



PROGRAM – Friday, January 29 2021

9 h 00 – **Opening remarks from the Director of the VHRN**
9 h 05 **Michel Cayouette, PhD**

9 h 05 – **Plenary Speaker from Visual Impairment and Rehabilitation**
9 h 45 **Moderator: Walter Wittich, PhD**

Automated text simplification as a reading aid for low-vision individuals
Aurélie Calabrèse, PhD
Centre de Recherche Inria Sophia Antipolis – Méditerranée, Équipe
Projet Biovision, France

9 h 45 – 9 h 55 Break

9 h 55 – **Session 4: Oral Presentations**
10 h 35 **Moderator: Aaron Johnson, PhD**
Oral Presentations 9 to 12

10h 35 – 10 h 45 Break

10 h 45 – **Session 5: Oral Presentations**
11 h 30 **Moderator: Aaron Johnson, PhD**
Oral Presentations 13 to 16

11 h 30 – **Session 6: Poster Presentations**
14 h 00 « *Interactive Virtual Poster Session Platform* »
Posters « Common Infrastructures » (IF): 33-34
Posters 57 to 67

14 h 00 End of the presentations

16 h 00 **Prizes** (email)

Opening remarks, Plenary Speaker and Oral presentations: Zoom Platform (registration mandatory)

Interactive program + Interactive Virtual Poster Session Platform: Fourwaves (registration mandatory and log in required)



Detailed program

January 29 2021- Oral Presentations

Moderator: Aaron Johnson, PhD

Abstract

Session 4 : Oral Presentations		
9	9h55	Fractional anisotropy measurements along the visual pathway are correlated with visual evoked potentials in term asphyxiated neonates treated with hypothermia <u>Aliona Fezoua</u> , Suna Jung, Parissa Owji, Allison Dorfman, Pierre Lachapelle ¹ , Pia Wintermark
10	10h05	 A novel, non-invasive functional test to detect a reduction in light absorbed by photoreceptors <u>Maryam Rezaei</u> , Gerry Nour Chamaa, Clement Rodrigue, Judith Renaud, Remy Allard
11	10h15	Simulating dyslexia: A font study <u>Zoey Stark</u> , Leon Franzen, Vanessa Soldano, Aaron Johnson
12	10h25	 An allosteric interleukin-1 receptor modulator alleviates inflammation and photoreceptor death in a model of retinal degeneration <u>Rabah Dabouz</u> , Colin Cheng WH, Pénélope Abram, Samy Omri, Gael Cagnone, Khushnouma Virah Sawmy, Jean-Sébastien Joyal, Michel Desjarlais, Carlos José Rivera, Sylvain Chemtob
10h35-10h45 Break		
Session 5 : Oral Presentations		
13	10h45	Exploring the influence of reading medium on the braille performance outcomes of younger and older adults using a case series approach <u>Natalina Martiniello</u> , Walter Wittich
14	10h55	Évaluation du potentiel thérapeutique des cellules endothéliales cornéennes ayant maturées en présence de TGF- β <u>Kim Santerre</u> , Mathieu Thériault, Stéphanie Proulx
15	11h05	Metabolic shift to glycolysis leads to physiologic angiogenic revascularization <u>Sheetal Pundir</u> , Gael Cagnone, Emilie Heckel, Jin Sung Kim, Candace Yang, Jean-Sébastien Joyal
16	11h15	BCOR is a co-repressor of the retinal transcription factors OTX2/CRX associated with pediatric inherited retinal degeneration <u>Maeva Langouet</u> , Christine Jolicoeur, Pierre Mattar, Awais Javed, Robert Koenekoop, Michel Cayouette







Detailed program

January 29 2021- Poster Presentations

Abstract

Session 6 : Poster Presentations


Common Infrastructures Posters

<p>33-IF</p>		<p>A Retinal Image Database Containing Visual Function Measures for Research and Teaching Purposes Aaron Johnson, Caitlin Murphy, Michael Kapusta, William Seiple, Donald Fletcher, Ronald Schuchard, Julie-Andrée Marinier</p>
<p>34-IF</p>		<p>Tissus oculaires pour la recherche en vision Kim Santerre, Mathieu Thériault, Stéphanie Proulx</p>
<p>57</p>		<p>Determining optimal lighting conditions for reading in low vision Cynthia Addona, Elliott Morrice, Caitlin Murphy, Vanessa Soldano, Walter Wittich, Aaron Johnson</p>
<p>58</p>		<p>Les forces hydrodynamiques influencent la formation et le maintien des jonctions intercellulaires de l'endothélium cornéen Princia Anney, Mathieu Thériault, Stéphanie Proulx</p>
<p>59</p>		<p>Is there a real advantage in using 3D printing to produce tactile maps for blind individuals? Maxime Bleau, Natalina Martiniello, Joe Nemargut, Maurice Ptito</p>
<p>60</p>		<p>Importance des tryptophanes de la recoverine pour sa structure et son calcium-myristoyl switch Olivier Gosselin, Sarah Roy, Line Cantin, Christian Salesses</p>
<p>61</p>		<p>Fixation Stability: Does it affect posture and balance in vision impairment Sophie Hallot, Stephanie Pietrangelo, Caitlin Murphy, Michael Kapusta, Karen H. Li, Aaron Johnson</p>
<p>62</p>		<p>Ocular and cognitive metrics predict safe intersection crossings in a driving simulator Matthew Martin, Brandon Huard-Nicholls, Aaron Johnson</p>
<p>63</p>		<p>Drusen of Low Reflectivity and Cognitive Impairment Caitlin Murphy, Sophie Hallot, Stephanie Pietrangelo, Michael Kapusta, William Seiple, Aaron Johnson</p>



Abstract

Session 6 : Poster Presentations

64	Étude de portée : procédures de dépistage des symptômes dépressifs dans la population âgée atteinte de déficience visuelle <u>Aude Rouisse</u> , Frédéric Dombrowski, Renaud Judith, Caroline Faucher, Renaud Judith
65	 Validation of the International Reading Speed Texts in a Sample of Older (60+) Canadian Adults <u>Vanessa Soldano</u> , Elliott Morrice, Cynthia Addona, Caitlin Murphy, Aaron Johnson
66	Le Comité étudiant du RRSV / VHRN Student Committee <u>Sonia Anchouche</u> et Deborah Villafranca-Baughman