

ABSTRACTS AND INVITED PRESENTATIONS

1. Christine Petersen and Margaret Sonnenfeld. "Skateboards, Roundabouts & Blood" - An Investigative Case Study of Human ABO Blood Types: Does a CSI Context Improve Learning and Engagement? Association for Biology Laboratory Education 2022. Abstract submitted
2. Morozova, T. Sedaghat, Y., Sun, X, and Sonnenfeld, M.J. 2007. Co-dependence of Trachealess/Tango and Jing transcription factors controls *Drosophila* FGFR (*breathless*) expression. CanFly Montreal PQ. June 18-22, 2007.
3. Lunde, H., Sun, X. and Sonnenfeld, M.J. 2007. Jing Interacting Gene Regulatory-1 (JIGR1) controls embryonic tracheal and CNS development. CanFly Montreal PQ. June 18-22, 2007.
4. Dawood, M., Tuana, B. and Sonnenfeld, M. J. 2007. The *Drosophila* Sarcolemmal Membrane Associated Protein (*DSL*MAP) Regulates Robo/DRac1-Mediated Repulsion of CNS Glia and Pioneer Axons from the CNS Midline. CanFly Montreal PQ. June 18-22, 2007.
5. Sun, X. and Sonnenfeld, M. J. 2007. Characterization of the mechanism of the human swi/snf homolog, *DATR-X*, during *Drosophila* embryogenesis. CanFly Montreal PQ. June 18-22, 2007.
6. Sun, X, Morozova, T. and Sonnenfeld J*. 2006. Glial and Neuronal functions of the *Drosophila* homolog of the human swi/snf gene, *ATR-X (DATR-X)* and the *jing* zinc finger gene specify the lateral positioning of longitudinal glia and axons. 11th European *Drosophila* Neurobiology Conference. Leuven, Belgium, Sept 2-6. *Presenter.
7. Sun, X, Morozova, T. and Sonnenfeld J. 2005. The *Drosophila* homologue of the human swi/snf chromatin remodelling gene, *DATR-X*, is required for Robo-mediated axon guidance and genetically interacts with the *jing* zinc finger gene. Neurobiology of *Drosophila*, Oct. 6-11, 1999 Cold Spring Harbour, New York.
8. Sonnenfeld, M.J. April 12. 2005. Transcriptional control of CNS midline and tracheal tubule formation by the *Drosophila jing* zinc finger transcription factor. Carleton University, Biology Dept. Ottawa. Invited seminar.
9. Sonnenfeld, M.J. Jan. 2005. Transcriptional control of CNS midline and tracheal tubule formation by the *Drosophila jing* zinc finger transcription factor. Ottawa General Hospital Research Institute; Neurobiology Group. Ottawa. Invited Seminar.
10. Sonnenfeld, M.J. Nov. 2004. Analysis of *Drosophila* regulatory pathways identifies roles for homologues of human disease genes in the embryonic CNS. Dept. of Anatomy and Cell Biology. McGill University. Montreal, Quebec. Invited Lecture.
11. Sedaghat, Y. and Sonnenfeld, M. J. 2004. Molecular analysis of the *Drosophila jing* gene. 2nd Canadian Developmental Biology Conference Scientific Program, Banff, Alberta, April 1-3.
12. Sun, X., Meinerzhagen, I and Sonnenfeld, M. J. 2003. Targeted over-expression of *Shiberi(ts1)* mediates microtubule bundling in the *Drosophila* photoreceptor terminals. International Conference and Exhibition, Bionorth conference (organizer: Ottawa life sciences counsel) Nov. 5-7, Ottawa Ontario.
13. Delvecchio, C. and Sonnenfeld, M. J. 2003. Molecular analysis of the transcriptional properties of the *Drosophila tango* gene. International Conference and Exhibition, Bionorth conference (organizer: Ottawa life sciences counsel) Nov. 5-7, Ottawa Ontario.
14. Sedaghat, Y. and Sonnenfeld, M. J. 2002, Molecular genetic analysis of a novel zinc finger transcription factor, *rhum*, in the fruit fly. 44th Annual *Drosophila* Research Conference. March 5-9, 2003. Chicago Illinois, USA.
15. Sedaghat, Y. and Sonnenfeld, M. J. 2002, Molecular genetic analysis of a novel zinc finger transcription factor, *rhum*, in the fruit fly. International Conference and Exhibition,

- Bionorth conference (organizer: Ottawa life sciences counsel) Nov. 5-7, 2002. Ottawa Ontario.
16. Sonnenfeld, M. J. 2002. *Drosophila jing* is a zinc finger transcription factor essential for cellular differentiation and survival in the embryonic CNS midline and trachea. 1st Canadian Developmental Biology Conference Scientific Program, Mont-Tremblant, Quebec. April 4-7, 2002. Invited Slide presentation.
 17. Sedaghat, Y. and Sonnenfeld, M. J. 2002, Molecular genetic analysis of a novel zinc Finger transcription factor, *rhum*, in the fruit fly. 1st Canadian Developmental Biology Conference Scientific Program, Mont-Tremblant, Quebec. April 4-7, 2002. Recipient of the Cedarlane Laboratories poster award.
 18. Scanga, V. and Sonnenfeld, M. J. 2002 Allelic analysis reveals early morphogenetic role for the *Drosophila* paired repeat of the *tango* gene. 1st Canadian Developmental Biology Conference Scientific Program, Mont-Tremblant, Quebec. April 4-7, 2002.
 19. Sedaghat, Y. and Sonnenfeld, M. J. 2001, Molecular genetic analysis of a novel zinc finger transcription factor, *rhum*, in the fruit fly. 8th Annual Ottawa Life Sciences International Conference and Exhibition, Bionorth conference (organizer: Ottawa life sciences counsel) Nov. 5-7, 2001. Recipient of the 'Gold Award' for best Poster presentation.
 20. Trevor A. Flood, Luc A. Sabourin and Margaret Sonnenfeld. Identification of a Novel *Drosophila* Ste20-like Kinase Implicated in Axonal Guidance. 1st Canadian Developmental Biology Conference Scientific Program, Mont-Tremblant, Quebec. April 4-7, 2002.
 21. Sedaghat, Y. and Sonnenfeld, M. J. 2001. Molecular genetic analysis of *jing*, a C₂H₂ zinc finger transcription factor during central nervous system development. Abstract, Neurobiology of *Drosophila*, Cold Spring Harbour, New York.
 22. Sonnenfeld, M.J. 1998. Guest lecture. Identification and molecular genetic characterisation of the *jing* gene during embryonic CNS development. Neuroscience Research Institute, Ottawa.
 23. Sonnenfeld, M. J., 2000. Guest lecture. Identification and characterization of regulatory genes controlling embryonic CNS formation. University of McGill. Faculty of Medicine.
 24. Sonnenfeld, M. J., 1999. Guest lecture. Identification and characterization of regulatory genes controlling embryonic CNS formation. University of McGill, Dept. of Biology.
 25. Sonnenfeld, M.J., Miranda, W., Sedeghat, Y., Chenard, C.A., Stefanski, K., Crews, S.T., Identification and molecular genetic characterisation of the *Rhumba* gene. Neurobiology of *Drosophila*, Oct. 6-11, 1999 Cold Spring Harbour, New York.
 26. Sonnenfeld, M.J., Miranda, W., Sedeghat, Y., Chenard, C.A., Stefanski, K., Crews, S.T., Identification and molecular genetic characterisation of the *Rhumba* gene. 5th Canadian *Drosophila* Research Conference, June 11-13, 1999 St-Sauveur, Quebec.
 27. Sonnenfeld, M.J. 1998. Guest lecture. Identification and molecular genetic characterisation of the *Rhumba* gene. Loeb Research Institute, Ottawa.
 28. Sonnenfeld, M.J. 1998. Guest lecture. Identification and molecular genetic characterisation of the *Rhumba* gene. Neuroscience Research Institute, Ottawa.
 29. Sonnenfeld, M., Mosher, J., Ward, M., Stahl, S., Crews, S., The *tango* transcription factor controls development of the embryonic CNS and tracheal system. Neurobiology of *Drosophila*, Cold Spring Harbor, New York, Sept. 23-27, 1997. Poster Presentation.
 30. Sonnenfeld, M., Nystrom, J., Ward, M., Crews, S., Control of embryonic development by bHLH-PAS Heterodimers. 38th *Drosophila* Research Conference, Chicago, Illinois, April 16-20, 1997. Slide presentation.
 31. Sonnenfeld, M.J., Jacobs, J.R., Macrophages and microglia mediate removal and degradation of apoptotic neurons and glia from the embryonic nervous system. Molecular neurobiology of *Drosophila*. Cold Spring Harbor, New York, Oct. 6-10, 1995. Poster Presentation.
 32. Sonnenfeld, M.J., Jacobs, J.R., Mesectodermal cell fate analysis. Canadian meeting of *Drosophila* biologists. Quebec City, Quebec, 1997. Slide presentation.

33. Sonnenfeld, M., Jacobs, J.R. Mutations causing embryonic midline CNS fusion differentially affect individual mesectodermal lineages. 33rd *Drosophila* Research Conference, Philadelphia, March 11-15, 1992. slide presentation.
34. Warner, A. H., Sonnenfeld-Karcz, M. J., Characterization of multiple thiol protease inhibitors from embryos of the brine shrimp *Artemia* (abstract). Amer. Soc. Chemists, Federation Proceedings, 1991.