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# Třebická Fialová Jitka

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## **Structured CV TŘEBICKÁ FIALOVÁ Jitka**

### **Research Interests**

Human olfaction  
Social perception  
Multimodal perception  
Intrasexual competition

### **Work Career**

Since 01/2019 – present: Main investigator on project of the Czech Science Foundation Grant Agency 21-29772S: Visual and olfactory cues to intrasexual competition: psychological and physiological correlates, Department of Zoology, Faculty of Science, Charles University in Prague, Czech Republic

01/2019 – 12/2022: Researcher on project of the Czech Science Foundation Grant Agency 19-11822S: Psychology of male intra-sexual competition and associated neural correlates, National Institute of Mental Health, Klecany, Czech Republic

01/2016 – 12/2018: Researcher on project of the Czech Science Foundation Grant Agency 16-03899S: Perception of potential opponents and allies in physical encounters, Department of Zoology, Faculty of Science, Charles University in Prague, Czech Republic

01/2015 – 06/2022: Researcher, National Institute of Mental Health, Klecany, Czech Republic

01/2014 – 12/2016: Researcher on project of the Czech Science Foundation Grant Agency 14-02290S: The role of trigeminal perception in formation of olfactory preferences, Department of Zoology, Faculty of Science, Charles University in Prague, Czech Republic

2011 - 2012: Researcher on project of the Czech Science Foundation Grant Agency P407/10/1303: The development of olfactory abilities and preferences during childhood and puberty, Department of Anthropology, Faculty of humanities, Charles university in Prague, Czech Republic

#### **Selected grant projects (2013-2023)**

Visual and olfactory cues to intrasexual competition: psychological and physiological correlates, Charles University, Faculty of Science; Czech Science Foundation; GAČR 21-29772S; 01. 01. 2021 – 31. 06. 2025 (main investigator).

The effect of body odour related to competitive context on the social perception and cognition, Charles University, Faculty of Science; Charles University Grant Agency; GAUK 918214; 01. 01. 2014 – 31. 12. 2016 (main investigator).

The effect of body odour related to competitive context on the social perception and cognition, Charles University, Faculty of Science; Owen F. Aldis Scholarship; 2013 (main investigator).

Attractiveness cues to physical fitness across perceptual modalities, Charles University, Faculty of Physical Education and Sport; Czech Science Foundation; GAČR 23-05408S; 01. 01. 2023 – 31. 12. 2025 (co-investigator).

Perception of facial cues in the context of mate choice and assessment of potential rivals: Longitudinal eye-tracking study, Charles University, Faculty of Science; Charles University Grant Agency; GAUK 1374319; 01. 01. 2019 – 31. 12. 2021 (garant).

Psychology of male intra-sexual competition and associated neural correlates, Charles University, National Institute of Mental Health; Czech Science Foundation; GAČR 19-11822S; 01. 01. 2019 – 31. 12. 2021 (co-investigator).

Relationship between reactivity of immune system and human body odour and facial attractiveness, Charles University, Faculty of Science; Charles University Grant Agency; GAUK 1398218; 01. 01. 2018 – 31. 12. 2020 (co-investigator).

Perception of potential opponents and allies in physical encounters, Charles University, National Institute of Mental Health; Czech Science Foundation; GAČR 16-03899S; 01. 01. 2016 – 31. 12. 2018 (co-investigator).

The role of trigeminal perception in formation of olfactory preferences, Charles University, Faculty of Science; Czech Science Foundation; GAČR 14-02290S; 01. 01. 2014 – 31. 06. 2016 (co-investigator).

#### **Selected publications (2013-2023)**

SCHWAMBERGOVÁ, D., PÁTKOVÁ, Ž., TŘEBICKÁ FIALOVÁ, J., TŘEBICKÝ, V., STELLA, D., & HAVLÍČEK, J. (2023). Immunoactivation affects perceived body odor and facial but not vocal attractiveness. *Evolutionary Psychology*, 21. doi: 10.1177/14747049231218010

SCHWAMBERGOVÁ, D., KAŇKOVÁ, Š., TŘEBICKÁ FIALOVÁ, J., HLAVÁČOVÁ, J., HAVLÍČEK, J. (2023). Pandemic elevates sensitivity to moral disgust but not pathogen disgust. *Scientific Reports*, 13, 8206. doi: 10.1038/s41598-023-35375-2.

TŘEBICKÝ, V., DELPLANQUE, S., FERDENZI-LEMAITRE, C., FINK, B., KUNCOVÁ, L., PÁTKOVÁ, Ž., ROBERTS, S. C., RÖDER, S., SAXTON, T. K. SCHWAMBERGOVÁ, D., ŠTĚRBOVÁ, Z., TŘEBICKÁ FIALOVÁ, J., & HAVLÍČEK, J. (2023). Cross-modal associations of human body odour attractiveness with facial and vocal attractiveness provide little support for the backup signals hypothesis: A systematic review and meta-analysis. *Evolution and Human Behavior*, 44, 19-29. doi: 10.1016/j.evolhumbehav.2022.11.001

PÁTKOVÁ, Ž., SCHWAMBERGOVÁ, D., TŘEBICKÁ FIALOVÁ, J., TŘEBICKÝ, V., STELLA, D., KLEISNER, K., & HAVLÍČEK, J. (2022). Attractive and healthy-looking male faces do not show higher immunoreactivity. *Scientific Reports* 12, 18432. doi: 10.1038/s41598-022-22866-x

ROBERTS, S. C., TŘEBICKÁ FIALOVÁ, J., SOROKOWSKA, A., LANGFORD, B., SOROKOWSKI, P., TŘEBICKÝ, V., & HAVLÍČEK, J. (2022). Emotional expression in human odour. *Evolutionary Human Sciences*, 4, E44. doi:10.1017/ehs.2022.44

SCHWAMBERGOVÁ, D., SOROKOWSKA, A., SLÁMOVÁ Ž., TŘEBICKÁ FIALOVÁ J. SABINIEWICZ, A., NOWAK-KORNICKA, J., BORKOWSKA, B., PAWŁOWSKI, B., & HAVLÍČEK, J. (2021). No evidence for association between human body odour quality and immune system functioning. *Psychoneuroendocrinology*, 132, 105363.

TŘEBICKÁ FIALOVÁ, J., KYSILKOVÁ, L., MARTINEC NOVÁKOVÁ, L., & HAVLÍČEK, J. (2021) Role čichových podnětů při zahájení kojení. *Pediatric pro praxi*, 22(3), 284-288.

SHAH, S. I., WILSON, H. C., ABEL, P. D., MANGAR, S., WASSERSUG, R. J., TŘEBICKÝ, V., TŘEBICKÁ FIALOVÁ, J., ALLEN, C., ADOMAT, H. H., BELL, R. H., TOMLINSON GUNS, E. S. & ROBERTS, S. C. (2021) Gonadal suppression alters axillary steroid secretions in men, but does that affect olfactory social signaling? *Journal of Men's Health*, 17(3), 69-76. doi: 10.31083/jomh.2021.042

SCHWAMBERGOVÁ, D., SLÁMOVÁ, Ž., TŘEBICKÁ FIALOVÁ, J. & HAVLÍČEK, J. (2020) Role behaviorálního imunitního systému v obraně proti infekcím. *Česká a slovenská psychiatrie*, 116(5), 233-243.

FIALOVÁ, J., TŘEBICKÝ, V., KUBA, R., STELLA, D., BINTER, J. & HAVLÍČEK, J. (2020) Losing stinks! The effect of competition outcome on body odour quality. *Philosophical Transactions of the Royal Society B*, 375, 20190267. doi: 10.1098/rstb.2019.0267

PAVELKA, R., TŘEBICKÝ, V., TŘEBICKÁ FIALOVÁ, J., ZDOBINSKÝ, A., COUFALOVÁ, K., HAVLÍČEK, J. & TUFANO, J. J. (2020) Acute fatigue affects reaction times and reaction consistency in Mixed Martial Arts fighters. *PLoS One*, 15(1), e0227675. doi: 10.1371/journal.pone.0227675

ŠEBESTA, P., TŘEBICKÝ, V., FIALOVÁ, J. & HAVLÍČEK, J. (2019) Roar of a champion: Loudness and voice pitch predict perceived fighting ability in MMA fighters. *Frontiers in Psychology*, 10, 859.

FIALOVÁ, J., HAVLÍČEK, J., HOFFMANN, R. & ROBERTS, S. C. (2019) The effect of complete caloric intake restriction on human body odour quality. *Physiology and Behavior*, 210, 112554.

TŘEBICKÝ, V., FIALOVÁ, J., STELLA, D., COUFALOVÁ, K., PAVELKA, R., KLEISNER, K., KUBA, R., ŠTĚRBOVÁ, Z. & HAVLÍČEK, J. (2019) Predictors of fighting ability inferences from faces. *Frontiers in Psychology*. 9:2740. doi: 10.3389/fpsyg.2018.02740

TŘEBICKÝ, V., FIALOVÁ, J., STELLA, D., ŠTĚRBOVÁ, Z., KLEISNER, K. & HAVLÍČEK, J. (2018) 360 Degrees of facial perception: Congruence in perception of frontal portrait, profile, and rotation photographs. *Frontiers in Psychology*. 9:2405. doi: 10.3389/fpsyg.2018.02405

SOROKOWSKA, A., ET AL. (2018) Global study of social odor awareness. *Chemical Senses*, 43(7), 505-513.

FIALOVÁ, J., SOROKOWSKA, A., KUBICOVÁ, L., ROBERTS, S. C. & HAVLÍČEK, J. (2018) Human body odour composites are not more attractive than the individual samples. *i-Perception*, 9(3).

MARTINEC NOVÁKOVÁ, L., FIALOVÁ, J. & HAVLÍČEK, J. (2018) Effects of diversity in olfactory environment on children's sense of smell. *Scientific Reports*, 8(1),2937.

MARTINEC NOVÁKOVÁ, L., FIALOVÁ, J. & HAVLÍČEK, J. (2017) Development of children's olfactory abilities and odor awareness is not predicted by temperament: a longitudinal study. *Chemosensory Perception*, 11(2), 59-71.

SOROKOWSKA A., SOROKOWSKI, P., HILPERT, P., CANTARERO, K., FRACKOWIAK, T., AHMADI, K., ALGHRAIBEH, A. M., ARYEETAY, R., BERTONI, A., BETTACHE, K., BLUMEN, S., BŁAŻEJEWSKA, M., BORTOLINI, T., BUTOVSKAYA, M., CASTRO, F. N., CENTIKAYA, H., CUNHA, D., DAVID, D., DAVID, O. A., DILEYM, F. A., DEL CARMEN, A., ESPINOSA, D., DONATO, S., DRONOVÁ, D., DURAL, S., FIALOVÁ, J., ... (2017). Preferred interpersonal distance: a global comparative analysis. *Journal of Cross-Cultural Psychology*, 48(4), 577-592.

SOBOTKOVÁ, M., FIALOVÁ, J., ROBERTS, S. C. & HAVLÍČEK, J. (2017) Effect of biological relatedness on perfume selection: preliminary evidence. *Perception*. 46, 498-515.

HAVLÍČEK, J., TŘEBICKÝ, V., VALENTOVA, J. V., KLEISNER, K., AKOKO, R. M., FIALOVÁ, J., JASH, R., KOČNAR, T., PEREIRA, K. J., ŠTĚRBOVÁ, Z., VARELLA, M. A., VOKURKOVÁ, J., VUNAN, E., & ROBERTS, S. C. (2017) Men's preferences for women's breast size and shape in four cultures. *Evolution and Human Behavior*. 38, 217-226.

TŘEBICKÝ, V., FIALOVÁ, J., KLEISNER, K., & HAVLÍČEK, J. (2016) Focal length affects depicted shape and perception of facial images. *PLoS One*. 11: e0149313.

FIALOVÁ, J., ROBERTS, S.C., & HAVLÍČEK, J. (2016). Consumption of garlic has positive effect on axillary body odor. *Appetite*, 97, 8-15.

TŘEBICKÝ, V., FIALOVÁ, J., KLEISNER, K., ROBERTS, S. C., LITTLE, A. C., & HAVLÍČEK, J. (2015). Further evidence for links between facial width-to-height ratio and fighting success: Commentary on Zilioli et al. (2014). *Aggressive Behavior*, 41(4). doi:10.1002/ab.21559

FIALOVÁ, J. & HAVLÍČEK, J. (2013). Perception of emotion-related odours in humans. *Anthropologie*. 50(1), 95-110.

#### **Academic Honours and Awards**

2020 - The Professor Jan Strzałko Award for outstanding young scientist (Polish Society for Human and Evolution Studies)

#### **Research stays**

11/2015: Field research, University of São Paulo, Brazil

10/2014 - 2/2015: Visiting researcher at the University of Stirling, UK