











Peer-reviewed articles











- 📖 **Daneault, V.**, Dumont, M., Massé, É., Vandewalle, G., & Carrier, J. (2016). Light-sensitive brain pathways and Aging. *Journal of Physiological Anthropology*, 35(9), 1-12. Doi:10.1186/s40101-016-0091-9
- 📖 **Daneault, V.**, Hébert, M., Albouy, G., Doyon, J., Dumont, M., Carrier, J., & Vandewalle, G. (2014). Aging reduce the effect of light on non-visual cognitive brain functions. *SLEEP*, 37(1), 85-96.
- 📖 **Daneault, V.**, Vandewalle, G., Hébert, M., Teikari, P., Mure, L.S., Doyon, J., Gronfier, C., Cooper, H.M, Dumont, M., & Carrier, J. (2012). Does pupil constriction under blue and green monochromatic light exposure change with age? *Journal of biological rhythms*, 27(3), 257-264.
- 📖 Taylor, V., **Daneault, V.**, Grant, J. A., Scavone, G., Breton, E., Roffe-Vidal, S., Courtemanche, J., Lavarenne, A. S., Marrelec, G., Benali, H., & Beauregard, M. (2012). Impact of Mindfulness Training on the Default Mode Network during a Restful State. *Social cognitive and affective neuroscience*, 8(1):4-14.
- 📖 Vandewalle, G., Collignon, O., Hull, J.T., **Daneault, V.**, Albouy, G., Lepore, F., Doyon, J., Czeisler, C.A., Dumont, M., Lockley, S.W., & Carrier, J. (2013). Blue light modulates cognitive brain activity in blind individuals. *Journal of Cognitive Neuroscience*, 25(12), 2072-2085.
- 📖 Taylor, V., Grant, J.A., **Daneault, V.**, Breton, E., Roffe-Vidal, S., Scavone, G., Courtemanche, J., & Beauregard, M. (2011). The effects of mindfulness meditation on the neural correlates of emotional processing. *NeuroImage*, 57(4), 1524-1533.
- 📖 Vandewalle, G., Hébert, M., Beaulieu, C., Richard, L., **Daneault, V.**, Garon, M.-L., Leblanc, J., Grandjean, D., Maquet, P., Schwartz, S., Dumont, M., Doyon, J., & Carrier, J. (2011). Abnormal hypothalamic response to light in seasonal affective disorder. *Biological Psychiatry*, 70(10):954-961.











Book chapter






- 📖 **Daneault, V.**, Vandewalle, G., Najjar, R., Mongrain, V., Dumont, M., Hébert M., & Carrier, J. (2013). Age-related changes in circadian rhythms during adulthood. Chapter 292. *Encyclopedia of Sleep*, Elsevier, Academic Press; 1st Edition.

Conference presentation

-  **Daneault, V.**, Bernier, A., Dégeilh, F., Leblanc, E., Marzougui, N., Carrier, J., Beauchamp, M.H. (November, 2017). *Sleep duration and children's brain development*. Poster presented at the Ninth Biennial Pediatric Sleep Medicine Meeting, Florida, USA.
-  Van der Maren, S., Fulham-Léonard, V., Xavier Moderie, C., **Daneault, V.**, Paquet, J., & Dumont, M. (October, 2015). *Light Exposure before Bedtime in Individuals with Delayed Sleep Schedule*. The 10th Biannual Joint Meeting of the CNC/CIE Canadienne Commission Internationale de l'Éclairage and CIE/USA, Toronto, Canada.
-  **Daneault, V.**, Dumont, M., Vandewalle, G., & Carrier, J. (March, 2015). *Neuroimaging the aging brain: Impact of light on cognitive function*. Abstract published and oral presentation at International Symposium on Human Adaptation to Environment and Whole-body Coordination, Kobe, Japan. Invited Lecturer.
-  **Daneault, V.** (March, 2015). Brain, Light and Cognition. Fukuoka Kyushu University, Japan. Invited Lecturer.
-  **Daneault, V.**, Dumont, M., Hébert, M., Doyon, J., Vandewalle, G., & Carrier, J. (June, 2014). *Aging modulation of the impact of light on cognitive brain functions*. Abstract published and oral presentation at 26th Meeting of the Society of Light Treatment and Biological Rhythms (SLTBR), Vienna, Austria. Invited Lecturer.
-  Dickinson, P., Gonzalez-Castillo, J., Chang, C., Orban, P., Martin, N., **Daneault, V.**, Dansereau, C., Doyon, J., Bandettini, P., Carrier, J., & Bellec, P. (June, 2014). *Age-related dynamic functional connectivity states during sleep*. 20th Annual Meeting of the Organization for Human Brain Mapping (OHBM), Hamburg, Germany.
-  **Daneault, V.**, Martin, N., Orban, P., Dansereau, C., Godbout, J., Pouliot, P., Lesage, F., Lina, J.M., Doyon, J., Bellec, P., & Carrier, J. (March, 2014). *Functional Connectivity and Age-Related Changes in NREM sleep: A Connectome-Wide Association Study*. Poster presented at "Gordon Research Conferences" Galveston, Texas (USA).
-  **Daneault, V.**, Martin, N., Orban, P., Dansereau, C., Godbout, J., Pouliot, P., Lina, J.M., Doyon, J., Bellec, P., & Carrier, J. (June, 2013). *Age-related changes in functional connectivity in NREM2 sleep*. Abstract and oral presentation at Sleep 2013, 27th Annual Meeting of the Associated Professional Sleep Societies (APSS), Baltimore, Maryland (USA).
-  **Daneault, V.**, Orban, P., Martin, N., Dansereau, C., Godbout, J., Pouliot, P., Lina, J.M., Doyon, J., Bellec, P., & Carrier, J. (April, 2013). *Reorganization of functional brain connectivity across sleep stages in young individuals*. Abstract and oral presentation at the CERNEC 21th Scientific Day, Saint-Sauveur, Canada.
-  Carrier, J., Vandewalle, G., **Daneault, V.**, Hébert, M., Doyon, J., Gronfier, C., Cooper, H.M., & Dumont, M. (September, 2012). *Impact of light on non-visual responses in young and older subjects*. Abstract presented at 21st Congress of European Sleep Research Society (ESRS), Paris, France.

-  Vandewalle, G., Collignon, O., Hull, J.T., **Daneault, V.**, Albouy, G., Lepore, F., Doyon, J., Dumont, M., Lockley, S., & Carrier, J. (May, 2012). *Blue light rapidly modulates cognitive brain activity in blind humans lacking an outer retina*. Abstract presented at Society for Research on Biological Rhythms (SRBR) Meeting, Destin, Florida (USA).
-  **Daneault, V.**, Vandewalle, G., Hébert, M., Doyon, J., Gronfier, C., Cooper, H.M., Dumont, M., & Carrier, J. (May, 2012). *Aging affects the impact of light on non-visual cognitive brain responses but not pupillary constriction*. Abstract selected for an Oral Presentation at SRBR Meeting, Destin, Florida (USA).
-  **Daneault, V.**, Vandewalle, G., Hébert, M., Doyon, J., Gronfier, C., Cooper, H.M., Dumont, M., & Carrier, J. (May, 2012). *Viellissement et sensibilité non-visuelle à la lumière*. Oral Presentation at the 12th edition of « Journée de la Recherche de l'Hôpital du Sacré-Cœur de Montréal », Montreal, Canada.
-  **Daneault, V.**, Vandewalle, G., Dumont, M., & Carrier, J. (March, 2012). *Le système non-visuel chez l'être humain: lumière, œil et cerveau*. Abstract selected for an Oral Presentation at the 2th edition of the Colloque interdisciplinaire sur la nature humaine, Groupe d'Étude Interdisciplinaire sur la nature humaine (GEINH), Département d'Anthropologie, UdeM, Montreal, Canada.
-  **Daneault, V.**, Vandewalle, G., Hébert, M., Doyon, J., Dumont, M., & Carrier, J. (March, 2012). *Non-visual brain sensitivity to light in aging*. Abstract and poster presented at the CERNEC 20th Scientific Day, Saint-Sauveur, Canada.
-  **Daneault, V.**, Vandewalle, G., Hébert, M., Doyon, J., Dumont, M., & Carrier, J. (February, 2012). *Lower impact of blue light on non-visual brain functions in older subjects*. Abstract and poster will be presented at the 3rd annual chronobiology symposium "Center for Chronobiology (CCB) Symposium: From Cells to Clinic", UCSD, San Diego, California (USA).
-  **Daneault, V.**, Vandewalle, G., Teikari, P., Mure, L.S., Hébert, M., Gronfier, C., Cooper, H.M., Dumont, M., & Carrier, J. (February, 2012). *Does pupil constriction under blue and green monochromatic light exposure change with age?* Abstract and poster presented at the 3rd annual chronobiology symposium "CCB Symposium: From Cells to Clinic", UCSD, San Diego, California (USA).
-  **Daneault, V.**, Vandewalle, G., Hébert, M., Doyon, J., Gronfier, C., Cooper, H.M., Dumont, M., & Carrier, J. (November, 2011). *Sensibilité non-visuelle à la lumière en fonction de l'âge: de l'œil au cerveau*. Les Conférences-Nikon du Groupe de recherche en sciences de la vision de l'École d'Optométrie, UdeM, Montreal, Canada. Invited lecturer.
-  **Daneault, V.**, Vandewalle, G., Hébert, M., Doyon, J., Gronfier, C., Cooper, H.M., Dumont, M., & Carrier, J. (November, 2011). *Sensibilité cérébrale à la lumière en fonction de l'œil et du vieillissement*. Inter-Axes Seminary at HSCM, Invited lecturer.
-  **Daneault, V.**, Vandewalle G., Hébert, M., Doyon, J., Dumont, M., & Carrier, J. (July, 2011). *The impact of blue light on non-visual brain functions change with age*. Abstract and poster presented at 17th annual meeting of the Organization of Human Brain Mapping (HBM), Quebec, Canada.

-  Taylor, V., **Daneault, V.**, Grant, J., Scavone, G., Breton, E., Roffe-Vidal, S., Courtemanche, J., Lavarenne, A., & Beaugard, M. (July, 2011). *Impact of Mindfulness Meditation Training on the Default Mode Network during a Restful State*. Abstract and poster presented at the 17th Annual Meeting of The Organization for HBM, Quebec, Canada.
-  **Daneault, V.** Vandewalle, G., Hébert, M., Doyon, J., Gronfier, C., Cooper, H.M., Dumont, M., & Carrier, J. (July, 2011). *Light sensitivity measured by pupillometry and brain imaging in young and older subjects*. Oral presentation and abstract presented at the 23rd Annual meeting of Society for Light Treatment and Biological Rhythms (SLTBR), Montreal, Canada.
-  **Daneault, V.**, Vandewalle, G., Hébert, M., Doyon, J., Gronfier, C., Cooper, H.M., Dumont, M., & Carrier, J. (July, 2011). *Pupil light reflex in response to monochromatic light stimuli in younger and older subjects*. Poster presentation and abstract presented at the 23rd Annual meeting of Society for Light Treatment and Biological Rhythms (SLTBR), Montreal, Canada.
-  **Daneault, V.**, Vandewalle, G., Teikari, P., Mure, L.S., Hébert, M., Gronfier, C., Cooper, H.M., Dumont, M., & Carrier, J. (July, 2011). *Pupil light reflex in response to monochromatic light stimuli in younger and older subjects*. Abstract and poster presented at 23rd Annual meeting of Society for Light Treatment and Biological Rhythms (SLTBR), Montreal, Canada.
-  **Daneault, V.**, Vandewalle, G., Teikari, P., Mure, L.S., Hébert, M., Doyon, J., Gronfier, C., Cooper, H.M., Dumont, M., & Carrier, J. (June, 2011). *Effect of blue monochromatic light on non-visual functions in aging*. Oral presentation and abstract presented at the Symposium of circadian rhythms research in Canada, Montreal, Canada.
-  **Daneault, V.**, Vandewalle, G., Teikari, P., Mure, L.S., Hébert, M., Gronfier, C., Cooper, H.M., Dumont, M., & Carrier, J. (June, 2011). *Pupil light reflex in response to monochromatic light stimuli in younger and older subjects*. Abstract and poster presented at SLEEP 2011, 25th Anniversary Meeting of the Associated Professional Sleep Societies (APSS), Minneapolis, Minnesota (USA).
-  Vandewalle, G., **Daneault, V.**, Hébert, M., Doyon, J., Dumont, M., & Carrier, J. (June, 2011). *Aging affects the impact of light on non-visual cognitive brain functions*. Abstract and poster presented at SLEEP 25th Anniversary Meeting of the APSS, Minneapolis, Minnesota (USA).
-  **Daneault, V.**, Vandewalle, G., Teikari, P., Mure, L.S., Hébert, M., Doyon, J., Gronfier, C., Cooper, H.M., Dumont, M., & Carrier, J. (March, 2011). *Aging and effect of blue monochromatic light on non-visual functions*. Oral presentation and abstract presented at the CERNEC 19th Scientific Day, Saint-Sauveur, Canada.
-  Génier-Marchand, D., **Daneault, V.**, & Carrier, J. (March, 2011). *Impact des patrons habituels d'exposition lumineuse sur les effets non- visuels de la sensibilité cérébrale à la lumière*. Abstract presented at the « 6ième Journée scientifique annuelle, Faculté des arts et des sciences, Département de psychologie, Université de Montréal », Montreal, Canada.
-  Taylor, V., **Daneault, V.**, Grant, J., Scavone, G., Breton, E., Roffe-Vidal, S., Courtemanche, J., Lavarenne, A., & Beaugard, M. (March, 2011). *Impact of Mindfulness Meditation Training on the Default Mode Network during a Restful State*. Abstract and poster presented at the CERNEC 19th Scientific Day, Saint-Sauveur, Canada.

-  Taylor, V., **Daneault, V.**, Roffe-Vidal, S., Scavone, G., Grant, J., Courtemanche, J., Breton, E., Rainville, P., & Beauregard, M. (October, 2010). *Neural substrates of mindfulness meditation and emotion processing*. Abstract and poster presented at the 40th Annual Meeting of the Society for Neuroscience, San Diego, California (USA).
-  **Daneault, V.**, Hébert, M., Vandewalle, G., Cooper, H.M., Dumont, M., Gronfier, C., & Carrier, J. (September, 2010). *Mesure de la sensibilité circadienne à la lumière avec la pupillométrie: données préliminaires*. Abstract and poster presented at 42ème congrès de la SFC, La Colle sur loup, France.
-  Taylor, V., **Daneault, V.**, Roffe-Vidal, S., Grant, J., Courtemanche, J., Breton, E., Lavarenne, A., Rainville, P., & Beauregard, M. (March, 2010). *The effects of mindfulness on the processing of emotionally laden pictures: A functional magnetic resonance imaging study*. Abstract presented at the CERNEC 18th Scientific Day, Saint-Sauveur, Canada.
-  **Daneault, V.**, Beauregard, M., Mancini-Marie, A., Lepore, F., Guillemot, J.-P., & Pérusse, D. (2009). *Relationship between the severity of depressive symptoms and regional brain responses in children during a transient of sadness*. Neuroscience Meeting Planner, Chicago, Illinois (USA).
-  **Daneault, V.**, Pérusse, D., & Beauregard, M. (April, 2008). *Epidémiologie gènes-environnement des tendances envers l'anxiété de séparation et l'anxiété généralisée chez l'enfant de 8ans*. Abstract and poster presented at the CERNEC 17^e Scientific Day, Saint-Sauveur, Canada.