
Pfaus, James G.

Structured CV PFAUS, James G.

Research Interests

Neurochemistry and neuroanatomy of sexual arousal, desire, orgasm, and inhibition
Conditioning and sexual behaviour
Sexual dysfunctions
Paraphilias

Employment History

2022 – present: Director of Research Division and senior researcher, Center for Sexual Health and Interventions, Národní ústav duševního zdraví (NUDZ), Klecany.
2021 – present: Assistant professor and researcher, Department of Psychology and Life Sciences, FHS UK, Praha.
2019 – 2021: Visiting professor and researcher, Instituto de Investigaciones Cerebrales, Universidad Veracruzana, Xalapa, VER México.
1992 – 2018: Professor of Neuroscience and Psychology, Center for Studies in Behavioral Neurobiology, Department of Psychology, Concordia University, Montréal, QC, Canada.

Selected grant projects (2013-2023)

Cognitive models of sexual reward and arousal.

Nositel: Université du Québec en Outaouais; Poskytovatel: Canadian Institutes of Health Research; Project Grant 162264. 01.04.2019 – 31.03.2025 (co- investigator). \$688,500 CAD.

Dose-response effects of pimavanserin on long-term fluoxetine.

Nositel: Concordia University; Poskytovatel: Acadia Pharmaceuticals; ID projektu: Acadia Pharmaceutical Research Contract. 01.06.2017 – 31.05.2018 (investigator). \$75,000 USD

Neural and behavioral consequences of acute bremelanotide (BMT).

Nositel: Concordia University; Poskytovatel: Palatin Technologies; ID projektu: Palatin Technologies Research Contract. 01.06.2016 – 31.03.2019 (investigator). \$68,418.77 USD.

Neuroanatomy and neurochemistry of sexual behaviour (renewal).

Nositel: Concordia University; Poskytovatel: Natural Sciences and Engineering Research Council of Canada; ID projektu: OGP-138878. 01.04.2012 – 31.03.2019 (investigator). \$675,000 CAD

Neural and behavioral mechanisms of conditioned sexual excitation and inhibition.

Nositel: Concordia University; Poskytovatel: Canadian Institutes of Health Research; ID projektu: MOP-111254. 01.04.2011 – 31.03.2018 (investigator). \$668,765 CAD.

Selected publications (2013-2023)

2023

PFAUS, JG. (2023) The cancer of Cancel Culture: Spreading “correct” scientific ideologies across North American academia, Archives of Sexual Behavior, 52:1, 43-47. DOI: 10.1007/s10508-022-02452-y.

PFAUS, JG. (2023) Neuroelectrical activity and sexual stimulation: Deconstructing a Tower of Babel, Archives of Sexual Behavior, 52:2, 603-606. DOI: 10.1007/s10508-021-02001-z.

PFAUS, JG., SAFRON, A., & ZAKRESKI, E. (2023). From distal to proximal to interactive: behavioral and brain synchrony during attraction, courtship, and sexual interaction – implications for clinical assessments of relationship style and quality, Sexual Medicine Reviews, 11:4, 312-322. DOI:

MEUER-BAHLBURG, HFL., LOWREY, K., HOOVEN, CK, & PFAUS, JG. (2023) A Response to the Commentary by Sterling et al. (Political Views, Not Science: A Response to the Recent “Cancel Culture” Special Section), Archives of Sexual Behavior, 52:8, 3189-3191.

DOI: 10.1007/s10508-023-02705-4.

LUNA-HERNÁNDEZ, A., GARCÍA-JUÁREZ, M., PALAFOX-MORENOA, J., TÉLLEZ-ANGUOLA, B., DOMÍNGUEZ-ORDÓÑEZ, R., PFAUS, JG., & GONZÁLEZ-FLORES, O. (2023) Participation of the nitric oxide (NO) pathway in lordosis induced by Apelin-13 in female rats, Hormones and Behavior, 156, 105449. DOI: 10.1016/j.yhbeh.2023.105449.

PALLIKARAS, V., MAC CIONNAITH, CE., FERNANDEZ-ROSALES, VC., ARVANITOGIANNIS, A., & PFAUS, JG. (2023) Reciprocal effects of single or repeated exposure to methylphenidate or sex in adult male rats, Psychopharmacology, 240:1, 227-237.

DOI: 10.1007/s00213-022-06300-8.

2022

PFAUS, JG. (2022) Politics of sexual desire, *Current Sexual Health Reports*, 14:3, 71-81. DOI: 10.1007/s11930-022-00335-w

PFAUS, JG., & TSARSKI, K. (2022) A case of female orgasm without genital stimulation, *Sexual Medicine*, 10:2, 100496. DOI: 10.1016/j.esxm.2022.100496.

PFAUS, JG., SADIQ, A., SPANA, C., & CLAYTON, AH. (2022) The neurobiology of bremelanotide for the treatment of hypoactive sexual desire disorder in premenopausal women, *CNS Spectrums*, 27:3, 281-289. DOI: 10.1017/S109285292100002X.

CORIA-AVILA, GA., PFAUS, JG., ORIHUELA, A., DOMÍNGUEZ-OLIVA, A., JOSÉ-PÉREZ, N., HERNÁNDEZ, LA., & MOTA-ROJAS, D. (2022) The neurobiology of animal behavior and welfare: basic aspects, *Animals*, 12:7, 928. DOI: 10.3390/ani12070928.

GARCÍA-JUÁREZ, M., LUNA-HERNÁNDEZ, A., TAPIA-HERNÁNDEZ, S., MONTES-NAVAREZ, O., DOMÍNGUEZ-ORDÓÑEZ, R., PFAUS, JG., & GONZÁLEZ-FLORES, O. (2022) Apelin-13 facilitates lordosis behavior following infusions to the ventromedial hypothalamus or preoptic area in ovariectomized, estrogen-primed rats, *Neuroscience Letters*, 773, 136518. DOI: 10.1016/j.neulet.2022.136518.

GONZÁLEZ-FLORES, O., PFAUS, JG., LUNA-HERNÁNDEZ, A., DOMÍNGUEZ-ORDÓÑEZ, R., MONTES-NAVAREZ, O., TECAMACHALTZI-SILVERÁN, MB., & GARCÍA-JUÁREZ, M. (2022) Estradiol and progesterone-induced lordosis behavior is modulated by both the kisspeptin receptor and melanin-concentrating hormone in estradiol benzoate-primed rats, *Hormones and Behavior*, 146, 105257. DOI: 10.1016/j.yhbeh.2022.105257.

MÉNARD, S., GELEZ, H., CORIA-AVILA GA., & PFAUS, JG. (2022) Sexual experience increases oxytocin, but not vasopressin, receptor densities in the medial preoptic area, ventromedial hypothalamus, and central amygdala of male rats, *Psychoneuroendocrinology*, 146, 105900. DOI: 10.1016/j.psyneuen.2022.105900.

QUINTANA, GR., MAC CIONNAITH, CE., & PFAUS, JG. (2022) Behavioral, neural, and molecular mechanisms of conditioned mate preference: the role of opioids and first experiences of sexual reward, *International Journal of Molecular Science*, 23:16, 8928. DOI: 10.3390/ijms23168928.

WELLS, TJ., KREJČOVÁ, L., BINTER J., PFAUS, JG., & HORSLEY, RR. (2022) No significant effect of frequent online sexual behavior on Pavlovian-to-Instrumental Transfer (PIT): Implications for Compulsive Sexual Behaviour Disorder, *PLoS One*, 17:9, e0274913.

DOI: 10.1371/journal.pone.0274913.

2021

PFAUS, JG. (2021) TRPC2: A pheromonal funnel into same sex sexual behaviour, *Archives of Sexual Behavior*, 50:6, 2299-2300. DOI: 10.1007/s10508-020-01699-7.

PFAUS, JG. (2021). Testosterone and the brain, *AUA News*, 26, 41-43.

ANDROVIČOVÁ, R., PFAUS, JG., & OVSEPIAN, SV. (2021) Estrogen pendulum in schizophrenia and Alzheimer's disease: Review of therapeutic benefits and outstanding questions, *Neuroscience Letters*, 759, 136038. DOI: 10.1016/j.neulet.2021.136038.

DOMÍNGUEZ-ORDÓÑEZ, R., GARCÍA-JUÁREZ, M., TAPIA-HERNÁNDEZ, S., LUNA-HERNÁNDEZ, A., GALINDO MADRID, ME., TECAMACHALTZI-SILVERÁN, MB., PFAUS, JG., & GONZÁLEZ-FLORES, O. (2021) Oxytocin induces lordosis behavior in female rats through the prostaglandin E2/GnRH signaling system, *Hormones and Behavior*, 136, 105081. DOI: 10.1016/j.yhbeh.2021.105081.

GARCÍA-JUÁREZ, M., GÓMORA-ARRATI, P., DOMÍNGUEZ-ORDÓÑEZ, R., TECAMACHALTZI-SILVERÁN, MB., PFAUS, JG., & GONZÁLEZ-FLORES, O. (2021) Tibolone induces lordosis behavior, but not concurrent or sequential inhibition, in Sprague Dawley rats *Neuroscience Letters*, 755, 135916. DOI: 10.1016/j.neulet.2021.135916.

GOLDSTEIN, I., KOMISARUK, BR., PUKALL, CF., KIM, NN., GOLDSTEIN, AT., GOLDSTEIN, SW., HARTZELL-CUSHANICK, R., KELLOGG-SPADT, S., KIM, C., JACKOWICH, R., PARISH, SJ., PATTERSON, A., PETERS, K., & PFAUS, J.G. (2021) International Society for the Study of Women's Sexual Health (ISSWSH) review of epidemiology and pathophysiology, and a consensus nomenclature and process of care for the management of Persistent Genital Arousal Disorder/Genito-Pelvic Dysesthesia (PGAD/GPD) *Journal of Sexual Medicine*, 18:4, 665-697. DOI: 10.1016/j.jsxm.2021.01.172.

GONZÁLEZ CATUELA, BV., QUINTANA, GR., ACKERMAN, J., & PFAUS, JG. (2021) Acute caffeine reverses the disruptive effects of chronic fluoxetine on the sexual behavior of female and male rats, *Psychopharmacology*, 238:3, 755-764. DOI: 10.1007/s00213-020-05728-0.

HÖHLE, D., VAN ROOIJ, K., BLOEMERS, J., PFAUS, JG., MICHIELS, F., JANSSEN, P., CLAASSEN, E., TUITEN, AA. (2021) A survival of the fittest strategy for the selection of genotypes by which drug responders and non-responders can be predicted in small groups, *PLoS One*, 16:3, e0246828. DOI: 10.1371/journal.pone.0246828.

LYNN, B., GRABENHORST, C., KOMISARUK, BR., GOLDSTEIN I., & PFAUS JG. (2021) The use of pramipexole to treat persistent genital arousal disorder (PGAD): A case report, *Sexual Medicine*, 9:4, 100372. DOI: 10.1016/j.esxm.2021.100372.

NOLET, K., EMOND, FC., PFAUS, JG., GAGNON, J., & ROULEAU, J-L. (2021) Sexual attentional bias in young adult heterosexual men: attention allocation following self-regulation. *Archives of Sexual Behavior*, 50:6, 2531-2542. DOI: 10.1007/s10508-021-01928-7.

RAMÍREZ-RODRÍGUEZ, R., LEÓN-SEQUEDA, I., SALOMÓN-LARA, L., PERUSQUIA-CABRERA, D., HERRERA-COVARRUBIAS, D., FERNÁNDEZ-CAÑEDO, L., GARCÍA, LI., MANZO, J., PFAUS, JG., LÓPEZ-MERAZ, M-L., &

CORIA-AVILA, GA. (2021) Enhanced D2 agonism induces conditioned appetitive sexual responses toward non-reproductive conspecifics, *Archives of Sexual Behavior*, 50:8, 3901-3912. DOI: 10.1007/s10508-021-02023-7.

2020

PFAUS, JG., QUINTANA, GR., MAC CIONNAITH, CE., GERSON, CA., DUBÉ, D., & CORIA-AVILA, CA. (2020) Conditioning of sexual interests and paraphilias in humans is difficult to see, virtually impossible to test, and probably exactly how it happens: A comment on Hsu and Bailey (2019), *Archives of Sexual Behavior*, 49:5, 1403-1407. DOI: 10.1007/s10508-020-01739-2.

GARCÍA-JUÁREZ, M., MONTES-NARVÁEZA, O., LIMA-HERNÁNDEZ, FJ., PFAUS, J.G., & GONZÁLEZ-FLORES, O. (2020) Tibolone facilitates lordosis behavior through estrogen, progesterin, and GnRH-1 receptors in estrogen-primed rats, *Neuroscience Letters*, 736, 135299. DOI: 10.1016/j.neulet.2020.135299.

LYNN, B., GEE, A., ZHANG, L., & PFAUS, JG. (2020) Effects of cannabinoids on female sexual function, *Sexual Medicine Reviews*, 8:1, 18-27. DOI: 10.1016/j.sxmr.2019.07.004.

MAC CIONNAITH, CE., LEMAY, A., GOMEZ-PERALES, EL., ROBERT, G., CERNIK, R., BRAKE, W., & PFAUS, JG. (2020) Fos expression is increased in oxytocin neurons of female rats with a sexually conditioned mate preference for an individual male rat, *Hormones and Behavior*, 117, 104612. DOI: 10.1016/j.yhbeh.2019.104612.

MASEROLI, E., SANTANGELO, A., LARA-FONTES, B., QUINTANA, GR., MAC CIONNAITH, CE., CASARRUBIA, M., RICCA, V., MAGGI, M., VIGNOZZI, L., & PFAUS, JG. (2020) The non-aromatizable androgen dihydrotestosterone (DHT) facilitates sexual behavior in ovariectomized female rats primed with estradiol. *Psychoneuroendocrinology*, 115, 104616. DOI: 10.1016/j.psyneuen.2020.104606.

MÉNARD, S., GELEZ, H., JACUBOVICH, M., CORIA-AVILA, GA., & PFAUS, JG. (2020) Appetitive olfactory conditioning in the neonatal male rat facilitates subsequent sexual partner preference, *Psychoneuroendocrinology*, 121, 104858. DOI: 10.1016/j.psyneuen.2020.104858.

2019

PFAUS, JG. (2019) From genital sensations to perturbed ejaculations: Reflections on the passions of Prof. Dr. Marcel D. Waldinger, *Journal of Sexual Medicine*, 16:9, 1319-1321. DOI: 10.1016/j.jsxm.2019.06.007

GERSON, CA., MAC CIONNAITH, CE., QUINTANA, GR., & PFAUS, JG. (2019) Effects of ovarian hormones on the emission of 50-kHz ultrasonic vocalizations during distributed clitoral stimulation in the rat, *Hormones and Behavior*, 109, 1-9. DOI: 10.1016/j.yhbeh.2019.01.005.

GOLDSTEIN, I., ALTHOF, SE., MCMAHON, CG., VAN ROOIJ, K., JANSSEN, P., TUITEN, A., PFAUS, JG., GIRALDI, A. (2019) Marcel D. Waldinger January 17, 1955-May 1, 2019, *Sexual Medicine Reviews*, 7:3, 377-379. DOI: 10.1016/j.sxmr.2019.05.004

JONES, SL., ROSENBAUM, S., GARDNER GREGORY, J., & PFAUS, JG. (2019). Aromatization is not required for the facilitation of appetitive sexual behaviors in ovariectomized rats treated with estradiol and testosterone, *Frontiers in Neuroscience*, 13, 798-811. DOI: 10.3389/fnins.2019.00798.

MÉNARD, S., GELEZ, H., GIRARD-BÉRIAULT, F., CORIA-AVILA, GA., & PFAUS, JG. (2019) Differential role of oxytocin and vasopressin in the conditioned ejaculatory preference of the male rat, *Physiology & Behavior*, 208, 112577. DOI: 10.1016/j.physbeh.2019.112577.

QUINTANA, GR., MAC CIONNAITH, CE., & PFAUS, JG. (2019) Behavior is the ultimate arbiter: An alternative explanation for the effect of fluoxetine on the ovulatory homologue model of orgasm, *Proceedings of the National Academy of Sciences USA*, 116:51, 25382-25383. DOI: 10.1073/pnas.1917908116.

QUINTANA, GR., DESBIENS, S., MARCEAU, S., KALANTARI, N., BOWDEN, J., & PFAUS, JG. (2019). Conditioned partner preference in male and female rats for a somatosensory cue, *Behavioral Neuroscience*, 133:2, 188-197. DOI: 10.1037/bne0000300.

QUINTANA, GR., GONZÁLEZ, B., BORDUAS, E., LEMAY, V., YARUR, F., & PFAUS, JG. (2019) Naloxone disrupts the development of a conditioned ejaculatory preference based on a somatosensory cue in male rats, *Behavioral Neuroscience*, 133:2, 198-202. DOI: 10.1037/bne0000302.

QUINTANA, GR., BIRREL, M., MARCEAU, S., KALANTARI, N., BOWDEN, J., BACHOURA, Y., BORDUAS, E., LEMAY, V., MAC CIONNAITH, CE., & PFAUS, JG. (2019) Differential disruption of conditioned ejaculatory preference in the male rat based on different sensory modalities by micro-infusions of naloxone to the medial preoptic area or ventral tegmental area, *Psychopharmacology*, 236:12, 3613-3623. DOI: 10.1007/s00213-019-05334-9.

ZAVORSKY, GS., VOYOUKAS, E., & PFAUS, JG. (2019) Sexual activity the night before exercise does not affect various measures of physical exercise performance, *Sexual Medicine*, 7:2, 235-240. DOI: 10.1016/j.esxm.2018.12.002.

2018

CORIA-AVILA, GA., CIBRIAN-LLANDERL, T., DÍAZ-ESTRADA, VX., GARCÍA, LI., TOLEDO-CÁRDENAS, R., PFAUS, JG., & MANZO, J. (2018) Brain activation associated to olfactory conditioned same-sex partner preference in male rats, *Hormones and Behavior*, 99, 50-56. DOI:

HOLLEY, A., JOULAKIAN, L., WENZEL, K., ROORDA, JR. S., GONZALEZ, B., SPARKS, L., & PFAUS, JG. (2018). Inhibition of lysine-specific demethylase enzyme disrupts sexually conditioned mate guarding in the female rat. *Physiology & Behavior*, 196, 78-83. DOI: 10.1016/j.physbeh.2018.08.005.

HYLAND, L., ROSENBAUM, S., EDWARDS, A., PALACIOS, D., GRAHAM, MD., PFAUS, JG., WOODSIDE, B., & ABIZAID, A. (2018). Central ghrelin receptor stimulation modulates sex motivation in male rats in a site dependent manner, *Hormones and Behavior*, 97, 56-66. DOI: 10.1016/j.yhbeh.2017.10.012.

- QUINTANA, GR., GUIZAR, A., RASSI, S., & PFAUS, JG. (2018) First sexual experiences determine the development of conditioned ejaculatory preference in male rats, *Learning and Memory*, 25:10, 513-521. DOI: 10.1101/lm.048090.118.
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- PRAUSE, N., JANSSEN, E., GEORGIADIS, J., FINN, P., & PFAUS, JG. (2017) Data do not support sex as addictive, *Lancet Psychiatry*, 4:12, 899. DOI: 10.1016/S2215-0366(17)30441-8.
- 2016
- PFAUS, JG., QUINTANA, GR., MAC CIONNAITH, CE., PARADA, M. (2016) The whole versus the sum of some of the parts: toward resolving the apparent controversy of clitoral versus vaginal orgasms, *Socioaffective Neuroscience and Psychology*, 6, 32578. DOI: 10.3402/snp.v6.32578.
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- CORIA-AVILA, GA., HERRERA-COVARRUBIAS, D., ISMAIL, N., & PFAUS, JG. (2016) The role of orgasm in the development and shaping of partner preferences, *Socioaffective Neuroscience and Psychology*, 6, 31815. DOI: 10.3402/snp.v6.31815.
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- 2015
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Selected publications – books (2013-2023)

PFAUS, JG., CORIA-AVILA, GA., & RODRÍGUEZ-MANZO, G. (2023) Translational animal models for sexual health, In Caba, M.S., Manzo-Denes, J., & Komisaruk, B.R. (Eds), From Animal Models to Humans: Translational Research Toward Human Health (Pp 143-195). Xalapa, VER: Universidad Veracruzana Press.

REISMAN, Y., PFAUS, JG., & LOWENSTEIN, L. (2022) Post-SSRI Sexual Dysfunction (PSSD), In Reisman, Y, Lowenstein L, Tripodi, F (Eds), Textbook of rare sexual medicine conditions (Pp 51-63). Cham, Switzerland: Springer Nature.

PFAUS, J., & JONES, SL. (2018). Sexual desire and desire disorders, In Goldstein, I., Clayton, A.H., Goldstein, A.T., Kim, N.N., & Kingsberg, S.A. (Eds.) Textbook of female sexual function and dysfunction: Diagnosis and treatment. New York: Wiley.

PFAUS, JG. (2017) Management of Hypoactive Sexual Desire Disorder in Women: Awareness & Treatments (Chapter 3, HSDD Treatments). The Medical Xchange, <https://themedicalxchange.com/en/page/18/>.

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PFAUS, JG., JONES, SL., FLANAGAN-CATO, LM, & BLAUSTEIN, JD. (2015) Chapter 50: Female sexual behavior, In Plant, A.M., Zeleznik, A.J. (Eds.), Knobil & Neill's Physiology of Reproduction, Fourth Edition, (Pp. 2287-2370). New York: Elsevier.

PFAUS, JG., SCEPKOWSKI, LA., MARSON, L., & GEORGIADIS, J. (2014) Biology of the sexual response, In Tolman, D.L., & Diamond, L.M. (Eds.), APA Handbook of Sexuality and Psychology (Pp. 143-203). Washington DC: APA Press.

Academic Honours and Awards (2013-2023)

Josef Hynie Prize, Division of Sexology, Czech Medical Association, 2023

First Annual John Money Lectureship, World Association for Sexual Health (WAS), 2017

President, International Academy of Sex Research, 2016-2017

Distinguished Scientific Achievement Award, Society for the Scientific Study of Sexuality, 2014

Concordia Media Outreach Award -- Research Communicator (International), 2013

Concordia University Research Fellow, 2013-2018

Fellow, International Society for the Study of Women's Sexual Health, 2011 – present

Research stays (2013-2023)

2013 (01.05.2013- 31.06.2013): Visiting Professor, Instituto de Neuroethología, Universidad Veracruzana, Xalapa, VER, Mexico.