–160). Oxford: Oxford University Press.
- Ferguson, E., Chamorro-Premuzic, T., Pickering, A., & Weiss, A. (2013). Five into one doesn't go: A critique of the general factor of personality. In T. Chamorro-Premuzic, S. von Stumm, & A. Furnham (Eds.), *The Wiley-Blackwell handbook of individual differences* (pp. 162–186). Chichester: Wiley-Blackwell. doi:10.1002/9781444343120.ch6
- Weiss, A. & Adams, M. J. (2013). Differential behavioral ecology: The structure, life history, and evolution of primate personality. In C. Carere & D. Maestripieri (Eds.), *Animal personalities: Behavior, physiology, and evolution* (pp. 96–123). Chicago: University of Chicago Press.
- Inoue-Murayama, M., Weiss, A., Norimura, N., Tanaka, M., Yamagiwa, J., & Idani, G. (2011). Molecular behavioral research in great apes. In M. Inoue-Murayama, S. Kawamura, & A. Weiss (Eds.), *From genes to animal behavior: Social structures, personalities, communication by color* (pp. 239–253). Tokyo: Springer. doi:10.1007/978-4-431-53892-9\_11
- King, J. E. & Weiss, A. (2011). Personality from the perspective of a primatologist. In A. Weiss, J. E. King, & L. Murray (Eds.), *Personality and temperament in nonhuman primates* (pp. 77–99). New York: Springer. doi:10.1007/978-1-4614-0176-6\_4
- Weiss, A. & Adams, M. J. (2010). Personality, temperament, and behavioral syndromes. In M. L. M. George F. Koob & R. F. Thompson (Eds.), *Encyclopedia of behavioral neuroscience* (pp. 47–53). Oxford: Elsevier. doi:10.1016/B978-0-08-045396-5.00117-2
- McCrae, R. R. & Weiss, A. (2007). Observer ratings of personality. In R. W. Robins, R. C. Fraley, & R. Krueger (Eds.), *Handbook of research methods in personality psychology* (pp. 259–272). New York: The Guildford Press.
- Weiss, A. & King, J. E. (2006). Pedigree analyses and the study of chimpanzee (*Pan troglodytes*) personality and subjective well-being. In B. C. Jones & P. Mormede (Eds.), *Neurobehavioral genetics: Methods and applications* (2nd, pp. 247–279). Boca Raton, FL: CRC press.

Weiss, A. & King, J. E. (2006). Searching for genetic and environmental contributions to personality and happiness in chimpanzees (*Pan troglodytes*). In T. Canli (Ed.), *The biology of personality and individual differences* (pp. 407–426). New York: The Guildford Press.

## Activities at Conferences Since 2005

### Invited Presentations

Weiss, A., Feldblum, J., Altschul, D. M., Foerster, S., Collins, D. A., Gilby, I. C., ... Pusey, A. E. (2019, September). *Personality variation in wild chimpanzees is maintained by its changing association with rank*. 12th International Symposium on Primatology and Wildlife Science, Inuyama, Japan.

Weiss, A. (2015, July). *Fifty-eight items: A universal language to assess primate personality and happiness*. Invited speaker at the 4th International Symposium on Primatology and Wildlife Science, Kyoto, Japan.

Weiss, A. (2015, August). *What can personality tell us about chimpanzees and vice versa?* Annual Meeting of the American Psychological Association, Toronto, Ontario, Canada.

Weiss, A. (2014, August). Seminar presented at the National Evolutionary Synthesis Center, Durham, NC.

Weiss, A. (2014, August). Seminar presented at the Center for Cognitive Neuroscience, Duke University, Durham, NC.

Weiss, A., Konečná, M., Booth, T., & Murray, A. (2014, July). *Using data reduction to understand animal personality*. Invited keynote at the European Conference on Behavioral Biology (VII), Prague, Czech Republic.

Weiss, A. (2012, July). Seminar presented at the Wildlife Research Center of Kyoto University, Kyoto, Japan.

Weiss, A. (2012, September). *Animal personality and animal welfare*. Invited speaker at the Animal Welfare: Emotion, Cognition and Behaviour Conference, Edinburgh, United Kingdom.

Weiss, A. (2012, July). *Animal personality: Well-being, health, and two out of three rs*. Invited speaker at the Association for the Study of Animal Behavior Joint Meeting with the Society for Experimental Biology (SEB), and the National Centre for the 3Rs (NC3Rs), London, United Kingdom.

Weiss, A. (2011, November). *The personalities of nonhuman primates: All too human?* Invited plenary speaker at 18th Annual Blodbad (Bloodbath), Tovetorp Zoological Research Station, Björnlunda, Sweden.

Weiss, A. (2008, March). *Monkey do, rater see? examining possible rater bias in primate personality research*. Invited guest speaker for the Behavior and Individuality in Primates and Other Mammals Meeting, Lisbon, Portugal.

Weiss, A. (2006, March). *Subjective well-being in zoo chimpanzees and orangutans*. Invited keynote address for the Spring meeting of the Primate Society of Great Britain, Stirling, United Kingdom.

Weiss, A. (2005, November). *Personality in chimpanzees and orangutans*. Invited talk at Support for African/Asian Great Apes, Osaka, Japan.

Weiss, A. (2005, November). *Personality structure and development in chimpanzees and orangutans*. Invited speaker at The HOPE International Seminar, Kyoto University Primate Research Institute, Inuyama, Japan.

## Symposia Organized

Staes, N. & Weiss, A. (2017, August). *Genetic approaches to primate behavior*. Meeting of the American Society of Primatologists, Washington, DC, United States of America.

Weiss, A. & Konečná, M. (2013, August). *A barrel of monkeys (and apes): New directions in non-human primate personality research*. Joint Meeting of the International Ethological Conference and the Association for the Study of Animal Behaviour, Newcastle, United Kingdom.

Weiss, A. & Inoue-Murayama, M. (2012, June). *Beyond the backcross: Animal models*. Meeting of the Behavior Genetics Association, Edinburgh, United Kingdom.

Weiss, A. & Inoue-Murayama, M. (2010, September). *Biological correlates of primate personality and temperament*. International Primatological Society Congress, Kyoto, Japan.

Weiss, A. & Uher, J. (2010, September). *How to study personality differences in primates*. International Primatological Society Congress, Kyoto, Japan.

Weiss, A. & Konečná, M. (2008, August). *How do we know primate personality is real and useful?* International Primatological Society Congress, Edinburgh, United Kingdom.

Weiss, A., Murray, L., & Gosling, S. D. (2005, August). *Primate personality: Past, present and progress?* Meeting of the American Society for Primatology, Portland, Oregon, USA.

## Presentations

Weiss, A., Feldblum, J., Foerster, S., Altschul, D. M., Wilson, M. L., Walker, K., ... Pusey, A. E. (2019, March). *Personality and rank in wild male chimpanzees*. International Convention on Psychological Science, Paris, France.

Wilson, M. L., Massaro, A., Gilby, I., Weiss, A., Feldblum, J., & Pusey, A. (2018, August). *Sex and violence: Is chimpanzee belligerence a byproduct of selection for mating competition?* International Primatological Society Congress, Nairobi, Kenya.

Weiss, A., Yokoyama, C., Kawasaki, A., Takeda, C., & Inoue-Murayama, M. (2017, August). *Candidate genes for personality in common marmosets, *Callithrix jacchus**. Meeting of the American Society of Primatologists, Washington, DC.

Weiss, A. (2016, May). *Personality and longevity in captive chimpanzees*. Annual Meeting of the Association for Psychological Science, Chicago, Illinois.

Weiss, A. (2015, June). *Personality research in chimpanzees and humans is a two way street*. Meeting of the Northeastern Evolutionary Psychology Society, Newcastle, United Kingdom.

Altschul, D. M., Sinn, D., & Weiss, A. (2014, September). *Personality and blood chemistry associations with cardiovascular health in chimpanzees (*Pan troglodytes*)*. Meeting of the American Society of Primatologists, Atlanta, GA, USA.

Weiss, A., Gartner, M. C., Morton, F. B., Cunningham, C., & Inoue-Murayama, M. (2014, September). *The personality, subjective well-being, and health of captive gibbons (family Hylobatidae)*. Meeting of the American Society of Primatologists, Atlanta, GA, USA.

Hopkins, W. D., Adams, M. J., & Weiss, A. (2013, April). *Heritability of handedness in chimpanzees*. Spring Meeting of the Primate Society of Great Britain, Lincoln, United Kingdom.

- Weiss, A. (2013, August). *Personality in the chimpanzees of gombe national park*. Joint Meeting of the International Ethological Conference and the Association for the Study of Animal Behaviour, Newcastle, United Kingdom.
- Weiss, A. & King, J. E. (2013, November). *A tale of three apes: Personality development in humans, chimpanzees, and orangutans*. Royal Dutch Zoological Society Conference, Groningen, The Netherlands.
- Adams, M. J., King, J. E., & Weiss, A. (2012, June). *The majority the genetic variance in orang-utan personality and subjective well-being is nonadditive*. Meeting of the Behavior Genetics Association, Edinburgh, United Kingdom.
- Bates, T. C., Lewis, G., & Weiss, A. (2012, June). *Childhood socioeconomic status magnifies genetic individual differences in adult cognition*. Meeting of the Behavior Genetics Association, Edinburgh, United Kingdom.
- Čukić, I. & Weiss, A. (2012, March). *Personality and type 2 diabetes in the National Health and Nutrition Examination Survey*. American Psychosomatic Society Annual Meeting, Athens, Greece.
- Staes, N., Stevens, J. M. G., Weiss, A., & Eens, M. (2012, June). *Oxytocin and vasopressin receptor gene polymorphisms and personality in bonobos (Pan paniscus)*. Meeting of the Behavior Genetics Association, Edinburgh, United Kingdom.
- Weiss, A., Gale, C. R., Batty, G. D., & Deary, I. J. (2012, March). *A hypothesis-free approach to studying personality-mortality associations in the Vietnam Experience Study cohort*. American Psychosomatic Society Annual Meeting, Athens, Greece.
- Adams, M. J., Penke, L., & Weiss, A. (2011, June). *Natural selection on personality has a genetic basis*. Conference of the Human Behavior and Evolution Society, Montpellier, France.
- Weiss, A. & Adams, M. J. (2011, July). *Of monkeys and men: Do the personalities of raters influence ratings of rhesus macaques?* International Society for the Study of Individual Differences Meeting, London, United Kingdom.
- Inoue-Murayama, M., Weiss, A., Kato, K., Morimura, N., Tanaka, M., Yamagiwa, J., & Idani, G. (2010, September). *Molecular behavioral research in great apes*. International Primatological Society Congress, Kyoto, Japan.
- Weiss, A. (2010, April). *Melding epidemiology and differential primatology research: Personality, subjective well-being, and longevity in orangutans*. Meeting of the British Society for the Psychology of Individual Differences, Edinburgh, United Kingdom.
- Weiss, A. & Inoue-Murayama, M. (2010, September). *Using m- and g-type factor analyses to better understand personality*. International Primatological Society Congress, Kyoto, Japan.
- Weiss, A., Inoue-Murayama, M., King, J. E., Adams, M. J., & Matsuzawa, T. (2009, December). *Ratings of zoo chimpanzees (Pan troglodytes) and orangutans (Pongo pygmaeus and Pongo abelii) are not anthropomorphic projections*. Joint Meeting of the Primate Society of Great Britain and the Association for the Study of Animal Behaviour, London, United Kingdom.
- Weiss, A., Sutin, A. R., Duberstein, P. R., Friedman, B., Bagby, R. M., & Costa, P. T., Jr. (2009, July). *The personality domains and styles of the five-factor model are related to incident depression in medicare recipients aged 65 to 100*. International Association of Gerontology and Geriatrics World Congress, Paris, France.

- Adams, M. J. & Weiss, A. (2008, August). *Personality and subjective well-being in rhesus macaques (Macaca mulatta)*. International Primatological Society Congress, Edinburgh, United Kingdom.
- Coillie, S. V., Pereboom, J. J. M., & Weiss, A. (2008, August). *Personality and subjective well-being in bonobos*. International Primatological Society Congress, Edinburgh, United Kingdom.
- Konečná, M., Weiss, A., & Lhota, S. (2008, August). *Relationship between questionnaire ratings and recorded behaviour in personality study of hanuman langur males*. International Primatological Society Congress, Edinburgh, United Kingdom.
- Weiss, A. (2008, August). *Is orangutan personality structure a product of the animals or the raters?* International Primatological Society Congress, Edinburgh, United Kingdom.
- Weiss, A., Gale, C. R., Batty, G. D., & Deary, I. J. (2008, December). *Next steps in charting the influence of intelligence on health: Intelligence, neuroticism, and mortality in Vietnam-era veterans*. International Society for Intelligence Research, Atlanta, GA, USA.
- Weiss, A., Chan, V. L. W., & MacDonald, C. (2007, March). *Personality correlates of well-being and stress-related behaviors in chimpanzees (Pan troglodytes)*. The Mind of the Chimpanzee, Chicago, IL, USA.
- Weiss, A., Honjyo, M., Hong, K.-W., Udono, S., Ochiai, T., Matsuzawa, T., . . . Inoue-Murayama, M. (2007, July). *Comparing two methods of assessing the personality of Japanese chimpanzees*. Meeting of the Primate Society of Japan, Hikone, Japan.
- Weiss, A., Bates, T. C., & Luciano, M. (2006, June). *Heritability of subjective well-being in a representative sample*. Meeting of the Behavior Genetics Association, Storrs, CT, USA.
- Weiss, A., King, J. E., & Perkins, L. (2006, March). *Personality and subjective well-being in and orangutans (Pongo pygmaeus and Pongo abelii)*. Meeting of the American Association of Physical Anthropologists, Anchorage, AK, USA.
- Weiss, A., King, J. E., & Hopkins, W. D. (2005, August). *The generalizability of chimpanzee (Pan troglodytes) personality across two habitats: Zoological parks and Yerkes National Primate Research Center*. Meeting of the American Primatological Society, Portland, OR, USA.
- Weiss, A., King, J. E., Perkins, L., & Blanke, M. K. (2003, July). *The personality of orangutans (Pongo pygmaeus and Pongo abelii)*. Meeting of the International Society for the Study of Individual Differences, Graz, Austria.

## Invited Seminars

2019	Wolf Science Center, Domestication Lab, Konrad Lorenz Institute of Ethology, University of Veterinary Medicine Vienna, Vienna, Austria
2017	Department of Animal and Aquacultural Sciences, Norwegian University of Life Sciences, Ås, Norway German Primate Center, Göttingen, Germany Institute of Biology Leiden, University of Leiden, Leiden, The Netherlands
2016	U3A Science Group, Edinburgh, United Kingdom Department of Psychology, Northwestern University, Evanston, IL The Lincoln Park Zoo, Chicago, IL
2015	RIKEN Institute, Kobe, Japan Wildlife Research Center of Kyoto University, Kyoto, Japan
2014	National Evolutionary Synthesis Center, Durham, NC Center for Cognitive Neuroscience, Duke University
2012	Wildlife Research Center of Kyoto University Center for International Collaboration and Advanced Studies in Primatology, Kyoto University Primate Research Institute Graduate School of Human Sciences, Osaka University
2009	Department of Psychology, Cambridge University
2008	Institute for Evolutionary Biology, The University of Edinburgh Department of Psychology, University of Lincoln Department of Psychology, University of Leicester
2007	Faculty of Applied Biological Sciences, Gifu University Kyoto University Primate Research Institute Department of Psychology, Tokyo University Department of Psychology, University of Portsmouth
2005	Department of Psychology, University of Stirling Department of Psychology, Glasgow Caledonian University

## Grants

2019	Kyoto University Visiting Professorship (£49,000)
2013	National Evolutionary Synthesis Center Sabbatical Scholarship (£25,000.00)
2012	Great Britain Sasakawa Foundation Small Grant (£650.00) University of Edinburgh School of Philosophy, Psychology and Language Sciences Pilot Project Award (£2822.00)
2009	Carnegie Trust of the Universities of Scotland Small Grant (£2500.00)
2007	Daiwa Anglo-Japanese Foundation Small Grant (£1000.00) The University of Edinburgh Development Trust Small Project Award (£1300.00)  The British Academy Overseas Conference Grant (£700.00)

## Teaching

### Course organizing

Year 3 Methodology  
Univariate statistics using R  
Multivariate statistics using R

### Courses and modules taught

#### Undergraduate

Inferential statistics laboratory  
Primate behavior  
Research methods laboratory  
Invertebrate psychology laboratory  
Year 1 Animal learning  
Year 2 Differential psychology  
Year 2 Abnormal behavior  
Year 3 Scale construction  
Year 4 Basic tendencies of personality

#### Postgraduate

Statistics laboratory  
Strong inference and the method of multiple working hypotheses  
The general linear model as a data analytic tool  
Intraclass correlations  
Multitrait-multimethod analysis

## Supervision

### Postdoctoral fellows

2008–2010	Ulrika Alm Bergvall, PhD
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## Doctoral students

### Primary supervisor

2018–present	Jolène van der Mescht
2015–2020	Conor Smith
2013–2017	Drew M. Altschul
2013–2017	Lucille Bellegarde
2013–2017	Lauren M. Robinson
2012–2016	Vanessa A. D. Wilson
2011–2015	Iva Čukić
2009–2013	Marieke C. Gartner
2008–2012	Mark J. Adams

### Secondary supervisor

2017–present	Qian (Yvonne) Ma
2015–present	Linnea Lyckberg
2015–2018	Roxanne Hawkins
2015–2017	Judith Okely
2011–2015	Caimei Liu
2008–2011	Gary Lewis

## MSc students

19 in Psychology, The University of Edinburgh  
1 in Applied Animal Behaviour and Welfare, Scotland's Rural College  
1 in Biology, Leiden University, The Netherlands

## Service

### University of Edinburgh

2016–2019	Postgraduate Advisor in Psychology
2012–2014	College Recruitment and Admissions Strategy Committee
2008–2016	Director of the MSc in the Psychology of Individual Differences
2008–2013	Edinburgh Compute and Data Facility Oversight by Researchers Group
2008–2019	School and Department Postgraduate Committee
2008–2012	Computing committee
2008–2012	Colloquium Committee
2008–2009	Research Day Committee
2007–2012	Health and Safety Committee
2006–2008	Staff-Student Liaison Committee

### Other organizations

2018–present	Great Ape Welfare Group
2012–present	Living Links to Human Evolution and Budungo Research Center Consortium Board
2007–2008	Judge for Primate Society of Great Britain's 2008 Napier Medal for Best Primatology PhD competition

## **Journals**

### **Editorial boards**

2015–	Psychology and Aging (Consulting Editor)
2013–	Journal of Comparative Psychology (Consulting Editor)
2015–2018	Animal Behaviour (Associate Editor)
2013–2018	Applied Animal Behavioural Sciences (Editorial Advisory Board)
2012–2015	Journal of Behavioral Medicine (Editorial Board)
2010–2014	Frontiers in Personality Science and Individual Differences (Consulting Editor)
2009–2015	Journal of Personality and Social Psychology (Consulting Editor)

### **Ad hoc peer review**

American Journal of Primatology	Journal of Applied Animal Welfare Science
Animal Behaviour	Journals of Gerontology: Psychological Sciences
Annals of Epidemiology	Journal of Experimental Psychology: General
Behavior Genetics	Journal of Health, Nutrition, and Aging
Behavioral Ecology and Sociobiology	Journal of Health Psychology
Behavioral Medicine	Journal of Personality
Behavioural Processes	Journal of Personality and Social Psychology
Biological Reviews	Journal of Psychosomatic Research
Biological Psychiatry	Journal of Research in Personality
Biology Letters	Nature Communications
Brain, Behavior, and Immunity	New England Journal of Medicine
British Journal of Health Psychology	PeerJ
British Journal of Psychology	Philosophical Transactions of the Royal Society B – Biological Sciences
Cognitive, Affective, and Behavioral Neuroscience	PLOS Computational Biology
Current Biology	PLOS ONE
Developmental Psychology	Primates
Drug and Alcohol Dependence	Proceedings of the Royal Society B – Biological Sciences
Ethology	Psychology and Aging
European Journal of Personality	Psychological Medicine
Genes, Brain, and Behavior	Psychological Science
Health Psychology	Psychosomatic Medicine
International Journal of Primatology	Royal Society Open Science
Journal of the American Geriatrics Society	
Journal of Affective Disorders	

### **Funding bodies**

#### **Ad hoc grant review**

National Science Centre (Poland)  
The Royal Society  
Vienna Science and Technology Fund  
Swiss National Science Foundation  
The Leakey Foundation  
Economic and Social Research Council UK