1. Personal details

Name: Dr Snezana Kusljic

Business details: The University of Melbourne
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2. Academic qualifications

2005 Doctor of philosophy (PhD) in Neuropsychopharmacology
Thesis title: Exploring the Role of Brain Serotonin Activity in Rat Behavioural Models of Schizophrenia: Lesion studies. The University of Melbourne, Australia

2002 B.Sc. Hons in Neuropsychopharmacology
Thesis title: Role of brain serotonin in animal models of schizophrenia: comparison with antipsychotic drugs. The University of Melbourne, Australia

1990 - 1992 Medical student, Faculty of Medicine, Tuzla University, Bosnia & Hercegovina, Former Yugoslavia

3. Employment history

2008 – current The University of Melbourne
Position: Senior Lecturer, Psychopharmacology and Bioscience leader for Postgraduate Diploma in Nursing Practice – Mental Health and Master of Nursing Science program

2006 – 2008 Monash University
Position: Research Fellow

2005 – 2006 Mental Health Research Institute of Victoria
Position: Post-doctoral Research Officer

4. Honorary appointments

2010 - current Visiting Professor, School of Medicine, University in Kragujevac, Serbia

5. Teaching

5.1 Summary of subject coordination and teaching

Master of Nursing Science (entry-to-practice)

- NURS50003 Nursing Science 1 (Anatomy & Physiology)

Number of students enrolled in 2009 = 113
Number of students enrolled in 2010 = 103
Number of students enrolled in 2011 = 100
Number of students enrolled in 2012 = 107
Number of students enrolled in 2013 = 115

- NURS50006 Nursing Science 2 (Pathophysiology I & Pharmacology)

Number of students enrolled in 2008 = 70
Number of students enrolled in 2009 = 99
Number of students enrolled in 2010 = 88
Number of students enrolled in 2011 = 82
Number of students enrolled in 2012 = 88
Number of students enrolled in 2013 = 99

- NURS90052 Nursing Science 3 (Pathophysiology II & Pharmacology)

Number of students enrolled in 2009 = 52
Number of students enrolled in 2010 = 85
Number of students enrolled in 2011 = 67
Number of students enrolled in 2012 = 73
Number of students enrolled in 2013 = 85

Postgraduate Diploma in Nursing Practice, Mental Health

- NURS90012 Psychopharmacology

Number of students enrolled in 2008 = 68
Number of students enrolled in 2009 = 47
Number of students enrolled in 2010 = 32
Number of students enrolled in 2011 = 47
Number of students enrolled in 2012 = 48
Number of students enrolled in 2013 = 36

5.2 Other teaching experience

2004 Tutor in problem based learning tutorials specifically designed for medical students in the Faculty of Medicine, Dentistry and Health Sciences, The University of Melbourne

2003-2005 Demonstrator - Department of Pharmacology, University of Melbourne

2003-2004 Tutor - Department of Pharmacology, The University of Melbourne

2002-2006 Supervision of undergraduate and postgraduate students - Mental Health Research Institute of Victoria

6. Professional associations & Service to the University

2010-current School of Health Sciences **-** Human Ethics Advisory Group, Member
2009-current Faculty Honours Committee, Member
2007-current International Society for Autonomic Neuroscience, Member
2002-current Australasian Society of Clinical and Experimental Pharmacologists and Toxicologist (ASCEPT), Member
2005-2008 Serotonin club, Member
2002-2005 Australian Neuroscience Society (ANS), Member

7. Grants and Awards

2013 - Learning and Teaching Initiative Grant $15,000
2010 - G.E.M. Scott Grant for teaching excellence $10,000
2009 - Early Career Researcher Grant $40,000
2007 - ASCEPT New Investigator Travel Award $1,630
2004 - Lundbeck Young Researcher Travel Grant $600
2003 - Australian Neuroscience Society Travel Grant $300
2002 - Best Poster Award, Lady June Zeidler Student Travel Award $1,750

8. Invited seminars and symposia

8.1 Drug development & Clinical Trials, The University of Melbourne, 2013
8.2 Drug development & Clinical Trials, The University of Melbourne, 2012
8.3 Exploring the role of oestrogen in the pathophysiology of benign prostatic hyperplasia, The University of Melbourne, 2012
8.4 Psychotropic treatments, NorthWestern Mental Health, The Royal Melbourne Hospital, 2011
8.5 Psychopharmacology update for Psychiatric Nurses, Centre for Psychiatric Nursing, 2011
8.6 Drug development & Clinical Trials, The University of Melbourne, 2011
8.7 Psychopharmacology update for Psychiatric Nurses, Centre for Psychiatric Nursing, 2010
8.8 Drug development & Clinical Trials, The University of Melbourne, 2010
8.9 Exploring the role of estrogen in the pathophysiology of benign prostatic hyperplasia, The University of Melbourne, 2010
8.10 Drug development & Clinical Trials, The University of Melbourne, 2009
8.11 Antipsychotic medications. Adolescent & Youth Services - Royal Children's Hospital, Melbourne, 2008
8.12 Do low doses of oestrogen display finasteride-like effects? 4th National Symposium on Advances in Urogenital Research, Melbourne, 2007
8.13 Role of brain serotonin system in animal models of schizophrenia. Victorian College of Pharmacy, Monash University, Australia, 2006
8.14 Exploring the role of brain serotonin activity in rat behavioural models of schizophrenia: Lesion studies. Mental Health Research Institute of Victoria, Melbourne, 2005
8.15 Brain serotonin lesions and behavioural responses to psychotropic drugs in rats. Open Forum, Mental Health Research Institute of Victoria, Melbourne, 2002

9. Supervision and mentoring of higher degree research (HDR) students

Supervision of PhD students
9.1 Lam, M. (completed 2011)

9.2 Adams, W. (completed 2010)

Supervision of Master of Nursing Science Students – Masters' Research Project
9.3 Berry, C., Brown, E., Bryce, E., Cliffe, J & Smykowsky, A. (2011-2012)
9.4 Johnstone, M., Bing, C., Chalmers, N., Gundreddy, S., Lim, V. & Farr, E. (2013-2014)

Supervision of Honours degree students and International students (equivalent to Honours)
9.5 Aneja, J. (2013)
9.6 Lam, D. (2013)
9.7 Ho, N. (2013)
9.8 Tran, B. (2012)
9.9 Anderson, J. (2012)
9.10 Zant, J. (2004-2005). University of Leiden, Netherlands
9.11 Brosda, J. (2003-2004). Brain Research Institute, Department of Neuropharmacology, University of Bremen, Germany
9.12 Smolic, A. (2002)

10. Publications

BOOK CHAPTER
10.1 **Kusljic, S.** & Van den Buuse, M. - Serotonin in Stress, in Encyclopedia of Stress (2nd ed.), ed. G. Fink, Elsevier:pp. 461-464. (2007): Invitation by Professor George Fink, editor.

PEER-REVIEWED ARTICLES
10.2 **Kusljic, S.,** Manias, E., Tran, B. & Williams, A. Enablers and barriers affecting medication-taking behaviour in aging men with benign prostatic hyperplasia. Aging Male, 2013 (in press)

10.3 Anderson, J., Manias, E, **Kusljic, S.** & Finch, S. Testing the validity, reliability and utility of the Self-Administration of Medication (SAM) Tool in patients undergoing rehabilitation. Research in Social and Administrative Pharmacy, 2013 (in press)

10.4 Manias, E., **Kusljic, S.,** Berry, C., Brown E., Bryce, E., Cliffe, J. & Smykowsky, A. Use of the Screening Tool of Older Person's Prescriptions (STOPP) in Older People Admitted to an Australian Hospital. Australasian Journal on Ageing, 2013 (in press)

10.5 **Kusljic, S.** & Van den Buuse, M. Differential role of serotonin projections from the dorsal and median raphe nuclei in phencyclidine-induced hyperlocomotion and Fos-like immunoreactivity in rats. Synapse, 66 2012, 885-892.

10.6 Brody, K.M., Ziogas, J. & **Kusljic, S.** Identification and differential distribution of the prostatic interstitial cells in the mouse prostate: Implications for prostate-specific diseases. Journal of Cell and Tissue Research, 11(2) 2011, 2731-2735.

10.7 **Kusljic, S.** & Van den Buuse, M. The effect of serotonergic lesions in the medial prefrontal cortex on psychotomimetic drug-induced locomotor hyperactivity and prepulse inhibition in rats. Serbian Journal of Experimental and Clinical Research, 12 (1) 2011, 11-19.

10.8 Dey, A., **Kusljic, S.,** Lang, R.J. & Exintaris, B. Role of connexin 43 in the maintenance of spontaneous activity in the guinea pig prostate gland. British Journal of Pharmacology, 161 (8) 2010, 1692-1707. Times cited: 1

10.9 **Kusljic, S.** & Exintaris, B. The effect of estrogen supplementation on cell proliferation and expression of c-kit positive cells in the rat prostate. Prostate, 70 (14) 2010, 1555-1562.

10.10 Exintaris, B., Dey, A., **Kusljic, S.,** Nguyen, D.T. & Lang, R.J. Pacemaker cells in the prostate. Journal of Physiological Sciences, 59 2009, 278-278.

10.11 Adams, W., **Kusljic, S.** & Van den Buuse, M. Serotonin depletion in the dorsal and ventral hippocampus: effects on locomotor hyperactivity, prepulse inhibition and learning and memory. Neuropharmacology, 55 (6) 2008, 1048-1055. Times cited: 24

10.12 **Kusljic, S.,** Dey, A., Nguyen, D.T., Lang, R.J. & Exintaris, B. Prostatic interstitial cells in ageing guinea-pig prostates. Current Urology, 1 (3) 2007, 141-144.

10.13 Adams, W., **Kusljic, S.** & Van den Buuse, M. The involvement of serotonin in the dorsal hippocampus in NMDA receptor antagonist-induced locomotor hyperactivity is specific to phencyclidine and not MK-801. Journal of Pharmacological Sciences, 101 (Supplement 1) 2006, 138-138.

10.14 **Kusljic, S.,** Brosda, J. & Van den Buuse, M. Effects of haloperidol and clozapine on sensorimotor gating deficits induced by 5-hydroxytryptamine depletion in the brain. British Journal of Pharmacology, 147 (7) 2006, 800-807. Times cited: 11

10.15 **Kusljic, S.** & Van den Buuse, M. Differential involvement of 5-HT projections within the amygdala in prepulse inhibition but not in psychotomimetic drug-induced hyperlocomotion. Behavioural Brain Research, 168 (1) 2006, 74-82. Times cited: 10

10.16 Van den Buuse, M., Garner, B., Gogos, A. & **Kusljic, S.** Importance of animal models in schizophrenia research. The Australian and New Zealand Journal of Psychiatry, 39 (7) 2005, 550-557. Review, Times cited: 51

10.17 Gogos, A., **Kusljic, S.** & Van den Buuse, M. 8-OH-DPAT-induced effects on prepulse inhibition: pre- vs. post-synaptic 5-HT_{1A} receptor activation. Pharmacology, Biochemistry and Behaviour, 81 (3) 2005, 664-672. Times cited: 14

10.18 **Kusljic, S.,** Brosda, J., Norman, T.R. & Van den Buuse, M. Brain serotonin depletion by lesions of the median raphe nucleus enhances the psychotomimetic action of phencyclidine, but not dizocilpine (MK-801), in rats. Brain research, 1049 (2) 2005, 217-226. Times cited: 14

10.19 **Kusljic, S.** & Van den Buuse, M. Serotonin depletion in dorsal hippocampus in rats causes enhanced phencyclidine-induced locomotor hyperactivity and disruption of prepulse inhibition. International Journal of Neuropsychopharmacology, 7 (Supplement 2) 2004, S294. Times cited: 1

10.20 **Kusljic, S.** & Van den Buuse, M. Functional dissociation between serotonergic pathways in dorsal and ventral hippocampus in psychotomimetic drug-induced locomotor hyperactivity and prepulse inhibition in rats. The European Journal of Neuroscience, 20 (12) 2004, 3424-3432. Times cited: 20

10.21 **Kusljic, S.,** Copolov, D.L. & Van den Buuse, M. Differential role of serotonergic projections arising from the dorsal and median raphe nuclei in locomotor hyperactivity and prepulse inhibition. Neuropsychopharmacology, 28 (12) 2003, 2138-2147. Times cited: 24

CONFERENCE PROCEEDINGS

*10.22 **Kusljic, S** & Van den Buuse, M. The effects of lesions of the raphe nuclei on phencyclidine-induced c-fos expression in the rat brain: implications for schizophrenia. European Neuropsychopharmacology, 21 (Supp 3) 2011, S290.

*10.23 **Kusljic, S.** & Exintaris, B. The effect of estrogen supplementation on cell proliferation and distribution of prostatic interstitial cells in the rat prostate. Basic & Clinical Pharmacology & Toxicology, 107 (Supp 1) 2010, 162-692.

*10.24 Exintaris, B., Dey, A., **Kusljic, S.,** Lam, M., Nguyen, D.T. & Lang, R.J. Pacemaker cells and contractility in the prostate gland. Basic & Clinical Pharmacology & Toxicology, 107 (Supp 1) 2010, 162-692.

*10.25 Dey, A., **Kusljic, S.,** Lang, R.J. & Exintaris, B. Role of CX 43 in the maintenance of spontaneous activity in the guinea pig prostate. Basic & Clinical Pharmacology & Toxicology, 107 (Supp 1) 2010, 162-692.

*10.26 Exintaris, B., Dey, A., **Kusljic, S.,** Nguyen, D.T. & Lang, R.J. Pacemaker cells in the prostate. Proceedings of the XXXVI International Congress of Physiological Sciences, 59 (P2PM-7-10), 2009.

*10.27 **Kusljic, S.,** Nguyen, D.T., Dey, A. & Exintaris, B. Distribution of interstitial cells and connexin 43 in guinea-pig prostate gland. Autonomic Neuroscience: Basic and Clinical, 135 (I-P-065), 2007.

10.28 Dey, A., Nguyen, D.T., **Kusljic, S.** & Exintaris B. Spontaneous electrical activity in guinea pig prostates. Proceedings of Australian Health & Medical Research Congress, 158 (ORAL-083), 2006.

*10.29 Adams, W., **Kusljic, S.** & Van den Buuse, M. The involvement of serotonin in the dorsal hippocampus in NMDA receptor antagonist-induced locomotor hyperactivity is specific to phencyclidine and not MK-801. Proceedings of Australian Neuroscience Society, 17 (100) 2006 and *Serotonin club meeting,* 101 (P2-31), 2006, Japan.

10.30 Van den Buuse, M., **Kusljic, S.** & Martin S. Serotonin depletion in the brain by lesions of the dorsal or median raphe nucleus: effects on prepulse inhibition (PPI) and learning and memory in rats. Proceedings of Australian Neuroscience Society, 17 (36), 2006.

*10.31 Van den Buuse, M. & **Kusljic, S.** Serotonin modulation of the effects of amphetamine and phencyclidine: Locomotor hyperactivity prepulse inhibition studies in rats. 44th Annual Meeting of the American-College-Neuropsychopharmacology, 30 (1), S26, 2005

10.32 Van den Buuse, M., **Kusljic, S.,** Brosda, J. & Zant, J.P. Selective lesions of the dorsal or median raphe nucleus in rats: effects on prepulse inhibition, memory, serotonin levels and serotonin transporter binding. Society for Neuroscience, P557.3, 2005.

10.33 Gogos, A., **Kusljic, S.** & Van den Buuse, M. Localisation of the effect of serotonin-1A receptor activation on prepulse inhibition: central injection and lesion studies. Proceedings of Asutralian Neuroscience Society, 16 (127), 2005.

*10.34 **Kusljic, S.** & Van den Buuse, M. Serotonin depletion in dorsal hippocampus in rats

causes enhanced phencyclidine-induced locomotor hyperactivity and disruption of prepulse inhibition. Collegium Internationale Neuropsychopharmacologicum (CINP), 7, 2004 and Society for Neuroscience, P796.12, 2004.

*10.35 **Kusljic, S.** & Van den Buuse, M. Mapping the role of brain serotonin projections in animal models of schizophrenia. The World Journal of Biological Psychiatry, 5, (Supplement 1: 40), 2004 and Proceedings of Australian Neuroscience Society, 15 (142), 2004.

10.36 **Kusljic, S.** & Van den Buuse, M. Role of serotonergic projections to the dorsal hippocampus in locomotor hyperactivity and prepulse inhibition. Proceedings of Australian Neuroscience Society 14 (POS-THU-190), 2003.

10.37 Van den Buuse, M., Chavez, C., **Kusljic, S.,** Martin, S. & Wang, J.H. Corticosterone modulation of prepulse inhibition (PPI) and locomotor hyperactivity in mice. Proceedings of Australian Neuroscience Society, 14 (ORAL-10-02), 2003.

10.38 **Kusljic, S.** & Van den Buuse, M. Differential role of serotonin projections in the brain in behavioural animal models of schizophrenia. Proceedings of Australian Health & Medical Research Congress, POS-2020, 2002.

10.39 Smolic, A., **Kusljic, S.** & Van den Buuse, M. Behavioural effects of serotonin lesions in the nucleus accumbens in animal models of schizophrenia. Proceedings of Australian Health & Medical Research Congress, POS-2028, 2002.

10.40 Gogos, A., **Kusljic, S.** & Van den Buuse, M. Role of brain serotonin in animal models of schizophrenia: Behavioural effect of median vs. dorsal raphe nucleus lesions. Proceedings of Australian Neuroscience Society, 13 (192), 2002.

*Conference proceedings published in refereed journals