ANDREA SGOIFO

PERSONAL DATA
- Born in Udine, 3 August 1962
- Married with 3 daughters

PRESENT APPOINTMENT
- Associate Professor of Physiology, Department of Neuroscience, University of Parma (since 2005).
- Full professorship qualification received from MIUR, January 2014

ACADEMIC QUALIFICATIONS AND PREVIOUS APPOINTMENTS
- MS in Biological Sciences (Univ. of Parma, 110/110 cum laude, 1987).
- PhD in Cardiovascular Pathophysiology (Univ. of Milano, 1994).
- Post-doc grant, Behavioral Physiology (Univ. of Groningen, NL, 1996-98).
- Assistant professor, Univ. of Parma (1998-2005).

PRESENT TEACHING
- General Physiology 2, Bachelor degree in Biology, University of Parma (6 credits)
- Psychobiology, Master degree in Biology & Biomedical Applications, University of Parma (6 credits)
- Stress Psychobiology, Master degree in Psychobiology & Cognitive Neuroscience, University of Parma (8 credits)

INVITED SCIENTIST

University of Newcastle (Australia), School of Biomedical Sciences and Pharmacy, December 2013 – January 2014.
University of Sao Paulo (Brasil), School of Pharmaceutical Sciences, June-July 2017.

VISITING PROFESSOR

- University of Lille (France, March 2003: lessons on “Stress Physiology”);
- University of Groningen (NL, December 2004, December 2006, July 2015: lessons on “Stress and autonomic Physiology”);
- University of Valencia (Spain, May 2003, July 2005, July 2006, July 2007, July 2008, May 2011: lessons on “Stress Neuroendocrinology”);
- University of Amsterdam (NL, September 2007: lessons on “Behavioral Neuroscience”);
- University of Milano (June and December 2007, December 2008, April 2010, October 2011, November 2012, October 2013: lessons on "Stress Physiology");
- University of Bologna (September 2008: lessons on "Stress Physiology");
- University of Regensburg (GER, November 2010: lessons on "Stress and cardiovascular function");
- University of Lausanne-EPFL (Swi, March 2011: lessons on "Stress and the heart")
- University Pierre & Marie Curie – Paris (FR, April 2013 and September 2016: lessons on “Stress and the heart”)
- Humanitas Clinical Institute, International Medical School – Milano (IT, May 2013: lessons on “Stress physiology and pathophysiology”)
- University of Newcastle (AUS, December 2013 – January 2014: lessons on “Stress Physiology”)
- University of Sydney (AUS, December 2013; lessons on “Autonomic Stress Physiology”)
- University of Ulm (GER, April 2016; lessons on “Stress and the autonomic nervous system”)

SCIENTIFIC AWARDS

- Presentation Award (1st prize), 8th Meeting of the International Society for Research on Aggression (Swansea, UK, 88);
- L. Bertocchi Prize" for the best MS thesis of Parma University in Animal Behavior Sciences (Parma, Italy, 89);
- Diploma for Excellent Scientific Presentation, XVII Meeting of the International Society for Heart Research (Bologna, Italy, 96);
- Best poster presentation, International Congress on "Depression: brain causes, body consequences" (London, UK, 2007).

EDITORIAL BOARD MEMBER of 19 international scientific journals:
- Neuroscience & Biobehavioral Reviews (since 2014)
- Scientific Reports (since 2016)
- Frontiers in Integrative Physiology (since 2011)
- Frontiers in Neurology, Neuroscience, Pharmacology and Psychiatry (since 2016)
- Stress. The International Journal on the Biology of Stress (since 2011)
- Physiology & Behavior (since 2008)
- Heart & Mind (since 2016)
- PLoS One (since 2014, also academic editor)
- The Scientific Pages of Depression and Anxiety (since 2017)
- Frontiers in Cardiovascular Medicine (since 2014)
- Journal of Respiratory Research (since 2015)
- Jacobs Journal of Physiology (since 2014)
- Open Journal of Psychiatry (2011-2012)
- ISRN Cardiology (since 2011)
- International Journal of Psychol. Res. & Therapeutics (since 2014)
- SM Journal of Depression Research & Treatment (since 2015)
- International Journal of Psychology & Behavior Analysis (since 2016)
- Anales de Psicologia (since 2011)
- Dataset Papers in Science (Neuroscience) (since 2012)

REFEREE for 30 international scientific journals:
- Neuroscience & Biobehavioral Reviews
- American Journal of Physiology
- Psychoneuroendocrinology
- Hormones & Behavior
- Stress.The international Journal on the biology of stress
- Physiology and Behavior
- Psychosomatic Medicine
- Journal of Applied Physiology
- Frontiers in Integrative Physiology
- Comprehensive Physiology
- PLoS One
- Journal of Human Hypertension
- Frontiers in Behavioral Neuroscience
- European Journal of Neuroscience
- Frontiers in Psychology
- Psychopharmacology
- Biological Psychology
- Neuropsychobiology
- Life Sciences

- Brazilian J. of Medical and Biological Research
- Health Psychology
- Laboratory Animals
- Aggressive Behavior
- Pediatric Research
- Journal of Psychosomatic Research
- Animal Behavior
- Anales de Psicologia
- ISRN Cardiology
- Open Journal of Psychiatry
- Journal of Police & Criminal Psychology

REFEREE FOR RESEARCH FUNDING AGENCIES

- Italian Space Agency (ASI) - Reviewer of a research grant proposal (2000)
- Nederlandse Organisatie voor Wetenschappelijk (NWO, NL) Earth & Life Sciences Reviewer of a research grant proposal (2002)
- Agence Nationale de la Recherche (ANR, FR) Blue Sky Programme Reviewer of a research grant proposal (2011)
- MIUR Future in Research 2012 - Reviewer of a research grant proposal (2012)
- MIUR Research product evaluation - VQR 2004-2010 (2012)
- Deutsche Forschungsgemeinschaft (German Research Foundation) - Reviewer of a research grant proposal (2016)

CHIEF EDITOR of 5 special issues of international scientific journals:

- "Social Stress: acute and long-term effects on physiology and behavior", Physiology and Behavior vol.73-3, 2001
- "Social Stress", Stress-The International Journal on the Biology of Stress, vol.5-1, 2002
- "Individual differences in behavior and physiology: causes and consequences", Neuroscience and Biobehavioral Reviews, vol.29-1, 2005
- "The inevitable link between heart and behavior: new insights from biomedical research and implications for clinical practice", Neuroscience and Biobehavioral Reviews, vol.33-2, 2009
- "Stress, behavior and the heart", Neuroscience and Biobehavioral Reviews, 2016, in press

PRESENT RESEARCH ACTIVITY

Research activity in the Stress Physiology Lab is mainly focused on the biological substrates of depression/anxiety and autonomic/cardiovascular dysfunction comorbidity. This topic is approached via preclinical research on animal models of depression (based on adverse social conditions) and anxiety (based on lines selectively bred). Proendocannabinoid pharmacological treatment (FAAH inhibition) is tested to verify its pevention/reversal potential over behavioral and physiological symptoms of anxiety/depression as well as over autonomic/cardiovascular dysfunction. Part of the lab research activity is also devoted to the evaluation of a number of chronic stress parameters in various human populations.

Ongoing collaborations: (a) Dept of Behavioral Physiology – Univ. Groningen (NL; profs. S. De Boer and P. Meerlo), (b) School of Biomedical Sciences & Pharmacy – Univ. Newcastle (AUS; prof. E. Nalivaiko), (c) Dept. of Neurobiology and Animal Physiology – Univ. Regensburg (GER; prof. I. Neumann), (d) Dept. of Psychology – NWU Chicago (USA; prof. A. Grippo), (e) Dept. of Pharmacy – Univ. of Parma (IT; profs. M. Mor and S. Rivara), (f) Dept. of Neuroscience – Univ. of Parma (IT; prof. P.F. Ferrari)

RESEARCH KEY WORDS

Stress, chronic social stress, biological stress markers, anxiety, depression, coping styles, social behavior, hypothalamic-pituitary-adrenocortical axis, sympathetic-adrenomedullary system, autonomic nervous system, heart rate variability, cardiovascular physiology and pathophysiology, arrhythmias, rodent model of empathy

SCIENTIFIC COUNSELLING

- For "Chiesi Pharmaceuticals", course for the personnel of the Laboratory of Pharmacokinetics on the technique for chronic cannulation of the jugular vein and blood sampling in the freely-moving rat (August 1997).
- For "European Food Safety Authority" (EFSA), member of the "External Reviewers Working Group" (October-November 2011, February 2012).

ARTICLES IN INTERNATIONAL PEER-REVIEWED JOURNALS

(Impact Factor 2015)

Present H index: 28; overall citations: 2866 (Scopus, Jan 2017)

78) Carnevali L, Montano N, Statello R, **Sgoifo A**. Rodent models of depression-cardiovascular comorbidity: Bridging the known to the new. **Neurosci Biobehav Rev**. 2017 Jan 16. pii: S0149-7634(16)30449-3. doi: 10.1016/j.neubiorev.2016.11.006. (i..f.: 8.58)

77) Rossi S, Buccarello A, Ershler PR, Lux RL, Callegari S, Corradi D, Carnevali L, **Sgoifo A**, Miragoli M, Musso E, Macchi E. Effect of anisotropy on ventricular vulnerability to unidirectional block and reentry by single

premature stimulation during normal sinus rhythm in rat heart. **Am J Physiol Heart Circ Physiol.** 2016 Dec 23:ajpheart.00366.2016. doi: 10.1152/ajpheart.00366.2016. (3.32)

76) Villada C, Espin L, Hidalgo V, Rubagotti S, **Sgoifo A**, Salvador A. The influence of coping strategies and behavior on the physiological response to social stress in women: The role of age and menstrual cycle phase. **Physiology & Behavior** 2017 Mar 1;170:37-46. doi: 10.1016/j.physbeh.2016.12.011. (2.46)

75) **Sgoifo A**, Montano N, Esler M, Vaccarino V. Stress, behavior and the heart. **Neurosci Biobehav Rev**. 2016 Nov 9. pii: S0149-7634(16)30669-8. doi: 10.1016/j.neubiorev.2016.11.003. (8.58)

74) Carnevali L, Andrews PL, Neumann ID, Nalivaiko E, **Sgoifo A**. Autonomic changes induced by provocative motion in rats bred for high (HAB) and low (LAB) anxiety-related behavior: Paradoxical responses in LAB animals. **Physiology & Behavior** 2016 Dec 1;167:363-373. doi: 10.1016/j.physbeh.2016.09.028. (2.46)

73) Statello R, Carnevali L, Paterlini S, Gioiosa L, Bertocchi I, Oberto A, Eva C, palanza P**, Sgoifo A**. Reduced NPY Y1 receptor hippocampal expression and signs of decreased vagal modulation of heart rate in mice. **Physiology & Behavior**, S0031-9384(16)30575-3, 2016 (2.46)

72) Carnevali L, Rivara S, Nalivaiko E, Thayer JF, Vacondio F, Mor M, **Sgoifo A.** Pharmacological inhibition of FAAH activity in rodents: A promising pharmacological approach for psychological – cardiac comorbidity? **Neuroscience & Biobehavioral Reviews**, S0149-7634(16)30031-8, 2016 (8.58)

71) Walker FR, Pfingst K, Carnevali L, **Sgoifo A,** Nalivaiko E. In the search for an integrative biomarker of resilience to psychological stress. **Neuroscience & Biobehavioral Reviews**, S0149-7634(15)30360-2, 2016 (8.58)

70) Carnevali L, Vacondio F, Rossi S, Macchi E, Spadoni G, Bedini A, Neumann ID, Rivara S, Mor M, **Sgoifo A**. Cardioprotective effects of fatty acid amide hydrolase inhibitor URB694, in a rodent model of trait anxiety. **Scientific Reports** 5:18218**,** 2015 (5.23)

69) Carnevali L, Vacondio F, Rossi S, Callegari S, Macchi E, Spadoni G, Bedini A, Rivara S, Mor M, **Sgoifo A**. Antidepressant-like activity and cardioprotective effects of fatty acid amide hydrolase inhibitor URB694 in socially stressed Wistar Kyoto rats. **European Neuropsychopharmacology** 25(11):2157-69, 2015 (4.41)

68) **Sgoifo A**, Carnevali L, Pico-Alfonso MA, Amore M. Autonomic dysfunction and heart rate variability in depression. **Stress-The International Journal on the Biology of Stress**, 25:1-10, 2015 (2,38)

67) Ponzi D, Muehlenbein PM**, Sgoifo A**, Geary DC, Flinn MV. Day-to-day variation of salivary cortisol and dehydroepiandrosterone (DHEA) in children from a rural Dominican community. **Adaptive Human Behavior and Physiology**, 1:4-16, 2014 (0)

66) Villada C, Hidalgo V, Almela M, Mastorci F, Sgoifo A, Salvador A. Coping with an acute psychosocial challenge: behavioral and physiological responses in young women. **PLoS ONE**, 9(12):e114640, 2014 (3.06)

65) Rossi S, Fortunati I, Carnevali L, Baruffi S, Mastorci F, Trombini M, Sgoifo A, Corradi D, Callegari S, Miragoli M, Macchi E. The effect of aging on the specialized conducting system: a telemetry ECG study in rats over a 6 month period. **PLoS ONE**, 9(11):e112697, 2014 (3.06)

64) Carnevali L, Nalivaiko E, Sgoifo A. Respiratory patterns reflect different levels of emotionality in wild type rats. **Respiratory Physiology & Neurobiology,** 204:28-35, 2014 (1.77)

63) Carnevali L, Sgoifo A. Vagal modulation of resting heart rate in rats: the role of stress, psychosocial factors, and physical exercise. **Frontiers in Physiology**, 5:118, 2014 (4.03)

62) Carnevali L, Graiani G, Rossi S, Al Banchaabouchi M, Macchi E, Quaini F, Rosenthal N, Sgoifo A. Signs of cardiac autonomic imbalance and proarrhythmic remodeling in FTO deficient mice. **PLoS ONE**, 9(4):e95499, 2014 (3.06)

61) Carnevali L, Trombini M, Graiani G, Madeddu D, Quaini F, Landgraf R, Neumann ID, Nalivaiko E, **Sgoifo A**. Low vagally-mediated heart rate variability and increased susceptibility to ventricular arrhythmias in rats bred for high anxiety. **Physiology & Behavior** 128:16-25, 2014 (2,46)

60) **Sgoifo A**, Carnevali L, Grippo AJ. The socially stressed heart. Insights from studies in rodents. **Neuroscience & Biobehavioral Reviews** 39:51-60, 2014 (8.58)

59) Carnevali L, Trombini M, Porta A, Montano N, de Boer SF, **Sgoifo A**. Vagal withdrawal and susceptibility to cardiac arrhythmias in rats with high trait aggressiveness**. PLoS One** 8(7):e68316, 2013 (3.06)

58) Carnevali L, **Sgoifo A**, Trombini M, Landgraf R, Neumann ID, Nalivaiko E. Different patterns of respiration in rat lines selectively bred for high or low anxiety. **PLoS One** 2013, 8(5):e64519 (3.06)

57) Carnevali L, Trombini M, Rossi S, Graiani G, Manghi M, Koolhaas JM, Quaini F, Macchi E, Nalivaiko E, **Sgoifo A**. Structural and electrical myocardial remodeling in a rodent model of depression. **Psychosomatic Medicine,** 75(1):42-51, 2013 (3.64)
56) Carnevali L, Mastorci F, Audero E, Graiani G, Rossi S, Macchi E, Callegari S, Bartolomucci A, Nalivaiko E, Quaini F, Gross C, **Sgoifo A.** Stress-induced susceptibility to sudden cardiac death in mice with altered serotonin homeostasis. **PLoS One,** 7(7):e41184, 2012 (3.06)
55) Grippo A, Moffitt JA, **Sgoifo A**, Jepson AJ, Bates SL, Chandler DL, McNeal N, Preihs K. The integration of depressive behaviors and cardiac dysfunction during an operational measure of depression: investigating the role of negative social experiences using an animal model. **Psychosomatic Medicine**, 74:612-619, 2012 (3.64)
54) Carnevali L, Mastorci F, Graiani G, Razzoli M, Trombini M, Pico-Alfonso MA, Arban R, Grippo AJ, Quaini F, **Sgoifo A.** Social defeat and isolation induce clear signs of a depression-like state, but modest cardiac alterations in wild-type rats. **Physiology & Behavior**, 162:142-150, 2012 (2.46)
53) Trombini M, Hulshof H, Graiani G, Carnevali L, Meerlo P, Quaini F, **Sgoifo A**. Early maternal separation has mild effects on cardiac autonomic balance and heart structure in adult male rats. **Stress-The International Journal on the Biology of Stress**, 15:457-470, 2012 (2,38)
52) Carnevali L, Bondarenko E, **Sgoifo A**, Walker FR, Head GA, Lukoshkova EV, Day TA, Nalivaiko E. Metyrapone and fluoxetine suppress enduring behavioral but not cardiac effects of sub-chronic stress in rats. **American Journal of Physiology (Reg., Integr. & Comp.),** 301(4):R1123-R1131, 2011 (3.17)
51) Koolhaas JM, Bartolomucci A, Buwalda B, de Boer S, Flügge G, Korte S.M, Meerlo P, Murison R, Olivier B, Palanza P, Richter-Levin G, **Sgoifo A**, Steimer T, Stiedl O, van Dijk G, Wöhr M, Fuchs E. Stress revisited: a critical evaluation of the stress concept. **Neuroscience & Biobehavioral Reviews** 35:1291-1301, 2011 (8.58)
50) Hulshof HJ, Novati A, **Sgoifo A,** Luiten PG, den Boer JA, Meerlo P. Maternal separation decreases adult hippocampal cell proliferation and impairs cognitive performance but has little effect on stress sensitivity and anxiety in adult Wistar rats. **Behavioral Brain Research** 216:552-560, 2011 (3.00)
49) Kabir MM., Beig MI., Baumert M, Trombini M., Mastorci F., **Sgoifo A**., Walker FR., Day TA., Nalivaiko E. Respiratory pattern in awake rats: relations to motor activity and effects of alerting stimuli. **Physiology & Behavior** 101:22-31, 2010 (2,46)
48) Grippo A., **Sgoifo A**., Mastorci F., McNeal N., Trahanas D.M. Cardiac dysfunction and hypothalamic activation during a social crowding stressor in prairie voles. **Autonomic Neuroscience** 156:44-50, 2010 (1,62)
47) Kratsios P, Huth M, Temmerman L, Salimova E, Al Banchaabouchi M, **Sgoifo A**, Manghi M, Suzuki K, Rosenthal N, Mourkioti F. Antioxidant amelioration of dilated cardiomyopathy caused by conditional deletion of NEMO/IKK in cardiomyocytes. **Circulation Research**, 106:133-144, 2010 (11.55)
46) Nalivaiko E., Mastorci F., **Sgoifo A**. 8-OH-DPAT prevents cardiac arrhythmias and attenuates tachycardia during social stress in rats. **Physiology & Behavior**, 96:320-327, 2009 (2,46)
45) **Sgoifo A.,** Montano N., Shively C., Thayer J., Steptoe A. The inevitable link between heart and behavior: new insights from biomedical research and implications for clinical practice. **Neuroscience & Biobehavioral Reviews,** 33:61-62, 2009 (8.58)
44) Mastorci F., Vicentini M., Viltart O., Manghi M., Graiani G., Quaini F., Meerlo P., Nalivaiko E., Maccari S., **Sgoifo A.** Long-term effects of prenatal stress: changes in adult cardiovascular regulation and sensitivity to stress. **Neuroscience & Biobehavioral Reviews,** 33:191-203, 2009 (8.58)
43) Nalivaiko E., **Sgoifo A**. Central 5-HT receptors in cardiovascular control during stress. **Neuroscience & Biobehavioral Reviews,** 33:95-106, 2009 (8.58)
42) Rossi S., Baruffi S., Bertuzzi A., Miragoli M., Corradi D., Maestri R., Alinovi R., Mutti A., Musso E., Sgoifo A., R., Fenici R., Macchi E. Ventricular activation is impaired in aged rat hearts. **American Journal of Physiology (Heart & Circul.),** 295:H2336-H2343, 2008 (3.32)
41) Meerlo P., **Sgoifo A.,** Suchecki D. Restricted and disrupted sleep: effects on autonomic function, neuroendocrine stress systems and stress responsivity. **Sleep Medicine Reviews**, 12:197-210, 2008 (7.34)
40) Rossi S., Baruffi S., Bertuzzi A., Mastorci F., **Sgoifo A.,** Musso E., Corradi D., Maestri R., Brisinda D., Fenici R., Macchi E. Susceptibility to ventricular arrhythmias in aged hearts. **Conf Proc IEEE Eng Med Biol Soc**., 1:410-414, 2007 (0)

39) Pico Alfonso M.A., Mastorci F., Ceresini G., Ceda G., Manghi M., Pino O., Troisi A., **Sgoifo A**. Acute psychosocial challenge and cardiac autonomic response in women: the role of estrogens, corticosteroids, and behavioral coping styles. **Psychoneuroendocrinology**, 32:451-463, 2007 (4.70)
38) van der Borght K., Ferrari F., Klauke K., Roman V., Havekes R., **Sgoifo A.,** van der Zee E., Meerlo P. Hippocampal cell proliferation across the day: increase by running wheel activity, but no effect of sleep and wakefulness. **Behavioral Brain Research**, 167:36-41, 2006 (3.00)
37) **Sgoifo A**., Buwalda B., Roos M., Costoli T., Merati G., Meerlo P. Effects of sleep deprivation on cardiac autonomic and pituitary-adrenocortical stress reactivity in rats. **Psychoneuroendocrinology**, 31:197-208, 2006 (4.70)
36) Costoli T., **Sgoifo A**., Stilli D., Flugge G., Laviola G., Adriani W., Fuchs E., Pedrazzini T., Musso E.. Behavioral, neural, and cardiovascular adaptations in mice lacking the NPY-Y1 receptor. **Neuroscience & Biobehavioral Reviews,** 29:113-123, 2005 (8.58)
35) **Sgoifo A.,** Costoli T., Meerlo P., Buwalda B., Pico' Alfonso M.A., De Boer S.F., Musso E., Koolhaas J.M. Individual differences in cardiovascular response to social challenge in rats. **Neuroscience & Biobehavioral Reviews,** 29:59-66, 2005 (8.58)
34) Bartolomucci A., Palanza P., Sacerdote P., Panerai A.E., **Sgoifo A**., Dantzer R., Parmigiani S. Social factors and individual vulnerability to chronic stress exposure. **Neuroscience & Biobehavioral Reviews,** 29:67-81, 2005 (8.58)
33) **Sgoifo A**., Coe C., Parmigiani S., Koolhaas JM. Individual differences in behavior and physiology: causes and consequences **Neuroscience & Biobehavioral Reviews,** 29:1-2, 2005 (8.58)
32) Stilli D., Berni R., Bocchi L., Zaniboni M., Cacciani F., **Sgoifo A**., Musso E. Vulnerability to ventricular arrhythmias and heterogeneity of action potential duration in normal rats. **Experimental Physiology**, 89:387-396, 2004 (2.82)
31) Costoli T., Bartolomucci A., Graiani G., Stilli D., Laviola G., **Sgoifo A.** Effects of chronic psychosocial stress on cardiac autonomic responsiveness and myocardial structure in mice. **American Journal of Physiology (Heart & Circul.)**, 286:H2133-2140, 2004 (3.32)
30) Bartolomucci A., Palanza P., Costoli T., Savani E., Laviola G., Parmigiani S., **Sgoifo A.** Chronic psychosocial stress persistently alters autonomic function and physical activity in mice. **Physiology & Behavior**, 80:57-67, 2003 (2,46)
29) **Sgoifo A**., Braglia F., Costoli T., Musso E., Meerlo P., Ceresini G., Troisi A. Cardiac autonomic reactivity and salivary cortisol in men and women exposed to social stressors: relationship with individual ethological profile. **Neuroscience & Biobehavioral Reviews**, 27:179-188, 2003 (8.58)
28) Meerlo P., **Sgoifo A**., Turek F.W. The effects of social defeat and other stressors on the expression of circadian rhythms. **Stress-The International Journal on the Biology of Stress** 5:15-22, 2002 (2,38)
27) **Sgoifo A**., Pozzato C., Meerlo P., Costoli T., Manghi M., Stilli D., Olivetti G., Musso E. Intermittent exposure to social defeat and open-field test in rats: acute and long-term effects on ECG, body temperature and physical activity. **Stress-The International Journal on the Biology of Stress** 5:23-35, 2002 (2,38)
26) **Sgoifo A**., Meerlo P. Animal models of social stress: implications for the study of stress related pathologies in humans. **Stress-The International Journal on the Biology of Stress** 5:1-2, 2002 (2.38)
25) **Sgoifo A**., Pozzato C., Costoli T., Manghi M., Stilli D., Ferrari P.F., Ceresini G., Musso E. Cardiac autonomic responses to intermittent social conflict in rats. **Physiology and Behavior** 73:343-349, 2001 (2.46)
24) **Sgoifo A.,** Koolhas JM, Alleva E., Musso E., Parmigiani S. Social stress: acute and long-term effects on physiology and behavior. **Physiology and Behavior** 73:253-254, 2001 (2.46)
23) Stilli D. Berni R., **Sgoifo A**., Costoli T., Bocchi L., Cacciani F., Manghi M., Olivetti G., Musso E. Social stress, myocardial damage and arrhythmias in rats with cardiac hypertrophy. **Physiology and Behavior** 73:351-358, 2001 (2.46)
22) Stilli D, **Sgoifo A**, Macchi E, Zaniboni M, De Iasio S , Cerbai E, Mugelli A, Lagrasta C, Olivetti G, Musso E. Myocardial remodeling and arrhythmogenesis in moderate cardiac hypertrophy in rats. **American Journal of Physiology (Heart & Circul.)** 280:H142-H150, 2001 (3.32)
21) De Jong I., **Sgoifo A**., Lambooij E., Korte S.M., Blokhuis H.J., Koolhaas J.M. Effects of social stress on heart rate and heart rate variability in growing pigs **Canadian Journal of Animal Science**, 80:273-280, 2000 (0.72)

20) **Sgoifo A**., Koolhaas J.M., de Boer S.F., Musso E., Stilli D., Buwalda B., Meerlo P. Social stress, autonomic neural activation, and cardiac activity in rats. **Neuroscience & Biobehavioral Reviews**, 23:915-923, 1999 (8.58)
19) **Sgoifo, A**. Koolhaas J.M., Musso E., de Boer SF. Different sympathovagal modulation of heart rate during social and non-social stress episodes in wild-type rats. **Physiology & Behavior,** 67(5):733-738, 1999 (2.46)
18) Meerlo P., **Sgoifo A**., de Boer SF., Koolhaas JM. Long-lasting consequences of a social conflict in rats: behavior during the interaction predicts subsequent changes in daily rhythms of heart rate, temperature, and activity **Behavioral Neuroscience,** 113:1283-90, 1999 (2.69)
17) Korte S.M., **Sgoifo A**., Ruesink W., Kwakernaak C., van Voorst S., Scheele C.W., Blokhuis H.J. High carbondioxide tension (PCO2) and the incidence of cardiac arrhythmias in rapidly growing broiler chickens. **Veterinary Record**, 145(2):40-43, 1999 (1.74)
16) Buwalda B., de Boer S.F., Schmidt E.D., Felszeghi K., Nyakas C., **Sgoifo A.**, Van der Vegt B.J., Tilders F.J.H., Bohus B., Koolhaas J.M. Long-lasting deficient dexamethasone suppression of HPA activation following peripheral CRF challenge in socially defeated rats. **Journal of Neuroendocrinology** 11(7):513-520, 1999 (3.17)
15) **Sgoifo A.**, Stilli D., De Boer S., Koolhaas J., Musso E. Acute social stress and cardiac electrical activity in rats. **Aggressive Behavior** 24:287-296, 1998 (2.47)
14) **Sgoifo A.,** De Boer S., Buwalda B., Korte-Bouws G., Tuma J., Bohus B., Zaagsma J., Koolhaas J.M. Vulnerability to arrhythmias during social stress in rats with different sympatho-vagal balance. **American Journal of Physiology (Heart & Circul.)** 275:H460-H466, 1998 (3.32)
13) Ceresini G., **Sgoifo A.,** Freddi M., Musso E., Parmigiani S., Del Rio G., Valenti G. Effects of galanin and the galanin receptor antagonist galantide on plasma catecholamine levels during a psychosocial stress stimulus in rats. **Neuroendocrinology** 67:67-72, 1998 (2.58)
12) Stilli D., Aimi B., **Sgoifo A.**, Ciarlini P., Regoliosi G., Lagrasta C., Olivetti G., Musso E. Dependence of temporal variability of ventricular recovery on myocardial fibrosis. Role of mechanoelectric feedback. **Cardiovascular Research** 37:58-65, 1998 (5.46)
11) Koolhaas J., De Boer S., De Ruiter A., Meerlo P., **Sgoifo A.** Social stress in rats and mice. **Acta Physiologica**, 161(Suppl. 640):69-72, 1997 (4.07)
10) **Sgoifo A.**, De Boer S., Westenbroek C., Maes F., Beldhuis H., Suzuki T., Koolhaas J. Incidence of arrhythmias and heart rate variability in wild-type rats exposed to social stress. **American Journal of Physiology (Heart & Circul.)** 273:H1754-H1760, 1997 (3.32)
9) **Sgoifo A.**, De Boer S., Haller J., Koolhaas J. Individual differences in plasma catecholamine and corticosterone stress responses of wild-type rats: relationship with aggression. **Physiology and Behavior**, 60:1403-1407, 1996 (2.46)
8) **Sgoifo A.,** Stilli D., Medici D., Gallo P., Aimi B., Musso E. Electrode positioning for reliable telemetry ECG recordings during social stress in unrestrained rats. **Physiology and Behavior**, 60:1397-1401, 1996 (2.46)
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