

D3S 2021

THE 2021 DOUGLAS SPECIAL SCIENTIFIC SYMPOSIA
LES SYMPOSIUMS SCIENTIFIQUES SPÉCIAUX DU DOUGLAS 2021

PROGRAM | PROGRAMME



**THURSDAYS MAY 13 & 27, JUNE 10
AND WEDNESDAY JUNE 23
11:00AM - 12:30PM**

***LES JEUDIS 13 ET 27 MAI, 10 JUIN
ET MERCREDI 23 JUIN
11H00 À 12H30***

Zoom ID: 872 4254 3672
Password | *Mot de passe* : 553472



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THURSDAY | MAY 13 JEUDI | 13 MAI

Chairperson: Pascale Ibrahim

❖ Long Talks / Longues présentations

Corticolimbic DCC gene co-expression networks predict impulsivity in children.

Jose Maria Restrepo, Zihan Wang, Irina Pokhvisneva, Sachin Patel, Michael J. Meaney, Patricia P. Silveira, Cecilia Flores.

Social support and coping strategies in the relationship between childhood maltreatment and major depressive disorder: A causal mediation analysis of a population-based longitudinal cohort.

Muzi Li, Kieran O'Donnell, Jean Caron, Yingying Su, Carl D'Arcy, Xiangfei Meng.

Dispositional mindfulness is associated with less amyloid, tau, and cognitive decline in preclinical Alzheimer's disease.

Cherie Strikwerda-Brown, Hazal Ozlen, Alexa Pichet Binette, Marianne Chapleau, Sylvia Villeneuve, PREVENT-AD Research Group.

❖ Short Talks / Courtes présentations

Profiling global circular RNA expression in human post-mortem brain of individuals with bipolar disorder.

Rixing Lin, Juan Pablo Lopez, Cristiana Cruceanu, Caroline Pierotti, Laura M. Fiori, Alessio Squassina, Caterina Chillotti, Christoph Dieterich, Nikolaos Mellios, Gustavo Turecki.

Structural Brain Correlates of Cognitive Function in Schizophrenia: A Meta-Analysis

Marianne Khalil, Philippine Hollander, Delphine Raucher-Chene, Martin Lepage, Katie M. Lavigne.

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❖ **Short Talks / Courtes présentations (cont'd)**

A history of child abuse associates with phosphatidylcholine dysregulation in the anterior cingulate cortex of depressed suicides.

Kelly Perlman, Raphaël Chouinard-Watkins, Arnaud Tanti, Giulia Cisbani, Massimiliano Orri, Gustavo Turecki, Richard P. Bazinet, Naguib Mechawar.

Behavioral phenotyping and reticular thalamus impairments in three transgenic mouse models of autism spectrum disorder .

Athanasios Markopoulos, Antonio Inserra, Danilo De Gregorio, Nahum Sonenberg, Gabriella Gobbi.

Expression based polygenic scores (ePRS) - A gene network perspective to capture individual differences in biological processes.

Barbara Barth, Euclides José de Mendonça Filho, Danusa Mar Arcego, Irina Pokhvisneva, Sachin Patel, Omar Khedr, Michael Meaney and Patricia Pelufo Silveira.

Susceptibility to chronic social defeat stress is associated with changes in egocentric representations of aggressors in the dorsal CA1.

Amanda Larosa, Xiong Long, Tian Rui Zhang, Alice S. Wong, Benjamin C.M. Fung, Tak Pan Wong.

The prevention of false positives during fMRI analysis based on network modelling.

Gabriel Desrosiers-Gregoire, Gabriel A. Devenyi, Joanes Grandjean, M. Mallar Chakravarty.

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THURSDAY | MAY 27 JEUDI | 27 MAI

Chairperson: Alice Morgunova

❖ **Long Talks / Longues présentations**

Perineuronal nets and microglia in the brains of depressed suicides.

Claudia Belliveau, Arnaud Tanti, Stéphanie Théberge, Refilwe Mpai, Ashley McFarquhar, Fanny Denux, Reza Rahimian, Maria Antonietta Davoli, Naguib Mechawar.

Synergistic antidepressant- and antipsychotic-like effects of CBD and LSD.

Antonio Inerra, Emily Grant, Gabriella Gobbi.

Variables associated with suicidality in patients entering opioid use disorder treatment.

Léonie Archambault, El Hadj Touré, Michel Perreault.

❖ **Short Talks / Courtes présentations**

Cerebral blood flow and clinical symptoms in schizophrenia.

Olivier Percie du Sert, Delphine Raucher-Chéné, Claudine Gauthier, Mallar Chakravarty, Martin Lepage.

Brain function, memory, and menopause.

Arielle Crestol, Sricharana Rajagopal, Abdelhalim Elshiekh, Lina Khayyat, Rosalie Young, Jamie Snytte, Sophia LoParco, Alicia Duval, Sivaniya Subramaniapillai, Stamatoula Pasvani, Maria Natasha Rajah.

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❖ **Short Talks / Courtes présentations (cont'd)**

Behavioral phenotyping of mice lacking the deubiquitinase USP2.
Shashank Srikanta, Katarina Stojkovic, Nicolas Cermakian.

Multivariate associations between cortical morphometry and dimensions of the adolescent psychosis spectrum.

Alyssa Dai, Gabriel A. Devenyi, Tyler M. Moore, Jakob Seidlitz, Theodore D. Satterthwaite, Mallar Chakravarty.

Maturational Trajectories of Pericortical Contrast in Typical Brain Development.

Stefan Drakulich*, Anne-Charlotte Thiffault*, Emily Olafson, Olivier Parent, Aurelie Labbe, Matthew D. Albaugh, Budhachandra Khundrakpam, Simon Ducharme, Alan Evans, Mallar M. Chakravarty, Sherif Karama. (*equal contribution)

Early life stress modifies fear-induced glutamatergic neurotransmission in the medial prefrontal cortex of juvenile rats.

Jiamin Song*, Luc Moquin, Hong Long, Silvana Verlezza, Alain Gratton, Claire-Dominique Walker*. (*equal contribution)

A Three-Factor Model Predicts Common Early Onset Psychiatric Disorders: Dopamine, Personality and Stress.

Maisha Iqbal, Sylvia Maria Leonarda Cox, Natalia Jaworska, Maria Tippler, Natalie Castellanos-Ryan, Sophie Parent, Alain Dagher, Frank Vitaro, Mara Brendgen, Michel Boivin, Robert O. Pihl, Sylvana M. Côté, Richard E. Tremblay, Jean R. Séguin, Marco Leyton.

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THURSDAY | JUNE 10 **JEUDI | 10 JUIN**

Chairperson: Barbara Barth

❖ Long Talks / Longues présentations

Severe Childhood Trauma Differentially Impacts Emotion Recognition in Males and Females with First-Episode Psychosis.

Danielle Penney, Marita Pruessner, Ashok K. Malla, Ridha Joobar, Martin Lepage.

How do momentary fluctuations in attention during episodic memory encoding impact task-evoked fMRI signal? Insights from the Montreal Attention at Encoding task.

Abdel Elshiekh, Sricharana Rajagopal, Stamatoula Pasvanis, Maria N. Rajah.

Human dorsolateral PFC synapse-enriched gene co-expression networks interact with prenatal adversity and predict childhood ADHD symptoms in different cohorts.

Marcio Bonesso Alves, Danusa Mar Arcego, Zihan Wang, Sachin Patel, Omar Khedr, Irina Pokhvisneva, Michael Meaney and Patricia Pelufo Silveira.

❖ Short Talks / Courtes présentations

Early life stress disrupts gut microbiota composition in mice during postnatal development.

J. Kasia Szyszkowicz, Ana Santos, Zoe Williams, Nicolas Cermakian, Marie-Claude Audet, Giamal N. Luheshi.

Role of circadian rhythms on the sleep of postmenopausal women.

Rafael Pérez-Medina-Carballo, Anastasi Kosmadopoulos, Philippe Boudreau, Manon Robert, Diane B. Boivin.

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❖ **Short Talks / Courtes présentations (cont'd)**

Extracellular Vesicles: A Potential Window into the Etiology of Major Depressive Disorder.

Pascal Ibrahim, Prakroothi Danthi, Jean-Francois Theroux, Corina Nagy, Gustavo Turecki.

Characterization of early maternal immune activation on brain and behavior during adolescence and early adulthood in mice.

Lani Cupo, Elisa Guma, Caitlin Fowler, Daniel Gallino, Kristie Mar, Masoumeh Dehghani, Gabriel A. Devenyi, Jamie Near, M. Mallar Chakravarty.

Sexually dimorphic effects of social defeat stress in adolescence.

Andrea Harée Pantoja-Urbán, Samuel Richer, Cecilia Flores.

5-HT_{2A}/AMPA hetero-receptor complexes as a potential target for treating psychiatric diseases.

Etienne Billard, Gabriella Gobbi, Terry Hébert.

Data-driven staging of genetic frontotemporal dementia using multi-modal MRI.

Jillian McCarthy, Yasser Iturria-Medina, Simon Ducharme.

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WEDNESDAY | JUNE 23 *MERCREDI | 23 JUIN*

Chairperson: Lilit Antonyan

❖ Long Talks / *Longues présentations*

Cerebellar and subcortical volumes are associated with neuropsychiatric symptoms in genetic frontotemporal dementia.

Aurélie Bussy, Jake Levy, Raihaan Patel, Lani Cupo, Gabriel A. Devenyi M. Mallar Chakravarty, Simon Ducharme.

Stress-Based Memory Updating as a Novel Intervention for Non-Treatment Seeking Smokers.

Alexandra Barnabe, Karine Gamache, João Vitor Paes de Mello de Camargo, Erin Allen-Flanagan, Mathilde Rioux, Jens Pruessner, Marco Leyton, Karim Nader.

The impact of post-mortem interval on the gut microbiome and mouse RNA expression along the gut-vagal-brain axis.

Sarah Barnett Burns, Laurence Messier, He Zhang, Kasia Szyszkowicz, Giamal Lushesi, Gustavo Turecki.

❖ Short Talks / *Courtes présentations*

Contributors to suicidal behaviors among people with psychosis: A Latent class analysis.

Bahram Armoon, Marie Josee Fleury.

Interaction between Circadian Disruption during Adolescence and a Genetic Risk Factor for Schizophrenia.

Marie-Ève Cloutier, Lalit Srivastava, Nicolas Cermakian.



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WEDNESDAY | JUNE 23 *MERCREDI | 23 JUIN*

❖ **Short Talks / Courtes présentations (cont'd)**

L'impulsivité est associée à une moindre utilisation des repères dans une tâche de navigation spatiale.

Kevin Cloutier-Guimond, Véronique D. Bohbot, Greg L. West, Neil Schmitzer-Torbert.

Perspectives of people with opioid use disorder on improving addiction treatments and services.

Élise Lachapelle, Léonie Archambault, Camille Blouin, Michel Perreault.

Variation in genetic biological sensitivity to context is associated with youth's temporal inflammatory profiles.

Euclides José de Mendonça Filho, Maeson S. Latsko, Michael J. Meaney, Patricia Pelufo Silveira.

Unique functional connectome fingerprints in aging and pre-symptomatic Alzheimer's disease.

Frédéric St-Onge, Alexa Pichet Binette, Cherie Strikwerda-Brown, Jordana Remz, Sylvia Villeneuve.



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ORGANIZING COMMITTEE / COMITÉ ORGANISATEUR

The Douglas Student Committee for Academic Life / *Le Comité étudiant pour la vie académique au Douglas*: Lilit Antonyan, Barbara Barth, Aashita Batra, Agnes Belkacem, Shanny Foo, Pascal Ibrahim, Xinyuan Li, Malosree Maitra, Alice Morgunova, Shashank Srikanta, Sydney Sue, Nicolas Cermakian

We are grateful to the researchers committing time to judge the talks for awards. / *Nous remercions les chercheurs donnant de leur temps pour évaluer les présentations pour les prix.*

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