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## IN THE NEWS

Jessica Esseltine (PDF-Laird lab) had an image selected that made it to the top 20 of the StemCell technologies "stemcellfie" competition. Vote for her image on the StemCell technologies Facebook page.

As of September 1st Jessica Esseltine will be a tenure-tracked Assistant Professor of Cancer and Development in the Biomedical Sciences division of Memorial University of Newfoundland.

Julia Abitbol (PhD student-Laird lab) had a "first person interview" with the Journal of Cell Science for the publication "Mice harbouring an occulodentodigital dysplasia-linked Cx43 G60S mutation have severe hearing loss". <http://jcs.biologists.org/content/131/9/jcs219196>

## Dr. Marjorie Johnson

On June 30th, 2018 Dr. Marjorie Johnson will officially retire from Western University. Dr. Johnson recently received the "Chair's Award of Excellence" at the 44th annual research day for the Department Otolaryngology-head neck surgery, for outstanding contributions to their department in teaching and research collaborations.

Dr. Johnson has been instrumental during her tenure here and we would like to welcome everyone to attend our Celebration of Excellence on Tuesday June 26, 2018 where will celebrate not only the many accomplishments of Dr. Johnson but our department as a whole.

Please make sure to RSVP your attendance.

## Awards & Scholarships

Ornela Kljakic (Prado lab) was awarded the Ontario Medal for Young Volunteers and also received an Ontario Volunteer Service Award

Jamie Ching (MSc student-Laird lab) was awarded an NSERC scholarship

Kaela Scott and Niveen Fulcher (Schmid lab) each got a NSERC –PGSD, \$21,000 for 3 years

Salonee Patel (Schmid lab) got a DUROP, \$3,000

Did you hear???

Dr. Daniela Quail, an alumni of our graduate program (PhD) and now an Assistant Professor at McGill University, will be chairing a session at an AACR special conference next Friday, June 22nd.

### Plenary Session 7: Dormancy and Immune Evasion

Session Chairs: **Daniela F. Quail**, McGill University Goodman Cancer Center, Montreal, QC, Canada, and Frank Cackowski, University of Michigan, Ann Arbor, Michigan 8-10:15 a.m.

Link to the conference website: <http://www.aacr.org/Meetings/Pages/MeetingDetail.aspx?>

*Congratulations to  
Dr. Dale Laird  
for being awarded  
the  
Postdoctoral Supervisor  
of the Year.*



# Grant Success

## NSERC Discovery grants

**Dr. Vania Prado**, "Acetylcholine modulation of circuits important for motivation and goal directed behaviors" \$33,000/year for 5 years



**Dr. Nagalingam Rajakumar**, "Neurobiological Mechanisms Underlying Behavioural Flexibility: From Molecular Signalling to Brain Circuits" \$28,000/year for 5 years

**Dr. Susanne Schmid**, "Neuronal mechanisms underlying sensory filtering and multisensory integration" \$33,000/year for 5 years

**Dr. Shawn Whitehead**, "Complementary mass spectrometry based detection of gangliosides within the brain" \$29,000/year for 1 year

2018-2019 Simons Foundation for Autism research Initiative (SFARI), Explorer, PI: Susanne Schmid, co-PI: Brian Allman, Janis Candy, Ryan Stevenson "Sensory processing in ASD—a multi-level approach"  
Total: US \$69,000



2018-2019. Programmed death-ligand 1 expression on circulating tumors cells in advanced non-small cell lung cancer patients treated with checkpoint inhibitors. Jacques Rafael (PI) and **Alison Allan** (Co-I), AMOSO Opportunities Fund; \$32,500, .



## Conference Presentations & Awards

Dr. Dale Laird was awarded postdoctoral supervisor of the year

Dr. Marjorie Johnson received the "Chair's Award of Excellence" at the 44th Annual Research day for the Department Otolaryngology-head neck surgery, for outstanding contributions to their department in teaching and research collaborations

Ornela Kljajic (Prado lab) presented a poster at the Southern Ontario Neuroscience Association (SONA) Conference on May 4<sup>th</sup>

Mariyan Jeyarajah (Renaud lab) gave an oral presentation at the Southern Ontario Reproductive Biology conference in Guelph. Kelly Baines, Amanda Rampersaud, Gargi Jaju, and Amanda Rampersaud (Renaud lab) and Dr. Lala's students: Chidambra Halari and Pinki Nandi) all presented posters at this meeting.

Gargi Jaju (Renaud lab) attended an RNA-Seq workshop in Ottawa sponsored by the Ontario Institute of Regenerative Medicine.

Dr. Lala presented a seminar entitled " Cyclooxygenase-2 mediated breast cancer progression: EP4 as a therapeutic Target" at the RWG Murry Seminar series , Dept of Microbiology and Immunology, UWO on May 31, 2018

Faraj Haddad won a poster award at the London Health Research Day

Dr. Susanne Schmid gave a keynote talk at the Developmental Disability Research Day, University of Western Ontario (2018) Keynote: "Sensory processing and reactivity in autism" Invited by Rob Nicolson & Julio Trujillo Martinez

**Invited Speaker**, Dr. Alison Allan. Circulating tumor cell (CTC) analysis in preclinical models of cancer metastasis. 6th Annual International Molecular Diagnostics Europe Meeting, Lisbon, Portugal, May 23-24, 2018.

**Invited Roundtable Panel Member**, Dr. Alison Allan. Emerging Technologies for CTC Isolation and Analysis. 6th Annual International Molecular Diagnostics Europe Meeting, Lisbon, Portugal, May 23-24, 2018

# New Publications

## [Decellularized Adipose Tissue Scaffolds for Soft Tissue Regeneration and Adipose-Derived Stem/Stromal Cell Delivery.](#)

Morissette Martin P, Shridhar A, Yu C, Brown C, Flynn LE.  
Methods Mol Biol. 2018;1773:53-71. doi: 10.1007/978-1-4939-7799-4\_6.  
PMID:29687381

## [Fear Memory Recall Potentiates Opiate Reward Sensitivity through Dissociable Dopamine D1 versus D4 Receptor-Dependent Memory Mechanisms in the Prefrontal Cortex.](#)

Jing Li J, Szkudlarek H, Renard J, Hudson R, Rushlow W, Laviolette SR.  
J Neurosci. 2018 May 9;38(19):4543-4555. doi: 10.1523/JNEUROSCI.3113-17.2018. Epub 2018 Apr 23  
PMID:29686048

## [Adult-Onset Hearing Impairment Induces Layer-Specific Cortical Reorganization: Evidence of Crossmodal Plasticity and Central Gain Enhancement.](#)

Schormans AL, Typlt M, Allman BL.  
Cereb Cortex. 2018 Apr 13. doi: 10.1093/cercor/bhy067. [Epub ahead of print]  
PMID:29668848

## [Neuromuscular changes of the aged human hamstrings.](#)

Kirk EA, Gilmore KJ, Rice CL.  
J Neurophysiol. 2018 Apr 18. doi: 10.1152/jn.00794.2017. [Epub ahead of print]  
PMID:29668388

## [Mice harbouring an oculodentodigital dysplasia-linked Cx43 G60S mutation have severe hearing loss.](#)

Abitbol JM, Kelly JJ, Barr KJ, Allman BL, Laird DW.  
J Cell Sci. 2018 May 4;131(9). pii: jcs214635. doi: 10.1242/jcs.214635.  
PMID:29618634

## [Motor and Cognitive Trajectories Before Dementia: Results from Gait and Brain Study.](#)

Montero-Odasso M, Speechley M, Muir-Hunter SW, Sarquis-Adamson Y, Sposato LA, Hachinski V, Borrie M, Wells J, Black A, Sejdic E, Bherer L, Chertkow H; Canadian Gait and Cognition Network.  
J Am Geriatr Soc. 2018 Apr 2. doi: 10.1111/jgs.15341. [Epub ahead of print]  
PMID:29608780

## [Does progressive nuclear staining with hemalum \(alum hematoxylin\) involve DNA, and what is the nature of the dye-chromatin complex?](#)

Kiernan JA. Biotech Histochem. 2018;93(2):133-148. doi: 10.1080/10520295.2017.1399466. Epub 2018 Jan 11. Erratum in: [Biotech Histochem. 2018;93\(2\):1](#). PMID:29320873

## [Preclinical outcomes of Intratumoral Modulation Therapy for glioblastoma.](#)

Di Sebastiano AR, Deweyert A, Benoit S, Iredale E, Xu H, De Oliveira C, Wong E, Schmid S, Hebb MO.  
Sci Rep. 2018 May 8;8(1):7301. doi: 10.1038/s41598-018-25639-7. PMID:29740075

## [Circulating Tumor Cell Analysis in Preclinical Mouse Models of Metastasis.](#)

Kitz J, Lowes LE, Goodale D, **Allan AL**.  
Diagnostics (Basel). 2018 Apr 28;8(2). pii: E30. doi: 10.3390/diagnostics8020030. Review. PMID:29710776

## [Self-assembled amphiphilic zein-lactoferrin micelles for tumor targeted co-delivery of rapamycin and wogonin to breast cancer.](#)

Sabra SA, Elzoghby AO, Sheweita SA, Haroun M, Helmy MW, Eldemellawy MA, Xia Y, Goodale D, Allan AL, Rohani S.  
Eur J Pharm Biopharm. 2018 Jul;128:156-169. doi: 10.1016/j.ejpb.2018.04.023. Epub 2018 Apr 22.

Pinki Nandi, Hyobin Lim, Eloy Jose Torres-Garcia and Peeyush K Lala , "Human trophoblast stem cell self-renewal and differentiation: regulation by decorin". Scientific Reports, in press May 2018

## [Activation of cancer-associated fibroblasts is required for tumor neovascularization in a murine model of melanoma.](#)

Hutchenreuther J, Vincent K, Norley C, Racanelli M, Gruber SB, Johnson TM, Fullen DR, Raskin L, Perbal B, Holdsworth DW, Postovit LM, Leask A.  
Matrix Biol. 2018 Jun 6. pii: S0945-053X(18)30044-1. doi: 10.1016/j.matbio.2018.06.003. [Epub ahead of print]  
PMID:29885461



## New Publications, cont'd

[Adipose-derived stem cells in a resilient in situ forming hydrogel modulate macrophage phenotype.](#)

Young S, Flynn LE, Amsden BG.

Tissue Eng Part A. 2018 Jun 8. doi: 10.1089/ten.TEA.2018.0093. [Epub ahead of print]

PMID:29882474

[Somatic Gene Transfer Using a Recombinant Adenoviral Vector \(rAAV9\) Encoding Pseudophosphorylated Human Thr175 Tau in Adult Rat Hippocampus Induces Tau Pathology.](#)

Moszczynski AJ, Gopaul J, McCunn P, Volkening K, Harvey M, Bartha R, Schmid S, Strong MJ.

J Neuropathol Exp Neurol. 2018 Jun 5. doi: 10.1093/jnen/nly044. [Epub ahead of print]

PMID:29878234

[Roles of prostaglandins in tumor-associated lymphangiogenesis with special reference to breast cancer.](#)

Lala PK, Nandi P, Majumder M.

Cancer Metastasis Rev. 2018 Jun 1. doi: 10.1007/s10555-018-9734-0. [Epub ahead of print]

PMID:29858743

[Isometric versus Dynamic Measurements of Fatigue: Does Age Matter? A Meta-analysis.](#)

Krüger RL, Aboodarda SJ, Samozino P, Rice CL, Millet GY.

Med Sci Sports Exerc. 2018 May 22. doi: 10.1249/MSS.0000000000001666. [Epub ahead of print]

PMID:29787475

[Delta-9-Tetrahydrocannabinol Potentiates Fear Memory Salience Through Functional Modulation of Mesolimbic Dopaminergic Activity States.](#)

Fitoussi A, Zunder J, Tan H, Laviolette SR.

Eur J Neurosci. 2018 May 18. doi: 10.1111/ejn.13951. [Epub ahead of print]

PMID:29776015

[Expression of Pannexin 1 and Pannexin 3 during skeletal muscle development, regeneration, and Duchenne muscular dystrophy.](#)

Pham TL, St-Pierre ME, Ravel-Chapuis A, Parks TEC, Langlois S, Penuela S, Jasmin BJ, Cowan KN.

J Cell Physiol. 2018 May 10. doi: 10.1002/jcp.26629. [Epub ahead of print]

PMID:29744875

[Reductions in muscle quality and quantity in CIDP patients assessed by magnetic resonance imaging.](#)

Gilmore KJ, Doherty TJ, Kimpinski K, Rice CL.

Muscle Nerve. 2018 May 9. doi: 10.1002/mus.26159. [Epub ahead of print]

PMID:29742800

[BMS 493 Modulates Retinoic Acid-Induced Differentiation During Expansion of Human Hematopoietic Progenitor Cells for Islet Regeneration.](#)

Elgamal RM, Bell GI, Krause SCT, Hess DA.



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