

CURRICULUM VITAE

Name: Boris Sakic

Home Address: 150 Charlton Ave. East, apt. 3204
Hamilton, Ontario, Canada L8N 3X3

Business Address: Department of Psychiatry and Behavioral Neurosciences, McMaster University
Psychology Building Rm. 303, 1280 Main St. West
Hamilton, Ontario, Canada L8S 4K1
tel.: 1-905-518-7833
e-mail: sakic@mcmaster.ca

Educational Background:

1973-77 Pharmacy Chemist Diploma
Secondary School of Medicine “Veljko Dugosevic”, Belgrade

1977-81 B.Sc. - General Biology
Faculty of Natural and Mathematical Sciences, University of Belgrade
Supervisor: Dr. M. Neskovic

1982-85 M.Sc. - Neurobiology Program
Centre for Multidisciplinary Studies, University of Belgrade
Supervisor: Dr. J. Ivanus

1985-90 Ph.D. - Neuroimmunology Program
Faculty of Natural and Mathematical Sciences, University of Belgrade
Supervisor: Dr. Lj. Rakic

Additional Educational, Professional Training and Qualifications:

November 1987 International School of Young Scientists “The Learning Brain”, course Brain physiology and biochemistry, Leningrad (St. Petersburg), former USSR.

August 1993 Pathogenesis of Neuroimmunologic Diseases (by Byron H. Waksman) Marine Biological Laboratory, Woods Hole, MA, USA

1993-94 Brain Functions and Neuropsychiatric Disorders Psychoneuroimmunology (graduate course), McMaster University

August 2001 Pathogenesis of Neuroimmunologic Diseases (by Celia Brosnan) Marine Biological Laboratory, Woods Hole, MA, USA

September 2006-August 2007 Sabbatical, The Salk Institute, San Diego, USA (with Greg Lemke, Fred Gage)

Honors and Awards:

1965-73 Award of Excellency - “Vuk Karadzic” Diploma, Belgrade

1975-79 “Marshal Tito” Scholarship (fund for excellent students), Belgrade

1983-85 Graduate Scholarship, Municipal Science Foundation, Belgrade

1991-93 Post-doctoral Fellowship, Ontario Mental Health Foundation, Toronto

1993-95 Post-doctoral Fellowship, Ontario Mental Health Foundation, Toronto

1998-99 Pfizer Canada Inc. Research Fellowship

1998-00 Intermediate Fellowship, Ontario Mental Health Foundation, Toronto

2000-02 Web Administrator for “Canadian Network on Neuroimmune Biology”

2000-02 Intermediate Fellowship, Ontario Mental Health Foundation, Toronto

2001-06 Career Devel. Award, Father Sean O’Sullivan Research Center, Hamilton

2002 Presentation selected for the Annual Media Book, Society for Neuroscience

2002-05 National Institutes of Health, USA (salary support, 35%)

2009 Excellence in Research Mentorship Award, McMaster University

2010 Invited speaker and chair at the 7th International Congress on Autoimmunity (Ljubljana, Slovenia)

2012 Invited faculty at the Neuroscience School of Advanced Studies (course

2014	“Neuroinflammation”, San Quirico d'Orcia, Italy) McMaster Student Union Teaching Award
Supervised Student Awards:	Sujin Chun (NSERC scholarship 2004) David Ballok (CIHR PhD scholarship, 2003) Minesh Kapadia (CIHR MSc scholarship 2010, OGS Scholarship 2011, 2012, 2013, FSORC Scholarship 2013)
Professional Organizations:	Society for Neuroscience Society of Biological Psychiatry PsychoNeuroImmunology Research Society Canadian Society for Brain and Cognition
Employment History:	
1982-85	Research Associate, Center for Multidisciplinary Studies, Belgrade
1985-87	Research Associate, Immunology Research Centre, Belgrade
1987-89	Research Assistant, Institute for Biological Research, Belgrade
1989-91	Research Assistant, Dept. of Medicine, McMaster University, Hamilton
1991-95	Post-doctoral Fellow, Dept. of Biomedical Sci., McMaster University
1995-96	Assistant Professor, Dept. of Biomedical Sciences, McMaster University
1996-03	Assistant Professor, Dept. of Psychiatry & Behavioural Neurosciences
2003 - present	Associate Professor, Dept. of Psychiatry & Behavioural Neurosciences, McMaster University
2013- present	Visiting Professor, Faculty of Biology, University of Belgrade, Serbia
Scholarly and Professional Activities:	
<i>Fellowship Committee Member</i>	Ontario Mental Health Foundation (1998-2003)
Grant Reviewer (internal)	Canadian Institutes of Health Research (Team Grants, 2005) Canadian Institutes of Health Research (Behavioral Sciences A, 2005) National Institutes of Health, USA (2003)
Grant Reviewer	Alberta Heritage Foundation for Medical Research (2004) Alliance for Lupus research (2011) Arizona Disease Control Research Commission (1999-2008) Canadian Institutes of Health Research (2002-2004) Canada Research Chairs (2007) Israel Science Foundation (2007, 2011) Medical Research Council - United Kingdom (2004) National Fund for Scientific and Technological Development, (Chile, 2010) Natural Sciences and Engineering Research Council of Canada (2005) National Medical Research Council of Singapore (2008, 2011) NSERC (2007) NIH (2008, 2013) Research Commission, Swiss Federal Institute of Technology (2005) Science Fund of the Republic of Serbia (2019)
<i>Research Committee Advisor</i>	Medical Research Council of Canada
<i>Associate Editor</i>	Journal of Alzheimer's Disease (2013- 2015)
<i>Journal Referee</i>	Arthritis and Rheumatism Brain, Behavior, and Immunity Behavioral Brain Research Behavioral Neuroscience Biological Psychiatry Experimental Neurology Genes, Brain and Behavior Journal of Biomedicine and Biotechnology

Journal of Clinical Rheumatology
 Journal of Neuroimmunology
 Journal of Neuroinflammation
 Journal of Psychiatry and Neuroscience
 Molecular Brain Research
 Molecular Psychiatry
 Neuropsychopharmacology
 Pediatric Research
 Pharmacology, Biochemistry and Behavior
 Physiology and Behavior
 Psychosomatic Medicine

Scholarship Committee Member Graduate Program in Health Sciences (2001-2006)

Research Interest: Brain degeneration and inflammation; Autoimmunity; Brain-reactive antibodies.

Teaching: Experimental Psychometrics; Neuroimmunology; ImmunoPsychiatry.

Courses Taught (last five years):

Undergraduate	1. Instructor: "Measuring Behavior" (lecture-based course 3PA3, Dept. of Psychology, Neuroscience & Behaviour) 2012 - 2013 2. Instructor: "Measuring Behavior" (lab course 3LA3, Dept. of Psychology, Neuroscience & Behaviour) 2013 - 2014 3. 3H03/3QQ3/4QQ3/4AO9/4CO9/4DO6 Independent study, Thesis project (Dept. of Psychology, Neuroscience & Behaviour) 1995 - present 4. Instructor: "Neuroscience laboratory" (lab course PNB 3LO3, Dept. of Psychology, Neuroscience & Behaviour) 2014 – present
Graduate	1. Instructor: "Psychoneuroimmunology" (MS 711), 2001 - 2012 2. Coordinator: Neuro 700 (MINDS Program) 2012 - 2013 3. Instructor: "Psihoneuroimunologija" Faculty of Biology, University of Belgrade, 2014 – present
Medical School Program	1. Tutor: MF 5 (Neuroscience, Brain and Behavior) 1995 – present 2. Tutor: MF 2 (Endocrinology, Metabolism & Nutrition) 2013 – present 3. Tutor: MF 4 (Immunology, Host defense and Neoplasia) 2015 – present 4. Tutor: MF 3 in Physician Assistant program; 2015 – present
Supervisorship:	
PhD degree	David A. Ballok (Neurodegeneration in an animal model of neuropsychiatric lupus, Sept. 2001 - July 2006) Minesh Kapadia (Pathogenic mechanisms of autoimmunity-induced olfactory dysfunction, April 2012 - September 2015)
Master's Degree	Jason Millward (Neuropathological and immunopathological correlates of aberrant behavior in autoimmune MRL-lpr mice: a multivariate approach, Sept. 1999 - Sept. 2001). Aoife Earls (Changes in social behaviour along the development of systemic autoimmune disease, Sept 2002 - Aug. 2004) Soojin Soon (Pharmacologically induced self-injurious behavior in lupus-prone mice, Sept. 2003 - July 2005) Michelle Sidor (Immunoglobulins in CSF during the development of systemic autoimmune disease, Sept. 2003 - July 2005) Xiaoxing Ma (The kinetics and phenotype profile of immunocyte infiltration into the brains of lupus-prone mice, Sept. 2003 - July 2005) Mile Stanojic (Atrophy and repair in autoimmune brain, Sept. 2007 - July 2009) Genane Loheswaran (Refinements in an animal model of CNS-SLE, Sept. 2008 - July 2010) Minesh Kapadia (Olfactory dysfunction in autoimmune brain, Sept. 2010 - Aug. 2012)

Undergraduate thesis	Amanda Kwant (completed) Holly Hatfield (completed) Christina Cheung (completed) Kelly Anderson (4A09, completed) Rebecca McEvilly (3H03, completed) Jared Churko (4C09, completed) Nicole Stula (3H03, completed) Tiffany Parson (3H03, completed) Katarina Marcinko (3H03, completed) Sultan Chandry (3H03, completed) Sangeeta Ullal (4C09, completed) Simarjot Sandhu (4A09, completed) Minesh Kapadia (4A09, completed) Sheena Pulapaka (4C09, completed) Jennifer Lee (4C09, completed) Rupal Hatkar (4C09, completed) Sarah Taylor (4D06, completed) Milica Stojanovic (4D06, completed) Marcella Cooper (4D06, completed)
Supervisory Committee (McMaster University):	
Undergraduate thesis	Jamie Twanow (completed, <i>Knox College, Illinois, USA</i>) Helena Segrt (completed, PNB program, McMaster University)
Master's Degree	Alexandar Kolbasnik (completed) Sarah Henderson (completed) Neena Prasad (completed) Karuna Ramakrishnan (completed) Catharine Krasnic (completed) Aaron Titlebaum (completed) Jordan Shaw (completed) Marianne Chew (completed) Mark Tucci (completed) Jesse Chow (completed) Nazanin Rajabi (completed) Arani Sathiyapalan (completed) Eric Johnson (completed) Yasir Rehman (completed)
PhD Degree	Chris Engeland, (completed, Graduate Program in Neuroscience, <i>Univ. of Western Ontario, Canada</i>) Vladimir Miskovic (completed, McMaster University) Mark Tucci (completed) Candace H. Carriere (completed) Vanja Todorovic (Faculty of Pharmacy, University of Belgrade)
Student Advisor	MD Programme: Sumeet Suneja, Marina Frantseva, Erin Stone
External Examiner	Arkan Abadi (comprehensive exam, July 2003) Melanie Gareau (MSc to PhD transfer meeting, September 2003) Katie Stys (MSc defense, August 2005) Laili Soleimani (MSc defense, January 2006, <i>University of Toronto</i>) Laura Pacey (PhD thesis defense, October 2007) Qi Wu (comprehensive exam, June 2008) Thomas J. A. McMurran (MSc defense, July 2009) Thomas Sabljic (PhD transfer, September 2010) Josh Collins (MSc., September 2011)
Administrative Responsibilities:	
Admission Assessor	MD, OT/PT (1997-2006, 2010, 2011)

Midwifery Programs (1997-2006, 2010, 2011)
CaRMS Residency Selection, Interviewer, 2010, 2011, 2013

Member

Scholarship Committee (Graduate Programs in Health Sciences, 2004-2006)

Research Funding:

1993-94	Astra Draco, co-investigator (\$28,000) "The Effect of D7193 in an Animal Model of Autoimmunity-induced Behavioral Dysfunction".
1995-96	Pfizer Canada Inc., co-investigator (\$83,037) "Effect of Sertraline in an Animal Model of Autoimmunity and Neurobehavioral Dysfunction".
1997-98	Canadian Psychiatric Research Foundation, (\$30,000) "Aberrant Behavior in Autoimmunity: Roles of Interleukin-6 and Corticotropin- Releasing Hormone".
1997-00	Medical Research Council of Canada, research grant MT-14327 (\$163,047) "Neuro- and immunopathological changes related to aberrant behavior in autoimmune mice".
2000-03	Medical Research Council of Canada, research grant MOP 38065 (\$147,204) "On the pathogenic mechanisms of autoimmunity-induced neurodegeneration and behavioral dysfunction".
2000	Canada Foundation for Innovation, Innovation Fund (\$254,593) "Regional brain neurochemistry, psychostimulant-induced behaviour, and mental disorders" (joint grant, P.I.: H. Szechtman).
2001-02	FSORC New Investigator Grant, St. Joseph's Hospital, Hamilton (\$10,000) "Characterization of neurotoxic cerebrospinal fluid from autoimmune animals.
2002-05	Canadian Institutes of Health Research (\$223,827) "Brain cell death during systemic autoimmune disease: targets and mechanisms" (<u>declined</u>).
2002-05	National Institutes of Health, USA, 1R21 AR49163-01 (US\$350,000) "Brain cell death in MRL mice: targets and mechanisms".
2004-05	Hamilton Health Sciences (\$24,844) "Investigating the intracellular mechanisms of autoimmune mediated neurotoxicity" (Mentor of Dr. Joseph Macri).
2004-05	The Jonty Foundation, USA (\$37,030) "Autoimmunity as an etiological factor in a subgroup of patients with autistic spectrum disorders".
2005-09	Canadian Institutes of Health Research 74593 (\$291,345) "Brain-reactive autoantibodies: Origin, structure, and effects on behavior"
2010-12	St. Peter's Hospital Foundation, Hamilton, Ontario, equipment grant (\$27,000) "Behavioral effects of antibiotics in a mouse model of Alzheimer's disease"
2010-13	Ontario Mental Health Foundation, Toronto (\$149,818) "Behavioral and Neurotoxic Effects of Brain-Reactive Antibodies"
2016-17	Canadian Institutes of Health Research PJT-149031 (\$100,000) "Immunity, sex and genes in the etiology of Alzheimer's disease" (co-PI with Dr. M. Fahnstock)
2018-20	Canadian Institutes of Health Research, Catalyst Grant, SVB-158618 (\$150,000): "Sex-dependent systemic autoimmunity in a mouse model of Alzheimer's disease" (co-PI with Dr. M. Fahnstock)

Media Coverage:

1. Hamilton Spectator March 1, 2003: Mac professor says immune system may turn itself on.
2. CH News: Lupus on CH News 2003
3. Globe and Mail (2015): Inflammation: Mental health is like a window. It can be broken many ways (page L6) (Internet version: <http://www.theglobeandmail.com/life/health-and-fitness/fitness/treating-the-brain-and-the-immune-system-in-tandem/article22491754/>)
4. Calgary News Talk 770 station: <http://www.newstalk770.com/audio-on-demand-2/> Date: 26. January 2015, Time: 1:10-1:20 P.M.
5. Globe and Mail (2020): Scientists warn COVID-19 could lead to neurological complications in some patients: <https://www.theglobeandmail.com/canada/article-scientists-warn-covid-19-could-lead-to-neurological-complications-in/>

Lifetime Publications:

Citations: 2592, h-index = 33, i10-index = 54
(Source: Google Scholar, May 30, 2023)

Articles:

1. **Sakic B.**, Kojic L., Jankovic B.D. & Skokljec A. (1989). Electro-acupuncture modifies humoral immune response in the rat. Acupuncture & Electro-Therapeutic Research **14**, 115-120. <http://www.ncbi.nlm.nih.gov/pubmed/2575342>
2. **Sakic B.** & Vlajkovic S. (1990). Self-stimulation behavior: consequences upon immunity? Brain Behavior & Immunity **4**, 255-264. <http://www.ncbi.nlm.nih.gov/pubmed/2083381>
3. **Sakic B.**, Szechtman H., Keffer M., Talangbayan H., Stead R. & Denburg J.A. (1992). A behavioral profile of autoimmune lupus-prone MRL mice. Brain Behavior & Immunity **6** 265-285. <http://www.ncbi.nlm.nih.gov/pubmed/1392101>
4. **Sakic B.**, Szechtman H., Denburg S., Carbotte R. & Denburg J.A. (1993). Spatial learning during the course of autoimmune disease in MRL mice. Behavioral Brain Research **54**, 57-66. <http://www.ncbi.nlm.nih.gov/pubmed/8504012>
5. **Sakic B.**, Szechtman H., Denburg S., Carbotte R. & Denburg J.A. (1993). Brain reactive antibodies and behavior of autoimmune MRL-lpr mice. Physiology & Behavior **54**, 1025-1029. <http://www.ncbi.nlm.nih.gov/pubmed/8248368>
6. **Sakic B.**, Szechtman H., Talangbayan H., Denburg S., Carbotte R. & Denburg J.A. (1994). Behavior and immune status of MRL mice in the post-weaning period. Brain Behavior & Immunity **8**, 1-13. <http://www.ncbi.nlm.nih.gov/pubmed/8003767>
7. **Sakic B.**, Szechtman H., Talangbayan H., Denburg S., Carbotte R. & Denburg J.A. (1994). Disturbed emotionality in autoimmune MRL-lpr mice. Physiology & Behavior **56**, 609-617. <http://www.ncbi.nlm.nih.gov/pubmed/7972416>
8. **Sakic B.**, Szechtman H., Denburg S. & Denburg J.A. (1995). Immunosuppressive treatment prevents behavioral deficit in autoimmune MRL-lpr mice. Physiology & Behavior **58**, 797-802. <http://www.ncbi.nlm.nih.gov/pubmed/8504012>

<http://www.ncbi.nlm.nih.gov/pubmed/8559794>

9. Denburg J.A, Denburg S.D, Carbotte R., **Sakic B.**, & Szechtman H. (1995). Nervous system lupus: pathogenesis and rationale for therapy. Scandinavian Journal of Rheumatology **24**, 263-273. <http://www.ncbi.nlm.nih.gov/pubmed/8533039>
10. **Sakic B.**, Szechtman H., Stead R. & Denburg J.A. (1996). Joint pathology and behavioral performance in autoimmune MRL-lpr mice. Physiology & Behavior **60**, 901-906. <http://www.ncbi.nlm.nih.gov/pubmed/8873267>
11. **Sakic B.**, Szechtman H., Denburg S. & Denburg J.A. (1996). Blunted sensitivity to sucrose in autoimmune MRL-lpr mice: a curve-shift study. Brain Research Bulletin **41**, 305-311. <http://www.ncbi.nlm.nih.gov/pubmed/8924042>
12. Farrell M., **Sakic B.**, Szechtman H. & Denburg J.A. (1997). Effect of cyclophosphamide on leucocytic infiltration in the brain of MRL/lpr mice. Lupus **6**, 268-274. <http://www.ncbi.nlm.nih.gov/pubmed/9104735>
13. Brey R.L., **Sakic B.**, Szechtman H. & Denburg J.A. (1997). Animal models for nervous system disease in systemic lupus erythematosus. Annals of New York Academy of Science **823**, 97-106. <http://www.ncbi.nlm.nih.gov/pubmed/9292036>
14. Szechtman H., Denburg J.A. & **Sakic B.** (1997). Behaviour of MRL mice: an animal model of disturbed behaviour in systemic lupus erythematosus. Lupus **6**, 223-229. <http://www.ncbi.nlm.nih.gov/pubmed/9104727>
15. **Sakic B.**, Szechtman H., Denburg S. & Denburg J.A. (1997). Neurobehavioral alterations in autoimmune mice. Neuroscience & Biobehavioral Reviews **21**, 327-340. <http://www.ncbi.nlm.nih.gov/pubmed/9168268>
16. **Sakic B.**, Szechtman H., Braciak T.A., Richards C.D., Gauldie J., & Denburg J.A. (1997). Reduced preference for sucrose in autoimmune mice: a possible role of interleukin-6. Brain Research Bulletin **44**, 155-165. <http://www.ncbi.nlm.nih.gov/pubmed/9292205>
17. **Sakic B.**, Gurunlian L., & Denburg S.D. (1998). Reduced aggressiveness and low testosterone levels in autoimmune MRL-lpr males. Physiology & Behavior **63**, 305-309. <http://www.ncbi.nlm.nih.gov/pubmed/9423973>
18. **Sakic B.**, Szechtman H., Denburg J.A., Gorny G., Kolb B., & Whishaw I. (1998). Progressive atrophy of pyramidal neuron dendrites in autoimmune MRL-lpr mice. Journal of Neuroimmunology **87**, 162-170. <http://www.ncbi.nlm.nih.gov/pubmed/9670858>
19. **Sakic B.**, Laflamme N., Crnic L., Szechtman H., Denburg J.A., & Rivest S. (1999). Reduced CRF and enhanced AVP gene expression in brains of mice with autoimmunity-induced behavioral dysfunction. Journal of Neuroimmunology **96**, 80-91. <http://www.ncbi.nlm.nih.gov/pubmed/10227427>

20. **Sakic B.**, Kolb B., Whishaw I.Q., Gorny G., Szechtman & H., Denburg J.A. (2000). Immunosuppression prevents neuronal atrophy in lupus mice: evidence for autoimmunity-induced brain damage? Journal of Neuroimmunology **111**, 93-101. <http://www.ncbi.nlm.nih.gov/pubmed/11063826>
21. **Sakic B.**, Maric I., Koeberle P.D., Millward J.M., Szechtman H., Maric D. & Denburg J.A. (2000). Increased TUNEL-staining in brains of autoimmune Fas-deficient mice. Journal of Neuroimmunology **104**, 147-154. <http://www.ncbi.nlm.nih.gov/pubmed/10713354>
22. **Sakic B.**, Gauldie J., Szechtman H., & Denburg J.A. (2001). Behavioral effects of infection with IL-6 adenovector. Brain Behavior & Immunity **15**, 25-42. <http://www.ncbi.nlm.nih.gov/pubmed/11259078>
23. Maric D., Millward J.M., Ballok D.A., Szechtman H., Barker J.L., Denburg J.A. & **Sakic B.** (2001). Neurotoxic properties of cerebrospinal fluid from behaviorally impaired autoimmune mice. Brain Research **920**, 183-193. <http://www.ncbi.nlm.nih.gov/pubmed/11716824>
24. **Sakic B.**, Lacosta S., Denburg J.A. & Szechtman H. (2002). Altered neurotransmission in brains from autoimmune mice: pharmacological and neurochemical evidence. Journal of Neuroimmunology **129**, 84-96. <http://www.ncbi.nlm.nih.gov/pubmed/12161024>
25. Ballok D.A., Szechtman H & **Sakic B.** (2003). Taste responsiveness and diet preference in autoimmune MRL mice. Behavioural Brain Research **140**, 119-130. <http://www.ncbi.nlm.nih.gov/pubmed/12644285>
26. Ballok D.A., Millward J.M. & **Sakic B.** (2003). Neurodegeneration in autoimmune MRL-lpr mice as revealed by Fluoro Jade B staining. Brain Research **964**, 200-210. <http://www.ncbi.nlm.nih.gov/pubmed/12576180>
27. Kwant A. & **Sakic B.** (2004). Behavioral effects of infection with interferon-gamma adenovector. Behavioural Brain Research **151**, 73-82. <http://www.ncbi.nlm.nih.gov/pubmed/15084423>
28. Ballok D.A., Woulfe J., Sur M., Cyr M. & **Sakic B.** (2004). Hippocampal damage in mouse and human forms of systemic autoimmune disease. Hippocampus **14**, 649-661. <http://www.ncbi.nlm.nih.gov/pubmed/15301441>
29. Ballok D.A, Earls A.M., Krasnik C., Hoffman S.A. & **Sakic B.** (2004). Autoimmunity-induced damage of the midbrain dopaminergic system in lupus-prone mice. Journal of Neuroimmunology **152**, 83-97. <http://www.ncbi.nlm.nih.gov/pubmed/15223241>
30. **Sakic B.**, Hannah S. & Millward J.M. (2005). Behavioral heterogeneity in an animal model of neuropsychiatric systemic lupus erythematosus. Biological Psychiatry **57**, 679-687. <http://www.ncbi.nlm.nih.gov/pubmed/15780857>
31. Sidor M., **Sakic B.**, Malinowski P., Ballok D., Oleschuk C.J. & Macri J. (2005). Elevated immunoglobulin levels in the cerebrospinal fluid from lupus-prone mice. Journal of Neuroimmunology **165**, 104-113. <http://www.ncbi.nlm.nih.gov/pubmed/15972238>

32. **Sakic B.**, Kirkham D., Ballok D.A., Mwanjewe J., Fearon I, Yu G., Macri J., Szechtman H., Denburg J.A., Sidor. M., Lau, J., Ball A. & Doering L. (2005). Proliferating brain cells are a target of neurotoxic cerebrospinal fluid in systemic autoimmune disease. Journal of Neuroimmunology **169**, 68-85. <http://www.ncbi.nlm.nih.gov/pubmed/16198428>
33. Anderson K.K., Ballok D.A., Prasad N., Szechtman H. & **Sakic B.** (2006). Impaired response to amphetamine and neuronal degeneration in the nucleus accumbens of autoimmune MRL-lpr mice. Behavioural Brain Research **166**, 32-38. <http://www.ncbi.nlm.nih.gov/pubmed/16183144>
34. Ballok D.A., Ma X., Denburg J.A. & **Sakic B.** (2006). Ibuprofen fails to prevent brain pathology in a model neuropsychiatric lupus. Journal of Rheumatology **33**, 2199-2213. <http://www.ncbi.nlm.nih.gov/pubmed/17086606>
35. Ma X., Foster J. & **Sakic B.** (2006). Distribution and prevalence of leukocyte phenotypes in brains of lupus-prone mice. Journal of Neuroimmunology **179**, 26-36. <http://www.ncbi.nlm.nih.gov/pubmed/16904195>
36. Chun S., McEvilly R., Foster J.A., & **Sakic B.** (2008). Proclivity to self-injurious behavior in MRL-lpr mice: implications for autoimmunity-induced damage in the dopaminergic system. Molecular Psychiatry **13**, 1043-1053. <http://www.ncbi.nlm.nih.gov/pubmed/17768421>
37. Ballok D.A. & **Sakic B.** (2008). Purine receptor antagonist modulates serology and affective behaviors in lupus-prone mice: evidence of autoimmune-induced pain. Brain Behavior & Immunity **22**, 1208-1216. <http://www.ncbi.nlm.nih.gov/pubmed/18601998>
38. Stojanovich Lj., Smiljanich-Miljkovich D., Omdal R., & **Sakic B.** (2009). Neuropsychiatric lupus and association with CSF immunoglobulins: a pilot study. IMAJ **11**, 359-362. <http://www.ncbi.nlm.nih.gov/pubmed/19697587>
39. Sled J.G., Spring S., van Eede1 M., Lerch JP, Ullal S., & **Sakic B.** (2009). Time-course and nature of brain atrophy in the MRL mouse model of CNS lupus. Arthritis & Rheumatism **60**, 1764-1774. <http://www.ncbi.nlm.nih.gov/pubmed/19479832>
40. Stanojcic M., Burstyn-Cohen T., Nashi N., Lemke G., & **Sakic B.** (2009). Disturbed distribution of proliferative brain cells during lupus-like disease. Brain Behavior & Immunity **23**, 1003-1013. <http://www.ncbi.nlm.nih.gov/pubmed/19501646>
41. **Sakic B.** (2009). A novel experimental approach in treating CNS lupus: kudos and kicks. Arthritis & Rheumatism **60**, 3531-3533. <http://www.ncbi.nlm.nih.gov/pubmed/19950267>
42. Williams S., **Sakic B.**, & Hoffman, S.A. (2010). Circulating brain-reactive autoantibodies and behavioral deficits in the MRL model of CNS lupus. Journal of Neuroimmunology **218**, 73-82. <http://www.ncbi.nlm.nih.gov/pubmed/19919882>
43. Stanojcic M., Loheswaran G., Xu L., Hoffman S.A., & **Sakic B.** (2010). Intrathecal antibodies and

brain damage in lupus-prone MRL mice. *Brain, Behavior & Immunity* **24**, 289-297.
<http://www.ncbi.nlm.nih.gov/pubmed/19853033>

44. Loheswaran G., Stanojcic M., Xu L., & **Sakic B.** (2010). Autoimmunity as a principal pathogenic factor in refined model of neuropsychiatric lupus. *Clinical & Experimental Neuroimmunology* **1**, 141-152. <https://doi.org/10.1111/j.1759-1961.2010.00014.x>
45. Kapadia M. & **Sakic B.** (2011). Autoimmune and Inflammatory Mechanisms of CNS Damage. *Progress in Neurobiology* **95**, 301-333. <http://www.ncbi.nlm.nih.gov/pubmed/21889967>
46. **Sakic B.** (2012). "The MRL model: an indispensable preparation in studies of autoimmunity – brain interactions (section 14). In: "Psychoneuroimmunology: Methods and Protocols." Yan, Qing (Ed.) Series: Methods in Molecular Biology, Vol. 934, p277-299 *Springer USA*.
<http://www.ncbi.nlm.nih.gov/pubmed/22933151>
47. Peery HE., Day GS., Dunn S, De Souza C., Doja A., Mossman K, Fritzler MJ., Resch L., Xia C., **Sakic B.**, Belbeck L., Foster WG. (2012). Anti-NMDA Receptor Encephalitis: The disorder, the diagnosis and immunobiology. *Autoimmunity Reviews* **12**, 863-872.
<http://www.ncbi.nlm.nih.gov/pubmed/22440397>
48. Marcinko K., Parsons T., Sled J.G., and **Sakic B.** (2012). Effects of prolonged treatment with memantine in the MRL model of CNS lupus. *Clinical & Experimental Neuroimmunology* **3**, 116-128. <http://www.ncbi.nlm.nih.gov/pubmed/23554849>
49. Kapadia M., Stanojcic M., Earls E.A., Pulapaka S., Lee J., Sakic B. (2012). Altered olfactory function in the MRL model of CNS lupus. *Behavioral Brain Research* **234**, 303-311.
<http://www.ncbi.nlm.nih.gov/pubmed/22796602>
50. Friebe A., Bruenahl C, Karimi K., Schaefer M., Juckel G., **Sakic B.**, and Arck P. (2013). Effects of complete vagotomy and blockage of cell adhesion molecules on Interferon-alpha induced behavioral changes in mice. *Behavioral Brain Research* **210**, 1-10.
<http://www.ncbi.nlm.nih.gov/pubmed/23178534>
51. Loheswaran G., Kapadia M., Gladman M., Pulapaka S., Xu L., Stanojcic M., & Sakic B. (2013). Altered neuroendocrine status at the onset of CNS lupus-like disease. *Brain Behavior & Immunity* **32**, 86-93. <http://www.ncbi.nlm.nih.gov/pubmed/23466502>
52. Marchese M., Cowan D., Head E., Ma D., Karimi K., Ashthorpe V., Kapadia M., Zhao K., Davis P., & **Sakic B.** (2014). Autoimmune manifestations in the model of Alzheimer's disease. *Journal of Alzheimer's Disease* **39** (1), 191-210. <http://www.ncbi.nlm.nih.gov/pubmed/24150111>
53. Kapadia M., Zhao H., Ma D., Hatkar R., Marchese M. & **Sakic B.** (2014). Zoopharmacognosy in diseased laboratory mice: conflicting evidence. *PLoS One* **9** (6), doi: 10.1371/journal.pone.0100684.
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56. Kapadia M., Zhao H., Ma D. & **Sakic B.** (2017). Sustained immunosuppression alters olfactory function in the MRL model of CNS lupus. *Journal of Neuroimmune Pharmacology* **12**(3), 555-564, doi: 10.1007/s11481-017-9745-6. <https://www.ncbi.nlm.nih.gov/pubmed/28401431>
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Contribution to Books:

64. Denburg J.A, Denburg S.D, Carbotte R., **Sakic B.** & Szechtman H. (1999). Brain, Behavior and Lupus. In: *The Decade of Autoimmunity*, Y. Shoenfeld. (Ed.), Elsevier Science B.V., 119-125.
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Journal Abstracts - Peer Reviewed:

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2. **Sakic B.**, Szechtman H. & Denburg J.A. (1992). Behavioral dysfunction correlates with the onset of autoimmunity in MRL-lpr mice. Arthritis & Rheumatism **35** (9), S355.
3. Denburg J.A., Denburg S.D., Carbotte R.M., **Sakic B.** & Szechtman H. (1995). Immune and inflammatory mechanisms in CNS lupus: rationale for therapy. Lupus **4**, (Supp. 2), p51.
4. Szechtman H., Denburg J.A. & **Sakic B.** (1995). Neurobehavioral dysfunction in lupus-prone MRL mice. Lupus **4**, (Supp. 2), p52.
5. **Sakic B.**, Szechtman H. & Denburg J.A. (1995). Depressive-like behaviour in an animal model of lupus. Lupus **4**, (Supp. 2), p76.
6. **Sakic B.**, Whishaw I., Kolb B., Denburg J.A., & Szechtman H. (1998). Impaired spontaneous alternation behavior in autoimmune MRL-lpr mice: relationship to hippocampal damage and cyclophosphamide treatment. Neuroimmunomodulation **5**, p43.
7. **Sakic B.**, Szechtman H., Gauldie J. & Denburg JA. (1999). Behavioral effects of infection with IL-6 adenovirus, Neuroimmunomodulation **6**, p246.
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10. Chun S., McEvilly R. & **Sakic B.** (2004). Quinpirole-induced self-injurious behaviour in autoimmune mice. J Neuroimmunology **154**, 1-2, p139.

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12. Denburg J.A., Sidor M.M., Cyr M.M., Ballok D., Doering L., Szechtman H., & **Sakic B.** (2004). Mechanisms of neuronal damage in SLE and APLS: Therapeutic implications. Thrombosis Research **114** (5-6), p630.
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14. Loheswaran G., Stanojcic M. & **Sakic B.** (2009). The refined model of CNS lupus. Biological Psychiatry **65**(8), p 69S-70S, Suppl. S.
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16. Xu L., Stanojcic M., Loheswaran G., & **Sakic B.** (2009). Olfactory function and neurogenesis in the MRL model of neuropsychiatric lupus. Biological Psychiatry **65**(8), p70S-70S, Suppl. S.
17. Parsons T., Hagen E., Xu L., **Sakic B.**, & Arck P. (2010). Autoimmunity, skin morphology and hair cycling in a mouse model of Systemic Lupus Erythematosus. Journal of Investigative Dermatology **130**, S106-S106, Suppl. 1.
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19. Marchese M., Cowan D., Karimi K., Ashthorpe V., Head E., Ma D., Zhao H., Davis P., Kapadia M., & **Sakic B.** (2013). Immunological dysfunction and MCI-like behavior in the 3xTgAD mice. Alzheimer's & Dementia. Vol. 9(4), Supp., p P161.
20. Ma D., Song W., Kapadia M., Fahnestock M., & **Sakic B.** (2020). Age-Dependent Synthesis of Diverse Autoantibodies in the 3xTg-AD Model of Alzheimer's Disease. Journal of Immunology **204**. (1_Supplement): 64.5. <https://doi.org/10.4049/jimmunol.204.Supp.64.5>

Presentations:

Contributed:

1. **Sakic B.**, Szechtman H., Denburg J.A., Keffer M. & Talangbayan H. (1990). Behavioral differences in MRL-lpr mice at an early stage of autoimmunity. American College of Rheumatology 54th Annual Meeting, Seattle (USA).
2. **Sakic B.**, Szechtman H., & Denburg S. (1992). The MRL-lpr mouse: a model for neuropsychiatric SLE, The 3rd International Congress on SLE, London (UK).
3. **Sakic B.**, Szechtman H., Denburg S., Carbotte R. & Denburg J.A. (1993). Emotionality in lupus-prone mice: relationships to autoimmunity. Annual Research Day, Dept. of Biomedical Sciences,

McMaster University.

4. **Sakic B.**, Szechtman H., Talangbayan H., & Denburg J.A. (1994). Beneficial effect of immunosuppressive treatment on disturbed behaviours in autoimmune MRL-lpr mice. Annual Meeting of the Southern Ontario Neuroscience Association, London, Ontario.
5. **Sakic B.**, Szechtman H. & Denburg J.A (1995). Depressive-like behavior in an animal model of autoimmune disease. Annual Research Day, Dept. of Biomedical Sciences, McMaster University.
7. **Sakic B.**, Szechtman H., Talangbayan H., Denburg S., Carbotte R. & Denburg J.A. (1993). Enhanced emotionality in autoimmune MRL-lpr mice. Soc. Neurosci. Abstr **19**, 505.
8. **Sakic B.**, Szechtman H. & Denburg J.A. (1994). Immunosuppressive treatment restores exploratory behaviour in autoimmune MRL-lpr mice. Soc. Neurosci. Abstr. **20**, 947.
9. **Sakic B.**, Szechtman H. & Denburg J.A. (1995). Depressive-like behaviour and interleukin-6 during autoimmune disease. Soc. Neurosci. Abstr. **21**, 1396.
10. **Sakic B.**, Szechtman H. & Denburg J.A. (1996). Interleukin-6-induced Anhedonia. Annual Meeting of the PsychoNeuroImmunology Research Society, Santa Monica, CA.
11. **Sakic B.**, Gurunlian L., Denburg J.A. & Szechtman H. (1996). Impaired fighting behavior in autoimmune MRL-lpr males. Soc. Neurosci. Abst. **22**, 1353.
12. **Sakic B.**, Szechtman H. & Denburg J.A. (1997). Differential behavioral response in autoimmune mice to serotonergic and dopaminergic modulators. Soc.Neurosci.Abst. **23**, 995.
13. **Sakic B.**, Whishaw I.Q., Kolb B., Gorny G., Denburg J.A. & Szechtman, H. (1998). Autoimmunity- induced neurodegeneration and behavioral dysfunction. Soc.Neurosci.Abst. **24**, 1856.
14. Denburg J.A., Denburg S.D., **Sakic B.** & Szechtman H. (1998). Behavior in lupus mice: lessons for human CNS lupus. Lupus World **1** (1), 1.
15. **Sakic B.** (1999). Increased apoptosis in brains of autoimmune Fas-deficient mice, Annual Meeting of the International Society for NeuroImmunoModulation, Lugano, Switzerland (selected oral presentation).
16. **Sakic B.** (1999). Towards an Animal Model for the Autoimmune Theory of Mental Disorders. 5th Symposium on Neurovirology and Neuroimmunology of Schizophrenia and Bipolar Disorder, Stanley Foundation, Bethesda (oral presentation).
17. Millward J.M., Szechtman H., Denburg J.A. & **Sakic B.** (2001). Neuro- and immunopathological correlates of behavioural dysfunction in lupus-prone mice. Annual Meeting of the PsychoNeuroImmunology Research Society, Utrecht (Netherlands).
18. Kwant A., Szechtman H., Denburg J.A. & **Sakic B.** (2001). Behavioral effects of infection with

IFN- gamma adenovirus. Annual Meeting of the PsychoNeuroImmunology Research Society, Utrecht, (Netherlands).

19. **Sakic B.**, Millward J.M., Szechtman H. & Denburg J.A. (2001). Neurotoxic properties of the cerebrospinal fluid from autoimmune mice. Annual Meeting of the PsychoNeuroImmunology Research Society, Utrecht, The Netherlands.
20. **Sakic B.**, Millward J.M., Kolb B., Whishaw I.Q., Maric D., Denburg J.A. & Szechtman H. (2001). Markers of brain degeneration in autoimmune disease. Soc.Neurosci.Abst. 659.1.
21. **Sakic B.**, Ballok D.A., Kirkham D.L., Mwanjewe J., Macri J., Fearon I.M., & Doering L. (2002). Brain stem cells as the target of toxic cerebrospinal fluid in autoimmune disease. Soc.Neurosci.Abst. 415.8.
22. Ballok D.A. & **Sakic B.**, Neurodegeneration in autoimmune mice as revealed by Fluoro Jade B (2002). Soc.Neurosci.Abst. 93.15.
23. **Sakic B.** (2002). Neurodegeneration in autoimmune, lupus-prone mice. Lupus Canada Bull. 9 (1), 11-12.
24. Cyr M., **Sakic B.** & Denburg J.A. (2003). Neural stem cell cytotoxic activity in cerebrospinal fluid from a patient with end-stage neuropsychiatric systemic lupus erythematosus. J. Allergy & Clin. Immunol 111 (2), S318.
25. **Sakic B.**, Ballok D.A., Kirkham D.L., Mwanjewe J., Macri J., Fearon I.M., van Adel B., Sur M. & Doering L. (2003). CNS stem cells as a target in systemic autoimmune disease, Annual IBRO meeting, Prague, Czech Republic, poster 4361.
26. Ballok DA, Lau J., Kirkham D.L. & **Sakic B.** (2003). Brain degeneration and cerebrospinal fluid toxicity in systemic autoimmune disease. Annual IBRO meeting, Prague, Czech Republic, poster 4357.
27. Earls A., Szechtman H. & **Sakic B.** (2003). Changes in social behaviour and oxytocin/vasopressin system along the development of systemic autoimmune disease. Soc.Neurosci.Abst. 104.19.
28. **Sakic B.**, Safdar A., Sidor M., Stojanovic Lj., Popovic D., & Smiljanic D. (2004). A 54-KDa protein in CSF from lupus-prone mice and NP-SLE patients. 7th International Congress on SLE and Related Conditions. May 9-13, New York, NY.
29. Ballok D.A., Sur M, & **Sakic B.** (2004). Comparing brain damage in a human and mouse form of systemic autoimmune disease lupus erythematosus. 93rd Annual meeting of US and Canadian Academy of Pathology (USCAP), Vancouver, p150, poster # 169.
30. **Sakic B.** (2004). Pathogenic mechanisms of brain damage in systemic autoimmune disease: an update. Annual meeting of the Society for Neuroscience, San Diego, California (Session Number: 571.12, poster ZZ20).
31. Hoffman S.A. & **Sakic B** (2006). Brain reactive autoantibodies and behavior. Program No.

- 287.22. Abstracts Viewer/Itinerary Planner. Society for Neuroscience Meeting, Atlanta (USA).
32. **Sakic B** (2007). Putative mechanisms of brain damage in an animal model of NP-SLE. The 8th International Congress on SLE (PO234), Shanghai (China).
 33. Sled J.G, Spring1S., Lerch J.P., **Sakic B.** (2007). Systemic brain atrophy shown by MRI in a mouse model of lupus. Annual meeting of the Society for Neuroscience, San Diego, California.
 34. Williams S., **Sakic B.**, Hoffman S. (2007). Role of brain-reactive autoantibodies in functional CNS damage during lupus-like disease (poster 496). Annual meeting of the Society for Neuroscience, San Diego, California.
 35. **Sakic B.** (2008). The use of integrated behavioral station in chronic behavioral studies. Measuring Behavior conference, Maastricht, The Netherlands.
 36. **Sakic B.** (2008). The Time for ImmunoPsychiatry? XIV World Conference of Psychiatry, Prague, Czech Republic.
 37. Xu L., Stanojcic M., Loheswaran G., & **Sakic B.** (2009). Olfactory function and neurogenesis in the MRL model of neuropsychiatric lupus. Society of Biological Psychiatry Annual Meeting, Vancouver, Canada.
 38. Loheswaran G., Kapadia M. & **Sakic B.** (2010). The time-course of behavioral, neuropathological and endocrine changes in a refined model of CNS lupus. Annual meeting of the Society for Neuroscience, San Diego, California.
 39. Kapadia M. & **Sakic B.** (2011). Olfactory dysfunction in a model of CNS lupus. Annual meeting of the Society for Neuroscience, Washington DC.
 40. Immunological dysfunction and MCI-like behaviour in the 3xTgAD mice. Marchese M., Cowan D., Karimi K., Ashthorpe V., Head E., Ma D., Zhao H., Davis P., Kapadia M., **Sakic B.** Alzheimer's Association International Conference, Boston, USA July 13-18, 2013.
 41. Szechtman H., Jung T., Jung P., Raveendran L., Farbod, Y., Dvorkin-Gheva A., **Sakic B.**, & Surette M. G. (2016). Changes in behavior and gut microbiome induced by chronic treatment with the dopamine agonist quinpirole. Program No. 290.01. 2016 Neuroscience Meeting Planner, San Diego, CA: Society for Neuroscience, Nov 14, 2016. Online
 42. Szechtman H., Jung T., Jung P., Raveendran L., Farbod Y., **Sakic B.**, Dvorkin-Gheva A., & Surette M. Changes in gut microbiome during development of behavioral sensitization to the dopamine agonist quinpirole. Abstracts of the International Behavioral Neuroscience Society, Vol. 25, June 2016. Budapest, Hungary, June 7-11, 2016.
 43. Sakic B., Telling J., Forsythe P., Kapadia M., Ma D., & Fahnstock M. Systemic autoimmunity: a sex- specific protective mechanism at the onset of ad-like disease. The 13th International Conference on Alzheimer's & Parkinson's Disease (Abstract ADPD7-1706), Vienna, Austria, March 29-April 2, 2017.

Invited speaker:

1. **Sakic B.** (April 5, 1993). Can the brain be attacked in autoimmune disease: some evidence from an animal model, Lunch-time Seminar Series, Dept. of Biomedical Sciences, McMaster University.
2. **Sakic B.** (December 1, 1995). Autoimmunity and abnormal behaviour, Allergy-Immunology Rounds, Dept. of Medicine, McMaster University.
3. **Sakic B.** (April 28, 1997). Autoimmunity and abnormal behaviour: evidence from lupus mice and implications for the study of depression and schizophrenia, Lunch-time Seminar Series, Dept. of Biomedical Sciences, McMaster University.
4. **Sakic B.** (March 6, 1998). Behavioral dysfunction in autoimmune mice: implications in testing the immune theory of mental disorders, Allergy-Immunology Rounds, Dept. of Medicine, McMaster University.
5. **Sakic B.** (May 31, 2000). Neurodegeneration and autoimmune disease. Allergy-Immunology Rounds, Dept. of Medicine, McMaster University.
6. **Sakic B.** (May 18, 2000). Autoimmunity and Neuropsychiatric Disorders. 1st Canadian Symposium on Neuroimmune Biology, Winnipeg, Manitoba.
7. **Sakic B.** (May 20, 2000). Immune system and aberrant behavior, University of Lethbridge, Alberta.
8. **Sakic B.** (Nov. 2000). Autoimmunity, behavioral dysfunction and neurodegeneration. Neuroscience Lecture Series. Centre for Addiction and Mental Health, Toronto.
9. **Sakic B.** (April 2001). Neurodegeneration and behavioral dysfunction as consequences of systemic autoimmunity: implications for the immune theory of mental disorders. Natural Resource Sciences, Ottawa.
10. **Sakic B.** (May 24, 2001). Immune theory of mental disorders: what we have learned from autoimmune mice? P.K.Anokhin Institute of Normal Physiology, Russian Academy of Medical Science, Moscow.
11. **Sakic B.** (Sept 9, 2001). Brain dysfunction in lupus. Hamilton Lupus Society, Hamilton.
12. **Sakic B.** (Oct. 19, 2001). Brain degeneration induced by systemic autoimmune disease, Allergy-Immunology Rounds, Dept. of Medicine, McMaster University.
13. **Sakic B.** (Oct. 22, 2001). Neurodegeneration and behavioral dysfunction as consequences of systemic autoimmunity. Arizona State University, Tempe.
14. **Sakic B.** (Mar. 13, 2002). Systemic autoimmunity as a factor in etiology of behavioral dysfunction. Psychiatry Rounds, McMaster University.
15. **Sakic B.** (Apr. 11, 2002). From Z to A: The Path of a Scientist. The Graduate Programs in Health Sciences (Careers Night), McMaster University.
16. **Sakic B.** (Apr. 20, 2002). An animal model of NP-SLE. Lupus Canada Symposium, Niagara Falls.

17. **Sakic B.** (June 20, 2002). Cytokine-induced changes in behavior in systemic autoimmune disease. Annual Meeting of International Behavioral Neuroscience Society, Capri, Italy.
18. **Sakic B.** (March 10, 2003). Autoantibodies to neural stem cells: a new factor in etiology of mental illness? York University, Toronto.
19. **Sakic B.** (March 22, 2003). Neuropathology and aberrant behavior induced by systemic autoimmunity: implications for the immunological theory of autism. The Jonty Foundation, Newark, USA.
20. **Sakic B.** (April 8, 2003). Animal model of CNS-SLE. Rogaland Central Hospital, Stavanger, Norway.
21. **Sakic B.** (April 13, 2003). Choroid plexus as a key site in brain degeneration induced by systemic autoimmunity. King's College, London, UK.
22. **Sakic B.** (June 18, 2003). Immunological theory of mental disorders: evidence from an animal model of neuropsychiatric lupus. Institute for Neurology, University of Belgrade, Belgrade, Yugoslavia.
23. **Sakic B., Denburg J.A. & Szechtman H.** (2003). Central nervous system lupus: studies of brain growth and repair. Lupus World 4 (2), 1.
24. **Sakic B.** (March 26, 2004). Brain damage in systemic autoimmune disease: focus on brain-reactive autoantibodies. Immunology Rounds, McMaster University.
25. **Sakic B.** (April 13, 2006). Autoimmunity and mental dysfunction: lessons from lupus. St. Joseph's Hospital, Hamilton.
26. **Sakic B.** (January 25, 2008). The CNS Lupus: Novel Pathogenic Mechanisms Revealed in an Animal Model. Allergy and Immunology Rounds, McMaster University.
27. **Sakic B.** (March 19, 2008). Brain atrophy and behavioral dysfunction in systemic autoimmune disease. The Grand Rounds (Dept. of Psychiatry). St. Joseph's Healthcare.
28. **Sakic B.** (April 8, 2008). Animal models of neuropsychiatric lupus. Kirkland Conference (Hospital for Special Surgery, New York City).
29. **Sakic B.** (February 4, 2009). ImmunoPsychiatry from the prospective of neuropsychiatric lupus. The Grand Rounds (Dept. of Psychiatry). St. Joseph's Healthcare.
30. **Sakic B.** (September 17, 2009). Brain-reactive autoantibodies: lessons from an animal model of systemic lupus. The 5th Conference of the Autoantibody Network. Toronto, Canada.
31. **Sakic B.** (March 23, 2010). PsychoneuroImmunology: The Body-Mind Connection. Integrative Physiology seminar, McMaster University, Biology Department series, Hamilton. Canada.

32. **Sakic B.** (May 5, 2010). The refined model of CNS lupus. 7th International Congress on Autoimmunity Ljubljana, Slovenia.
33. **Sakic B.** (September 22, 2011). Brain-Reactive Antibodies in an Animal Model of Neuropsychiatric Lupus. The 7th Conference of the Autoantibody Network. Toronto, Canada.
34. **Sakic B.** (June 5, 2012). Systemic autoimmunity, inflammation and brain dysfunction. The Canadian Celiac Association, Hamilton, Ontario.
35. **Sakic B.** (June 23-July 1, 2012). Invited faculty at The Neuroscience School of Advanced Studies. San Quirico d'Orcia, Italy.
36. **Sakic B.** (September 27, 2012). Autoimmunity and Neuroimmunology. The 7th Conference of the Autoantibody Network. Toronto, Canada.
37. **Sakic B.** (April 2, 2014). Role of brain-reactive autoantibodies in etiology of mental disorders. Wessex Immunology Group, Southampton, UK.
38. **Sakic B.** (June 16, 2014). Sistemska autoimunost u etiologiji neuropsihijatrijskih obolenja. Institute for Biological Investigations. University of Belgrade, Serbia.
39. **Sakic B.** (October 8, 2015). Autoimmune Phenomena in the Etiology of Alzheimer's Disease. The 9th Conference of the Autoantibody Network. Port Credit, Canada.
40. **Sakic B.** (October 5, 2018). Autoimmunity in Alzheimer's Disease. The 12th Conference of the Autoantibody Network. Niagara Falls, Canada.
41. **Sakic B.** (July 24-30, 2023). Main lecturer at the International Society for Neurochemistry course, Petnica, Serbia. <https://sites.google.com/bio.bg.ac.rs/neurochem2023/lectures>