



If you have something you'd like to submit to our future newsletter, please send your request to Ana Maria at [sec.paincentre@mcgill.ca](mailto:sec.paincentre@mcgill.ca) by Mondays at noon.

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<ol style="list-style-type: none"><li>1. <a href="#">Special Updates</a></li><li>2. <a href="#">Journal Club</a></li><li>3. <a href="#">Frontiers in Pain</a></li><li>4. <a href="#">Other Lectures of Interest</a></li><li>5. <a href="#">Upcoming Student Seminars</a></li><li>6. <a href="#">Upcoming Events</a></li><li>7. <a href="#">Career/Job Opportunities</a></li><li>8. <a href="#">Pain in the News</a></li><li>9. <a href="#">Recent Publications</a></li></ol>	<ul style="list-style-type: none"><li>• Journal Club: March 11<sup>th</sup>.</li><li>• Frontiers in Pain: Mar 17<sup>th</sup></li></ul>

## 1) Special Update

### LAEF Annual Funding Programs

The Louise and Alan Edwards Foundation launched its annual program calls in January. The programs, as usual, include fellowships at the PhD and PDF levels, and

small project research grants. The details of these were emailed by Ana Maria on January 21<sup>st</sup> (email her if you need a second copy of these). The deadline for submission is March 19<sup>th</sup>, 2021, directly to the Foundation (edwardsfoundation@jcfmontreal.org).

### **2021 McGill Clinical Innovation Competition**

The 2021 McGill CLIC competition has been launched. It aims to inspire members of the Faculty of Medicine and Health Sciences community to conceive and develop promising ideas that will have a direct and positive impact on Canadian or global health care. There are 4 different prizes to compete for, and it is open to faculty, staff and trainees. For more information on the competition, visit their [website](#). Applications must be submitted by 11:59 EST on March 31<sup>st</sup>, 2021.

Now in its fourth year, there are four prizes on offer.

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Zoom: <https://us02web.zoom.us/j/89574842488>

Presenters should send their article to [sec.paincenter@mcgill.ca](mailto:sec.paincenter@mcgill.ca) the Monday before presenting

<b>Day</b>	<b>Presenting Lab</b>
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<b>March 25</b>	<b>Trainees only – Haley</b>
April 8	AEPMU

Paper Selection:

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### 3) Frontiers in Pain Research

#### 2020-2021 SEMINARS

DATE	SPEAKER	TITLE	HOST	LOCATION & TIME
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Along the same lines and as an incentive, McGill Libraries has [negotiated substantial discounted rates](#) for author publication charges (APCs) with a range of significant scientific publishers and journals (AAAS, Springer, PNAS, Sage, etc.).

### **McGill Research Match 4.0**

The McGill initiative in Computational Medicine (MiCM) has announced the fourth iteration of the MiCM ResearchMatch program. ResearchMatch is looking for collaborative projects to plan, organize or analyze data (no data generation). Each project will last up to one year with a funding envelope between \$10K and \$50K. **The deadline to submit the initial application is March 5th 2021 at 5pm (EST).** For

more information, consult their [website](#).

### **CPS Annual Meeting, April 28-30, 2021**

This year's CPS annual meeting will be held virtually from April 28<sup>th</sup> to 30<sup>th</sup>, 2021. The meeting is organized as an online event. Keynote and Plenary lectures will be given by David Bennett, Oxford (Mary Ellen Jeans Keynote Lecture), Sarah Ross, Pittsburgh (Basic Science Plenary), and Sean Mackey, Stanford (Clinical Plenary).

***Deadline for late-breaking posters extended until TODAY, March 1<sup>st</sup>, 2021!!!***

For more information or to register, visit their [website](#).

### **2<sup>nd</sup> Provincial Symposium on Chronic Pain**

The organizing committee has just announced that a second conference will be held virtually on March 26, 2021. The conference will involve a series of panels, plenaries and small group sessions, that will appeal to a broad range of clinicians and researchers. If you would like to be kept informed, check out their [website](#) or subscribed to their [newsletter](#).

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### **Ribeiro-da-Silva Lab – PhD training opportunity**

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Those interested should contact Alfredo directly ([alfredo.ribeirodasilva@mcgill.ca](mailto:alfredo.ribeirodasilva@mcgill.ca))

## CPS Trainee Research Awards for 2021

The Canadian Pain Society is offering two Trainee Research Awards to support pain research projects at the PhD level, one in basic science and one in clinical science. The deadline for the applications is March 15<sup>th</sup>, 2021. For more information and to apply, check out their [website](#).

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### 8) AECRP in the News

***The PNAS paper that Gabriella and others published on LSD and social behavior is once again making the news***

[Sci Tech Daily](#), 26 Feb 2021, “LSD may offer viable treatment for anxiety and other mental disorders.”

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### 9) Recent Publications

[The effect of a topical combination of clonidine and pentoxifylline on post-traumatic neuropathic pain patients: study protocol for a randomized, double-blind placebo-controlled trial.](#)

Fulas OA, Laferrière A, **Ware MA**, Shir Y, Coderre TJ.  
Trials. 2021 Feb 17;22(1):149

[The burden of waiting to access pain clinic services: perceptions and experiences of patients with rheumatic conditions.](#)

Deslauriers S, Roy JS, Bernatsky S, Blanchard N, Feldman DE, Pinard AM, **Fitzcharles MA**, Desmeules F, Perreault K.  
BMC Health Serv Res. 2021 Feb 18;21(1):160.

[The COVID-19 match: what Canadian anesthesia programs can do for the virtual match cycles](#)

Kacper Niburski, **Pablo Ingelmo**, Natalie Buu  
Can J Anaesth, 2021 Feb 18;1-2.

[Anxiety and Fear Avoidance Beliefs and Behavior May Be Significant Risk Factors for Chronic Opioid Analgesic Therapy Reliance for Patients with Chronic Pain - Results from a Preliminary Study.](#)

Jasmine Silva M, Coffee Z, Ho Alex Yu C, **Martel MO**  
Pain Medicine, 16 Feb 2021,

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### **CIHR Operating Grant Competition**

In these darker times, it is good to have something to celebrate. Therefore, our congratulations go out to our members who were successful in their applications to CHIR last fall.

[A neuropathic-like component in arthritis pain: characterization and therapeutic possibilities](#)

PI: Alfredo Ribeiro-Da-Silva,  
5 year operating grant, \$879,750

[Developing and validating biomarkers for chronic pain](#)

PI: Etienne Vachon-Pressseau; Co-I: Danilo Bzdok, Luda Diatchenko  
3.5 year operating grant, \$359,549

[Anesthesia-induced memory impairment is mediated by a specific loss of inhibitory neurons](#)

PI: Thomas Schrickler, Co-I: Arkady Khoutorsky, Jean-Claude Lacaille  
5 year operating grant, \$956,250

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ideas that will have a direct and positive impact on Canadian or global health care. There are 4 different prizes to compete for, and it is open to faculty, staff and trainees. For more information on the competition, visit their [website](#). Applications must be submitted by 11:59 EST on March 31<sup>st</sup>, 2021.

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## **Open Science videos on demand**

The Neuro's Open Science program has made its *Open Science in Conversation* webinars available in an on-demand format. These and many other videos (e.g. Penfield lectures, Neuro-Gardiner Open Science Symposium) are available through the Neuro's video on demand [portal](#).

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### **7) Career/Job Opportunities**

#### **Coderre lab – PDF opening**

Terry is currently looking for a Post-doc willing to work on a project on the role of intracellular metabotropic glutamate receptors in persistent nociception. This is a

CIHR-funded project.

Those interested should contact Terry directly at [terence.coderre@mcgill.ca](mailto:terence.coderre@mcgill.ca)

### **Ribeiro-da-Silva Lab – PhD training opportunity**

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## **8) AECRP in the News**

***Reza interviewed in a story about CBD and chronic bladder pain.***

[CannaisHealthNetwork](#), Joe Roberts, 04 March 2021, “Study: Is CBD the future of chronic bladder pain treatment?”

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## 9) Recent Publications

### [A 5-Year Esthetic RCT Assessment of Anterior Maxillary Single-Tooth Implants with Different Abutment Interfaces.](#)

Cooper LF, Reside G, DeKok I, Standord C, BarwaczC, **Feine J**, Nader SA, ScheyerT, McGuire M.

The International Journal of Oral & Maxillofacial Implants. 2021 Jan-Feb;36(1):165-176. DOI: 10.11607/jomi.8333.

### [Erratum to "The Relation Between Perceived Injustice and Symptom Severity in Individuals with Major Depression: A Cross-Lagged Panel Study". \[JAD 274C \(2020\) 289- 297\].](#)

**Sullivan MJL**, Adams H, Yamada K, Kubota Y, Ellis T, Thibault P.  
J Affect Disord. 2021 Feb 25:S0165-0327(21)00149-X.

### [Lysergic acid diethylamide differentially modulates the reticular thalamus, mediodorsal thalamus, and infralimbic prefrontal cortex: An in vivo electrophysiology study in male mice](#)

Antonio Inserra, Danilo De Gregorio, Tamim Rezai, Martha Graciela Lopez-Canul, Stefano Comai, **Gabriella Gobbi**

J Psychopharmacol. 2021 Mar 1;269881121991569.

### [Proteomic and Transcriptomic Techniques to Decipher the Molecular Evolution of Venoms](#)

Stephanie Mouchbahani-Constance and **Reza Sharif-Naeini**

Toxins 2021, 13(2), 154;

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### **IASP Collaborative Research Grants**

These grants provide support of up to US\$15,000 for international interdisciplinary pain research collaborations between at least two countries with an emphasis on collaborations among basic, translational, and clinical scientists. The Principal

Investigator must be an IASP member for at least one year at the time of application. Applications close 15 April 2021. For more information or to apply, visit their [website](#).

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The CCIC's **7th Annual Cannabinoids in Clinical Practice Conference** will take place on April 19-20, 2021. Details [HERE](#).

The Canadian Neurophotonics Platform presents the **Global Resources Seminar Series**. Details [HERE](#).

#### 5) Upcoming Student Seminars

**QPRN Lunch & Talk seminar**

The QNJPI Students Blitz Presentations will be feature in an upcoming **QPRN Lunch & Talk** seminar. This will take place this coming **Friday, March 19, 2021** at 12:00 p.m. [Zoom link](#). [Add to calendar](#)

### **Medicine Internal fellowships**

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## **7) Career/Job Opportunities**

**Sharif-Naeni Lab – PDF openings**

Reza is currently looking for postdocs for his lab, particularly one on the Molecular bases of sensory impairment in neurodevelopmental disorders. The position, in the research groups of Drs. Reza Sharif-Naeini and John Orłowski, will investigate the molecular, cellular, and circuit mechanisms responsible for sensory impairments, such as hyposensitivity to pain, observed in an X-linked neurodevelopmental disorder called Christianson Syndrome. For information, contact Reza directly ([reza.sharif@mcgill.ca](mailto:reza.sharif@mcgill.ca)) or consult this [notice](#).

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### **CPS Trainee Research Awards for 2021**

The Canadian Pain Society is offering two Trainee Research Awards to support pain research projects at the PhD level, one in basic science and one in clinical science.

*The deadline for the applications is March 15<sup>th</sup>, 2021.* For more information and to apply, check out their [website](#).

*If you have anything of interest, please send it in! [sec.paincentre@mcgill.ca](mailto:sec.paincentre@mcgill.ca)*

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[Liver X Receptor Activation with an Intranasal Polymer Therapeutic Prevents Cognitive Decline without Altering Lipid Levels](#)

María Eugenia Navas Guimaraes, Roi Lopez-Blanco, Juan Correa, Marcos Fernandez-Villamarin, María Beatriz Bistué, Pamela Martino-Adami, Laura Morelli, Vijay Kumar, Michael F Wempe, **A C Cuello**, Eduardo Fernandez-Megia, Martin A Bruno  
ACS Nano. 2021 Mar 5.

[Mind-body approaches targeting the psychological aspects of opioid use problems in patients with chronic pain: Evidence and opportunities](#)

**Marc O Martel**, Alice Bruneau, Robert R Edwards  
Transl Res. 2021 Mar 3;S1931-5244(21)00050-5.

[Initial testing of the use of the Safer Care Nursing Tool in a Canadian acute care context](#)

Isabelle Caron, **Céline Gélinas**, Johanne Boileau, Valerie Frunchak, Ann Casey, Keith Hurst  
J Nurs Manag. 2021 Mar 1.

[Protein Adsorption on Surfaces Functionalized with COOH Groups Promotes Anti-inflammatory Macrophage Responses.](#)

Buck E, Lee S, **Stone LS**, Cerruti M.  
ACS Appl Mater Interfaces. 2021 Feb 17;13(6):7021-7036.

[Single cell transcriptomics of primate sensory neurons identifies cell types associated with chronic pain.](#)

Kupari J, Usoskin D, Parisien M, Lou D, Hu Y, Fatt M, Lönnerberg P, Spångberg M, Eriksson B, Barkas N, Kharchenko PV, Loré K, Khoury S, **Diatchenko L**, Ernfors P.  
Nat Commun. 2021 Mar 8;12(1):1510.

[Research routes on improved sleep bruxism metrics: Toward a standardised approach](#)

**Gilles Lavigne**, Takafumi Kato, Alberto Herrero Babiloni, Nelly Huynh, Cibeles Dal Fabbro, Peter Svensson, Ghizlane Aarab, Jari Ahlberg, Kazuyoshi Baba, Maria Clotilde Carra, Thays Crosara A Cunha, Daniela A G Gonçalves, Daniele Manfredini, Juliana Stuginski-Barbosa, Mieszko Wieckiewicz, Frank Lobbezoo  
J Sleep Res. 2021 Mar 6;e13320.

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These are available to view [online](#) now. The next stage has now started, seeing what matches can be made for funding under this program.

The seed funding envelope will support up to two McGill faculty members to plan, organize and analyze data (no data generation). The **biological or clinical researcher** and the **data scientist** submitting the joint project proposal must not have worked together before. All projects will be evaluated based on scientific excellence, evidence of synergy in the proposed collaboration, and potential of the proposed work to progress to other funding competitions. **Deadline to submit a joint application: April 1<sup>st</sup>, 2021.**

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### **Pain Centre Journal Club**

Thursdays 9:30-11:00

Zoom: <https://us02web.zoom.us/j/89574842488>

Presenters should send their article to [sec.paincenter@mcgill.ca](mailto:sec.paincenter@mcgill.ca) the Monday before presenting

<b>Day</b>	<b>Presenting Lab</b>
<b>March 25</b>	<b>Trainees only – Haley</b>
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### **Paper Selection:**

Presenters are encouraged to select a recent, high-impact, pain-related paper that they find interesting!

## **3) Frontiers in Pain Research**

### **2020-2021 SEMINARS**

DATE	SPEAKER	TITLE	HOST	LOCATION & TIME
2020				
Apr 21	<b>Linda Watkins PhD</b> Psychology and Neuroscience University of Colorado	<i>“Listening” and “Talking” to Neurons: Non-neuronal cells amplify pain and drug reward ~ Pathways from basic science to human and veterinary clinical trials ~</i>	<b>Arkady Khoutorsky</b>	<a href="https://mcgill.zoom.us/j/89959504952">https:// mcgill.zoom.us/j/ 89959504952</a>

#### 4) Other Lectures of Interest

AEPMU:

- Melzack Pain Lecture Series:

Watch previous lectures [here](#)

The CCIC's 7th Annual Cannabinoids in Clinical Practice Conference will take place on April 19-20, 2021. Details [HERE](#).

The Canadian Neurophotonics Platform presents the **Global Resources Seminar Series**. Details [HERE](#).

#### 5) Upcoming Student Seminars

Medicine Internal fellowships

Fellowships for graduate and postdoctoral studies are offered annually by the Faculty of Medicine. The rules and application process has now been posted on their website. The deadline for receipt of all applications is Friday, April 16<sup>th</sup>, 2021 at 4pm.

Those applying for Postdoctoral Fellowships, should consult [this page](#).

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## 6) **Upcoming Events**

### **McGill Regenerative Medicine lecture series**

On Thursday, March 25<sup>th</sup>, Lisbet Haglund (Associate Professor, Surgery) and Mathew Mannarino, a doctoral candidate in her lab, will present a joint talk to the MRM lecture series on back pain. This follows the usual MRM pattern, with Lisbet talking about “Regenerative approaches to treat back pain in mice and men” and Matthew talking about his research on “Toll-Like Receptor 2 Induced Senescence in Intervertebral Disc Cells of Patients with Back Pain can be Attenuated by o-Vanillin”. The talk will be held between 12 and 1pm on the 25<sup>th</sup>, and will be delivered virtually.

For more information about the talk, visit their [website](#). To register for the talk, sign up [here](#).

### **CPS Virtual Symposium on Cancer Pain**

The Canadian Pain Society is organizing a symposium on cancer pain. It will take place Saturday, May 1<sup>st</sup>, from 11am to 3:30pm EST. The speakers are many and varied, and include our very own Jordi Perez. Registration is free for CPS members, and \$75 for non-members. For more information on the symposium, consult the [agenda](#) or visit the CPS website to [register](#).

## IASP World Congress on Pain 2021

IASP has issued a call for late breaking poster abstracts for their virtual scientific meeting this June (June 9-11 and 16-18). **All late-breaking posters must be submitted by March 24<sup>th</sup>, 2021, at 16:59EST.** For more information about the requirements and to submit, visit their [website](#).

## CPS Annual Meeting, April 28-30, 2021

This year's CPS annual meeting will be held virtually from April 28<sup>th</sup> to 30<sup>th</sup>, 2021. The meeting is organized as an online event. Keynote and Plenary lectures will be given by David Bennett, Oxford (Mary Ellen Jeans Keynote Lecture), Sarah Ross, Pittsburgh (Basic Science Plenary), and Sean Mackey, Stanford (Clinical Plenary).

For more information or to register, visit their [website](#).

## 2<sup>nd</sup> Provincial Symposium on Chronic Pain

The organizing committee has just announced that a second conference will be held virtually on March 26, 2021. The conference will involve a series of panels, plenaries and small group sessions, that will appeal to a broad range of clinicians and researchers. If you would like to be kept informed, check out their [website](#) or subscribed to their [newsletter](#).

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## **7) Career/Job Opportunities**

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## 9) **Recent Publications**

[Monitoring translation in synaptic fractions using a ribosome profiling strategy.](#)

Simbriger K, Amorim IS, Chalkiadaki K, Lach G, Jafarnejad SM, **Khoutorsky A**, Gkogkas CG.

J Neurosci Methods. 2020 Jan 1;329:108456

[Day-to-day hedonic and calming effects of opioids, opioid craving, and opioid misuse among patients with chronic pain prescribed long-term opioid therapy](#)

Frimerman, Leah; Verner, Maria; Sirois, Amanda; Scott, Katherine; Bruneau, Alice;

**Perez, Jordi; Shir, Yoram; Martel, Marc O.**

PAIN: January 26, 2021

[Salt Sensing by Serum/Glucocorticoid-Regulated Kinase 1 Promotes Th17-like Inflammatory Adaptation of Foxp3+ Regulatory T Cells.](#)

Yang YH, Istomine R, Alvarez F, Al-Aubodah TA, Shi XQ, Takano T, Thornton AM, Shevach EM, **Zhang J**, Piccirillo CA.



Cell Rep. 2020 Feb 4;30(5):1515-1529.e4. doi: 10.1016/j.celrep.2020.01.002.

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## Upcoming:

- Journal Club: March 25<sup>th</sup>:  
**Trainees-only Journal Club**
- Frontiers in Pain: April 21<sup>st</sup>

## 1) Special Update

### Welcome to our new members!

At our AGM (Friday, March 19<sup>th</sup>, 2021), three people were elected to become members of the Centre. They are:

- [Lisbet Haglund](#), Dept of Surgery, full member

- [Faleh Tamimi](#), Faculty of Dentistry, full member
- [Lilach Eyal Waldman](#), Clinical fellow, AEPMU, associate member.

We would like to extend a very warm welcome to them all!

### **Ana Velly appointed as NCOHR Associate Director**

Our congratulations go out to Ana Velly on her recent [appointment](#) as Associate Director of the Network for Canadian Oral Health Research (NCOHR). Even better news is that she will be the next Director when the current Director's term ends on Sept 30<sup>th</sup>, 2022!

Our best wishes for your work in this role, Ana, and for the future.

### **McGill ResearchMatch 4.0**

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## **6) Upcoming Events**

### **15<sup>th</sup> Annual Faculty of Dentistry Research Day**

For the past fifteen years, the Faculty of Dentistry has held an annual research event, allowing its graduate research trainees to present their research. The event allows for the Faculty's members to come together and exchange ideas, increasing the potential

for collaboration.

The Research Day will include oral presentations from trainees (i.e., graduate students, postdocs), research assistants, research associates, dental students and dental residents from McGill's Faculty of Dentistry, but also from other departments, faculties and universities. The two keynote speakers -- **Dr. Cristin Kearns** (Assistant Professor, University of California, San Francisco: School of Dentistry), "The Sugar Papers: A New Path for Addressing Root Causes of Non-Communicable Disease" and **Dr. Thomas Thong Nguyen** (Assistant Professor, McGill University Faculty of Dentistry), "Dental implant detection and classification using a convolutional neural network" -- invited to this year's event were selected for their clinical and research experience.

[Register now](#), and join us on **April 8<sup>th</sup> from 8:30am to 6:00pm** for the Faculty of Dentistry's 15<sup>th</sup> Annual Research Day.

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## 8) **AECRP in the News**

***Mark Ware interviewed as part of an article involving CBD oil treatment.***

[Regina Leader-Post](#), Sam Riches, 29 March 2021, “Double Stigma: using cannabis to treat endometriosis”

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## 9) **Recent Publications**

[For whom the disc tolls: intervertebral disc degeneration, back pain and toll-like receptors](#)

D G Bisson, M Mannarino, R Racine, **L Haglund**  
Eur Cell Mater. 2021 Mar 19;41:355-369.

[Inhibition of TLR4 signaling protects mice from sensory and motor dysfunction in an animal model of autoimmune peripheral neuropathy.](#)

Oladiran O, Shi XQ, Yang M, Fournier S, **Zhang J.**  
J Neuroinflammation. 2021 Mar 22;18(1):77.

[The transition from acute to chronic pain: dynamic epigenetic reprogramming of the mouse prefrontal cortex up to 1 year after nerve injury.](#)

Topham L, Gregoire S, Kang H, Salmon-Divon M, Lax E, Millecamps M, Szyf M,

**Stone LS.**

Pain. 2020 Oct;161(10):2394-2409.

[Diet-induced obesity leads to behavioral indicators of pain preceding structural joint damage in wild-type mice.](#)

Kerr GJ, To B, White I, Millecamps M, Beier F, Grol MW, **Stone LS**, Séguin CA.  
Arthritis Res Ther. 2021 Mar 22;23(1):93

[Heme Oxygenase-1 in Blood and Saliva during Acute Psychosis: A Pilot Study](#)

Ayda Tavitian, Julia M. Galindez. Vimal Kothari, Shrisha Mohit, Carmela Galindez, Adrienne Liberman, Judy Glass, **Ana M. Velly**, Mervyn Gornitsky, Karl Looper, Soham Rej, Hyman M. Schipper  
Psychiatry Research, online 7 March 2021, 113857.

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