

Melissa A. Farmer, Ph.D.

September 2017

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EDUCATION

- 2011 **McGILL UNIVERSITY**
Ph.D. in Clinical Psychology (APA accredited). Advisor: Jeffrey S. Mogil
Dissertation Title: **“Mouse Models of Urogenital Pain:
Causes and Consequences of Infection and Inflammation”**
(Published in Science Translational Medicine & Journal of Neuroscience)
- 2004 **UNIVERSITY of TEXAS at AUSTIN**
B.A. in Plan II Honors & Psychology Honors (magna cum laude)

EMPLOYMENT

- 2015 – Present Research Assistant Professor, Feinberg School of Medicine, Department of Physiology, Northwestern University
- 2013 – 2015 Research Associate, Department of Physiology, Northwestern University
- 2011 – 2013 Postdoctoral Fellow, Department of Physiology, Northwestern University

RESEARCH GRANTS

- 2013 – 2018 NICHD L30HD077854 (PI Farmer)
Biomarkers of Pelvic Pain Comorbidity
- 2008 – 2011 NINDS F31NS062611, National Service Research Award (NRSA)
Mouse model of vestibulodynia using recurrent vulvovaginal candidiasis (*11th percentile*)
- 2007 – 2009 National Vulvodynia Association (PI Binik)
Mouse model of vulvar vestibulitis syndrome using recurrent vulvovaginal candidiasis.
Co-I: Farmer
- 2007 – 2009 G.W. Stairs Memorial Fund McGill University (PI Farmer)
Mouse model of vulvar vestibulitis syndrome

AWARDS & HONORS

2016	3 rd Annual Robert J. Krane Lecture Award, Sexual Medicine Society of North America
2010	New Investigator Award for Basic Science, International Society for the Study of Women's Sexual Health
2008, 2009, 2010	Scholar Travel Awards, Réseau Québécois de Recherche sur la Douleur
2006 – 2009	Pre-doctoral Merit Scholarship Program for Foreign Students
2006, 2007, 2009	Alma Mater Travel Grants, McGill University
2004 – 2006	Tomlinson Masters of Science Fellowship, McGill University
2004 – 2006	McGill Graduate Studies Fellowship, McGill University

PROFESSIONAL ACTIVITIES

2015 - present	Member, Board of Directors International Society for the Study of Women's Sexual Health
2016 – present	Consensus Committee Member for Pelvic Pain Sensitization Criteria Convergences in Pelviperineal Pain (Aix-en-Provence)
2016 - present	Chair of the 2016-2017 Scientific Program Committee
2015	Committee Member, 4 th International Consultation on Sexual Medicine (Future Treatments for Female Sexual Dysfunction)
2015	Committee Member, International Consensus Conference Vulvodynia Nomenclature

PEER-REVIEWED PUBLICATIONS

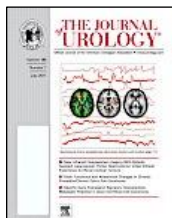
11 first author papers • 1 last author paper • 5 post-publication peer reviewed by F1000

27. Kutch JJ, Ichesco E, Hampson JP, Labus JS, **Farmer MA**, Martucci KT, Ness YJ, Deutsch G, Apkarian AV, Mackey SC, Klumpp DJ, Schaeffer AJ, Rodriguez LV, KrederKJ, Buchwald D, Andriole GL, Lai HH, Mullins C, Kusek JW, Landis JR, Mayer EA, Clemens JQ, Clauw DJ, Harris, RE, and the MAPP Research Network. Brain signature and functional impact of centralized pain: a Multidisciplinary Approach to the Study of Chronic Pelvic Pain (MAPP) Network Study. *Pain. (In Press)*
26. Kutch JJ, Labus JS, Harris RE, Martucci KT, **Farmer MA**, Fenske S, Fling C, Ichesco E, Peltier S, Petre B, Guo W, Hou X, Stephens AJ, Mullins C, Clauw DJ, Mackey SC, Apkarian AV, Landis JR, & Mayer EA. Resting-state functional connectivity predicts longitudinal pain symptom change in urologic chronic pelvic pain syndrome: A MAPP Network Study. *Pain.* 2017 158(6):1069-1082. PMID: 28328579
25. Huang L, Kutch JJ, Ellingson BM, Martucci KT, Harris RE, Clauw DJ, Mackey S, Mayer EA, Schaeffer AJ, Apkarian AV, & **Farmer MA**. Brain white matter changes associated with urological chronic pelvic pain syndrome: Multi-site neuroimaging from a MAPP case-control study. *Pain* 2016 157(12):2782-2791. PMID: 27842046
24. Davis DA, Ghantous ME, **Farmer MA**, Baria AT, Apkarian AV. Identifying brain nociceptive information transmission in patients with chronic somatic pain. *Pain Reports.* 2016 1(4):e575.
23. **Farmer MA**, Yoon H, & Goldstein I. Future targets for female sexual dysfunction. *J Sex Med.* 2016 13(8):1147-65. PMID: 27436073

22. Alger JR, Ellingson BM, Ashe-McNalley C, Woodworth DC, **Farmer M**, Glover G, Bammer R, Parrish T, den Hollander J, Chenevert T, Apkarian AV, Meyer EA, and the MAPP Investigators. Multisite, multimodal neuroimaging of chronic urological pelvic pain: Methodology of the MAPP Research Network. *NeuroImage: Clin.* 2016 12:65-77. PMID: 27408791
21. Vachon-Presseau E, Centeno MV, Ren W, Berger SE, Tetrault P, Ghantous M, Baria A, **Farmer MA**, Baliki M, Schnitzer TJ, & Apkarian AV. The emotional brain as a predictor and amplifier of chronic pain. *J Dental Res.* 2016 95(6):605-12. PMID: 26965423
20. Woodworth D, Mayer E, Leu K, Ashe-McNalley C, Naliboff BD, Labus JS, Tillisch K, Kutch JJ, **Farmer MA**, Apkarian AV, Johnson KA, Mackey SC, Ness TJ, Landis JR, Deutsch G, Harris RE, Clauw DJ, Mullins C, Ellingson BM. Unique microstructural changes in the brain associated with urological chronic pelvic pain syndrome (UCPPS) revealed by diffusion tensor MRI, super-resolution track density imaging, and statistical parameter mapping: A MAPP Network neuroimaging study. *PLoS One.* 2015 10(10):e0140250. PMID: 26460744
19. **Farmer MA**, Huang L, Martucci KT, Labus J, Harris RE, Clauw DJ, Deutsch G, Ness TJ, Yang CC, Maravilla KR, Mackey SC, Ellingson B, Mayer EA, Schaeffer AJ & Apkarian AV. Brain white matter abnormalities in female interstitial cystitis/bladder pain syndrome: A MAPP Network neuroimaging study. *J Urol.* 2015 194(1):118-26. PMID: 264475466
18. Martucci, KT, Shirer WR, Bagarinao E, Johnson KA, **Farmer MA**, Labus JS, Apkarian AV, Deutsch G, Harris RE, Mayer EA, Clauw DJ, Greicius MD, Mackey S. The posterior medial cortex in urologic chronic pelvic pain syndrome: Detachment from default mode network: A resting-state study from the MAPP Research Network. *Pain.* 2015 156(9):1755-64. PMID: 264545714
17. Kutch JJ, Yani MS, Asavasopon S, Kirages DJ, Rana M, Cosand L, Labus JS, Kilpatrick LA, Ashe-McNalley C, **Farmer MA**, Johnson KA, Ness TJ, Deutsch G, Harris RE, Apkarian AV, Clauw DJ, Mackey SC, Mullins C, Mayer EA. Altered resting state neuromotor connectivity in men with chronic prostatitis/chronic pelvic pain syndrome: A MAPP Research network neuroimaging study. *Neuroimage Clin.* 2015 8:493-502. PMID: 264474411
16. Kairys AE, Schmidt-Wilcke T, Puiu T, Ischesco E, Labus JS, Martucci K, **Farmer MA**, Ness TJ, Deutsch G, Mayer EA, Mackey S, Apkarian AV, Maravilla K, Clauw DJ, Harris RE. Increased brain gray matter in the primary somatosensory cortex is associated with increased pain and mood disturbance in interstitial cystitis/painful bladder syndrome patients. *J Urol.* 2015 193(1):131-7. PMID: 264435781
15. **Farmer MA**, Leja A, Foxen-Craft E, Chan L, MacIntyre LC, Niaki T, Chen M, Mapplebeck JCS, Tabry V, Topham L, Sukosd M, Binik YM, Pfaus JG, & Mogil JM. Pain reduces sexual motivation in female but not male mice. *J Neurosci.* 2014 34(17):5747-53. PMID: 263996207
14. Martucci K, Bagarinao E, Johnson K, Ichesco E, **Farmer MA**, Labus J, Ness T, Harris R, Apkarian A, Mayer E, Clauw D, Mackey S. Regional gray matter density differences predict classification of chronic pelvic pain and fibromyalgia: Findings from the MAPP Research Network. *J Pain.* 2014 15(4):S55. PMID: 264504202
13. Bagarinao E, Johnson KA, Martucci KT, Ischesco E, **Farmer MA**, Labus J, Ness TJ, Harris R, Deutsch G, Apkarian AV, Mayer EA, Clauw DJ, Mackey S. Preliminary structural MRI based brain classification of chronic pelvic pain. *Pain.* 2014 155(12):2502-9. PMID: 264504202

12. Mansour AR, **Farmer MA**, Baliki MN, & Apkarian AV. Chronic pain: The role of learning and brain plasticity. *Restor Neurol Neurosci*. 2014 32(1):129-39. PMID: 23603439
- 11.* Kilpatrick LA, Kutch JJ, Tillisch K, Naliboff B, Labus J, Jiang Z, **Farmer MA**, Apkarian AV, Mackey S, Martucci KT, Clauw DJ, Harris RE, Deutsch G, Ness TJ, Yang CC, Maravilla K, Mullins C, & Mayer EA. Alterations in resting state oscillations and connectivity in sensory and motor networks in women with IC/BPS. *J Urol*. 2014 192(3):947-55. PMID: PMC4432915
- 10.* **Farmer MA**, Maykut C, Huberman J, Huang L, Khalife S, Binik Y, Apkarian A, Schweinhardt P. Psychophysical properties of female genital sensation. *Pain*. 2013 154:2277-86. PMID: 23707679
9. Apkarian AV, Baliki MN, & **Farmer MA**. Predicting transition to chronic pain. *Curr Opin Neurol*. 2013 Aug;26(4):360-7. PMID: PMC4887742
8. **Farmer MA**, Baliki MN, & Apkarian AV. A dynamic network perspective of chronic pain. *Neurosci Lett*. 2012 Jun;520(2):197-203. PMID: PMC3377811
- 7.* **Farmer MA**, Taylor A, Bailey AL, MacIntyre LC, Milagrosa ZE, Crissman H, Tuttle A, Bennett GJ, Ribeiro-da-Silva A, Binik YM, & Mogil JS. Repeated vulvovaginal fungal infections cause persistent pain in a mouse model of vulvodynia. *Sci Transl Med*. 2011 3(101):101ra91. PMID: PMC3243907
- 6.* **Farmer MA**, Chanda ML, Parks EL, Baliki MN, Apkarian AV, Schaeffer AJ. Brain functional and anatomical changes related to chronic prostatitis pain. *J Urol*. 2011 186(1):117-24. PMID: PMC4889821
5. Ahrold TK, **Farmer MA**, Trapnell PD, & Meston CM. The relationship among sexual attitudes, sexual fantasy, and religiosity. *Arch Sex Behav*. 2011 40(3):619-30. PMID: 20364304
4. **Farmer MA**, Trapnell PD, & Meston CM. The relation between sexual behavior and religiosity subtypes. *Arch Sex Behav*. 2009 38(5):852-65. PMID: 18839301
3. **Farmer MA** & Meston CM. Predictors of genital pain in young women. *Arch Sex Behav*. 2007 36(6):831-843. PMID: PMC2857760
2. **Farmer MA** & Meston CM. Predictors of condom use self-efficacy in an ethnically diverse university sample. *Arch Sex Behav*. 2006 35(3):313-326. PMID: PMC2859307
- 1.* **Farmer MA** & Binik YM. Psychology is from Mars, Sexology is from Venus: Can they meet on Earth? *Canadian Psychol*. 2005 46:46-51.

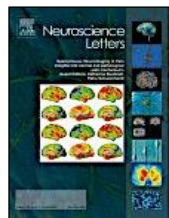
JOURNAL COVERS



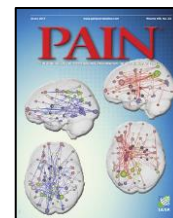
Journal of Urology
2011



Science Translational Medicine
2011



Neuroscience Letters
2012



Pain
2017

INVITED COMMENTARY

Farmer MA. What is special about the vulvar vestibule? *Pain*. 2015 156(3):359-60.

PMCID: PMC4335348

BOOK CHAPTERS

11. **Farmer MA.** (In preparation). Pharmacological treatment of sexual dysfunction. In SM Evans & K Carpenter (Eds.), *APA Handbook of Psychopharmacology*. American Psychological Association.
10. **Farmer MA.** (In press). Anatomy and physiology of genito-pelvic pain. In I Goldstein, A Clayton, A Goldstein, S Kingsberg, J Pfaus & H Herman (Eds.), *Women's Sexual Function and Dysfunction: Study, Diagnosis, & Treatment*. Taylor & Francis.
9. **Farmer MA.** (2015). In search of pelvic pain. In AV Apkarian (Ed.), *The brain adapting with pain: Contribution of neuroimaging technology to pain mechanisms*. Seattle, USA: IASP Press, pp. 321-30.
8. **Farmer MA,** Davis SN, & Binik YM. (2015). Sexual pain disorders. In KR Wylie (Ed.), *ABC of Sexual Health*, 3rd ed. Wiley-Blackwell. pp. 81-85.
7. **Farmer MA.** (2014). Neuromodulation of chronic abdomino-pelvic pain. In B Messelink, A Baranowski, & J Hughes (Eds.), *Abdomino-pelvic pain: From definition to best practice*. Seattle, USA: IASP Press, pp. 247-255.
6. **Farmer MA.** (2014). Sex research methods. In C Pukall (Ed.), *Human sexuality: A contemporary introduction*. Oxford University Press, pp. 50-76.
5. Wesselmann U & **Farmer MA.** (2013). Vulvodynia. In RF Schmidt & GF Gebhart (Eds.), *The Encyclopedia of Pain*. Springer: Berlin Heidelberg, pp. 4245-4248.
4. Rellini AH, **Farmer MA,** & Golden GH. (2011). Hypoactive sexual desire disorder. In J. Mulhall, L. Incrocci, I. Goldstein, R. Rosen (Eds.), *Cancer and sexual health*. Boston: Humana, pp. 105-123.
3. **Farmer MA,** Kao A, & Binik YM. (2009). Management of dyspareunia and vaginismus. In R Balon & T Segreaves (Eds.), *Clinical manual of sexual disorders*. Washington, DC: American Psychiatric Publishing, pp. 305–334.
2. **Farmer MA,** Binik YM, & Mogil JS. (2009). Animal models of dyspareunia. In AT Goldstein, CF Pukall & I Goldstein (Eds.), *Female sexual pain disorders: Evaluation and management*. Wiley-Blackwell: Oxford, UK, pp. 199-207.
1. **Farmer MA,** Kukkonen T, & Binik YM. (2008). Female genital pain disorders. In DL Rowland & L Incrocci (Eds.), *Handbook of sexual and gender identity disorders*. John Wiley and Sons, Inc: Hoboken, New Jersey, pp. 220-250.

INVITED TALKS

22. Future treatment targets for female sexual dysfunction. Invited talk to be presented at World Meeting on Sexual Medicine in Lisboa, Portugal (**March, 2018**).
21. Mechanistic interplay among peripheral, spinal, and brain adaptations to chronic pelvic pain. Invited lecture to be presented at the 3rd World Congress of Abdominal & Pelvic Pain in Washington, D.C. (**October, 2017**).
20. Brain reorganization with multisensory (mis)perceptions of sexual pain. Invited panelist for Next Frontier Plenary Panel on Female Sexual Dysfunction at the American Urology Association annual meeting in Boston, MA (May, 2017).
19. Birth and death of the pain engram. Invited talk presented at the San Diego Pain Summit in San Diego, CA. (February, 2017).
18. A heretic's guide to neural substrates of sexual dysfunction. Invited Robert Krane Lecturer at Sexual Medicine Society of North America in Scottsdale, AR. (November, 2016).
17. Female sexual arousal: What is necessary and sufficient? Invited talk presented at the Sexual Medicine Society of North America meeting in Scottsdale, AR. (November, 2016).
16. Negotiating competing models. Invited Ethical Dilemmas panelist at The New View Campaign Capstone Conference in Bloomington, IN. (October, 2016).
15. Deciphering chronic genital pain. Invited talk presented at the American Urological Association annual meeting (sponsor: Sexual Medicine Society of North America) in San Diego, CA. (May, 2016).
14. Defending the pelvis. Keynote talk presented at the 3rd annual Pelvic Health Symposium, Toronto, Canada. (May, 2016).
13. The rise and fall of pain memory. Invited talk presented at the 3rd annual Pelvic Health Symposium, Toronto, Canada. (May, 2016).
12. Visceral pain: Molecular mechanisms and beyond. Invited talk presented at the Society for Reproductive Investigation annual meeting in Montréal, Canada. (March, 2016).
11. The (mal)adapting brain: Temporal dynamics of chronic bladder pain. Invited talk presented at the International Continence Society meeting in Montréal, Canada (October, 2015).
10. Neuroscience of libido. Invited talk at Contraceptive conundrum: A bioethics symposium, held at Georgetown University, Washington, D.C. (August, 2015).
9. Pelvic pain: From perception to pathophysiology. Invited talk presented at 2nd World Congress on Pelvic Pain, Nice, France (June, 2015).
8. Cortical mechanisms of nociception and pain: Forward and reverse translational analyses. Invited Topical Workshop speaker at the 15th World Congress of Pain, Buenos Aires, Argentina (October, 2014).
7. Unravelling the circuitry and neurophysiology of osteoarthritis pain. Invited Topical Workshop speaker at the 15th World Congress of Pain, Buenos Aires, Argentina (October 2014).

6. Neuromodulation of abdomino-pelvic pain. Invited talk presented at the 1st World Congress on Pelvic Pain, Amsterdam, Netherlands (June, 2013).
5. Somatic mechanisms of chronic pelvic pain. Invited talk presented at the Pain of Urogenital Origin Symposium, 14th World Congress on Pain, Milano, Italy (August, 2012).
4. Pelvic pain in the brain: Central and cognitive characteristics of men with Chronic Prostatitis/Chronic Pelvic Pain Syndrome (CP/ CPPS). Invited talk presented at the Society for Sex Therapy and Research, Chicago, IL (March, 2012).
3. From mice to women: Urogenital models of pain following inflammation. Invited talk presented at the 3rd Annual Rehabilitation Institute of Chicago Women's Health Symposium, Chicago, IL (May, 2011).
2. Dyspareunia and so-called sexual pain. Invited talk presented at the 13th World Congress on Pain, Montréal, Canada (August, 2010).
1. So-called sexual pain. Invited talk presented at the Pain of Urogenital Origin Symposium (Satellite Symposium of the 12th World Congress on Pain), Glasgow, Scotland (August, 2008).

PODIUM PRESENTATIONS

11. Brain global and local network properties differentiate naturalistic vulvovaginal distension from vulvar pressure: A fMRI study of women with provoked vestibulodynia. Podium at the International Society for the Study of Women's Sexual Health, Austin, TX (February, 2015).
10. Recurrent vulvovaginal *Candida albicans* infection causes persistent post-infection vulvar pain and altered vulvar innervation. Podium presented at the annual meeting of the International Society for the Study of Women's Sexual Health, St. Petersburg, FL (February, 2010).
9. A potential etiology for provoked vestibulodynia: Repeated vulvovaginal *Candida albicans* infection causes persistent vulvar pain. Podium presented at the annual meeting of the International Academy of Sex Research, San Juan, Puerto Rico (August, 2009).
8. Behavioral and histological characterization of a mouse model of provoked vestibulodynia following recurrent vulvovaginal candidiasis. Podium presented at the Canadian Sex Research Forum, Montréal, Canada (October, 2008). **CSRF Best Student Presentation Award Winner**
7. Of mice and women: A mouse model of vestibulodynia following recurrent vulvovaginal candidiasis. Podium presented at International Society for the Study of Women's Sexual Health, San Diego, CA (February, 2008).
6. Not tonight dear, I have a vulvache: Evidence for reduced sexual receptivity with vulvar and hindpaw zymosan using paced mating in the mouse. Podium presented at International Society for the Study of Women's Sexual Health, San Diego, CA (February, 2008).
5. Mouse model of vulvar vestibulitis following a single *Candida albicans* infection. Podium presented at International Society for the Study of Women's Sexual Health, Orlando, FL (February, 2007).

4. Reduced vulvar pain threshold in a mouse model of vulvar pain following vulvovaginal *Candida albicans* infection. Podium presented at the McGill Center for Research on Pain-Astra Zeneca Scientific Meeting, Montréal, Canada (December, 2006).
3. Psychosexual profiles of young adult women with a continuum of genital pain. Podium at International Society for the Study of Women's Sexual Health, Lisboa, Portugal (March, 2006).
2. Impact of religiosity on sexual function: Implications for sex therapy. Podium presented at International Society for the Study of Women's Sexual Health, Las Vegas, NV. (October, 2005).
1. Predictors of condom use self-efficacy: An integration of past research. Podium presented at International Society for the Study of Women's Sexual Health, Atlanta, GA. (October, 2004).

CLINICAL ROUNDS

4. Deciphering the role of anxiety in chronic pelvic pain. Invited Rounds at the Hospital for Special Surgery, New York, NY. (August, 2016).
3. Yes, sex therapy can help your pelvic pain patient. Invited Grand Rounds at NorthShore Department of OB/GYN, Chicago, IL (April, 2015).
2. Causes and consequences of urogenital pain following inflammation. Invited talk presented at the Pain Rounds at the Massachusetts General Hospital, Boston, Massachusetts. (July, 2010).
1. From mice to women: Impact of acute and inflammatory pain on sexual motivation and pain behavior in mouse models of genital pain. Invited talk presented at the Montréal General Hospital Chronic Pain Centre, Montréal, Canada. (June, 2008).

CONFERENCE PRESENTATIONS

27. **Farmer MA**, Arroyo C, Davis D, Schnitzer TJ, Schaeffer AJ, Apkarian AV. Temporal variability of male pelvic pain intensity. Poster presented at the International Pelvic Pain Society, San Diego, CA. (October, 2015).
26. **Farmer MA**, Davis D, Arroyo C, Schnitzer TJ, Schaeffer AJ, Apkarian AV. Fluctuations of pelvic pain intensity in men with urologic chronic pelvic pain syndrome (UCPPS) are modulated with successful treatment. Poster presented at Society for Neuroscience, Chicago, IL. (October, 2015).
25. **Farmer MA**, Huang L, Martucci K, Labus J, Clauw DJ, Harris RE, Mackey S, Mayer EA, Schaeffer J, Apkarian AV. Brain white matter abnormalities in women with urological chronic pelvic pain syndrome: A MAPP neuroimaging study. Poster presented at 15th World Congress of Pain, Buenos Aires, Argentina. (October, 2014).
24. **Farmer MA**, Baria AT, Binik YM, Schweinhardt P, Apkarian AV. Network- but not task-related activity differentiates vulvar touch vs. pain. Poster at Society for Neuroscience, San Diego, CA. (November, 2013).
23. **Farmer MA**, Baria AT, Schweinhardt P, Apkarian AV. The vulvosensation matrix. Poster presented at the Organization for Human Brain Mapping, Seattle, WA. (June, 2013).
22. **Farmer MA**, Maykut CA, Binik YM, & Schweinhardt P. Dissociating nonpainful and painful vulvar mechanical pressure: An examination of psychophysical properties. Poster presented at the 14th World Congress of the International Association for the Study of Pain, Milano, Italy. (August, 2012).

21. **Farmer MA**, Chanda ML, Parks EL, Baliki MN, Apkarian AV, & Schaeffer AJ. Brain functional and anatomical changes in Chronic Prostatitis / Chronic Pelvic Pain Syndrome. Poster presented at the Society for Neuroscience, Washington, DC. (November, 2011).
20. **Farmer MA**, Leja A, Binik YM, Pfaus JG, & Mogil JS. Female sexual motivation in the mouse is impaired by chronic pain. Poster presented at the Society for Neuroscience, San Diego, CA. (November, 2010).
19. **Farmer MA**, Foxen-Craft E, Chan LJ, Becher J, Binik YM, Pfaus JG, & Mogil JS. Acute versus chronic pain: Sex differences in decreased sexual behavior during genital and non-genital pain. Poster presented at McGill University's 2010 Pain Day, Montréal, Canada. (January, 2010).
18. **Farmer MA**, Foxen-Craft E, Becher J, Chan LJ, Binik YM, Pfaus JG, & Mogil JS. "Not tonight, dear": Sex differences in decreased sexual behavior during genital and non-genital pain. Poster presented at the Society for Neuroscience, Chicago, IL. (October, 2009).
17. **Farmer MA**, L. J. Chan, E. Foxen-Craft, J. Becher, Binik YM, Pfaus JG & Mogil JS. "Not tonight, dear": Sex differences in decreased sexual behavior during genital and non-genital pain. Poster presented at the International Academy of Sex Research, San Juan, Puerto Rico. (August, 2009).

Recipient of the 2009 IASR Student Poster Award.
16. **Farmer MA**, E. Foxen-Craft, L. C. Chan, J. M. Becher, Binik YM, Pfaus JG & Mogil JS. Sex differences in the impact of pain on sexual motivation in the mouse. Poster presented at the Quebec Network of Junior Pain Investigators annual meeting, Montréal, Canada. (June, 2009).
15. **Farmer MA**, Taylor AM, MacIntyre LC, Bennett GJ, Ribeiro-da-Silva A, Binik YM, & Mogil JS. A mouse model of provoked vestibulodynia: Vulvar hypersensitivity and altered vulvar innervation following repeated vulvovaginal candidiasis. Poster presented at McGill University's 2009 Pain Day, Montréal, Canada. (January, 2009).
14. **Farmer MA**, Binik YM, MacIntyre LC, Bennett GJ, & Mogil JS. Of mice and women: A mouse model of vestibulodynia following recurrent vulvovaginal candidiasis. Poster presented at 12th World Congress of the International Association for the Study of Pain, Glasgow, Scotland. (August, 2008).
13. **Farmer MA**, Binik YM, MacIntyre LC, Bennett GJ, & Mogil JS. Histological characterization of hypersensitive vulvar tissue in a mouse model of vestibulodynia. Poster presented at the Quebec Network of Junior Pain Investigators annual meeting, Sherbrooke, Canada. (June, 2008).
12. **Farmer MA**, Binik YM, MacIntyre LC, & Mogil JS. Development of an animal model of vestibulodynia following recurrent vulvovaginal candidiasis. Poster presented at the Society for Sex Therapy and Research, Chicago, IL. (March, 2008).

Recipient of 2008 SSTAR Student Poster Award.
11. **Farmer MA**, Binik YM, MacIntyre LC, Pfaus JG, & Mogil JS. Reduced sexual proceptivity and receptivity with vulvar pain using paced mating in the mouse. Poster presented at Society for Sex Therapy and Research, Chicago, IL. (March, 2008).
10. **Farmer MA**, Binik YM, MacIntyre LC, Bennett GJ, & Mogil JS. A mouse model of vestibulodynia following recurrent vulvovaginal candidiasis. Poster presented at McGill University's 2008 Pain Day, Montréal, Canada. (January, 2008).
9. **Farmer MA**, Binik YM, MacIntyre LC, Pfaus JG, & Mogil JS. Reduced sexual receptivity with vulvar and hindpaw zymosan-induced tonic pain. Poster presented at McGill University's 2008 Pain Day, Montréal, Canada. (January, 2008).
8. **Farmer MA**, Binik YM, Bennett GJ & Mogil JS. Altered vulvar mechanical sensitivity in a mouse model of vulvar vestibulitis syndrome using *Candida albicans* infection. Poster presented at International Academy of Sex Research, Vancouver, Canada. (August, 2007).

7. **Farmer MA, Binik YM, & Mogil JS.** Vulvar mechanical sensitivity in a mouse model of vulvar vestibulitis syndrome. Poster presented at McGill University's 2007 Pain Day, Montréal, Canada. (January, 2007).
Recipient of McGill Pain Day Best Basic Science Poster Award.
6. **Farmer MA & Meston CM.** Genital pain as a continuum of sexual functioning. Poster presented at the International Society for the Study of Women's Sexual Health, Las Vegas, NV. (October, 2005).
5. **Farmer MA & Meston CM.** Condom use self-efficacy in a sexually active university sample. Poster presented at the International Academy of Sex Research, Ottawa, Canada. (July, 2005).
4. **Farmer MA & Meston CM.** Religiosity and sexuality in monotheists and atheists. Poster presented at the International Academy of Sex Research, Ottawa, Canada. (July, 2005).
3. **Farmer MA, Ferguson J, & Meston CM.** Sexual predictors of condom use. Poster presented at the Western Region Meeting of the Society for the Scientific Study of Sexuality, San Diego, CA. (April, 2004).
2. **Farmer MA, Rellini AH, & Meston CM.** The relationship between autonomic arousability and female sexual desire. Poster presented at Society for the Scientific Study of Sexuality, San Antonio, TX. (November, 2003).
1. **Farmer MA, Rellini AH, & Meston CM.** Autonomic arousability and female sexual function. Poster presented at the International Academy of Sex Research, Bloomington, IN. (July, 2003).

MEMBERSHIPS

2015 – present	Member, Sexual Medicine Society of North America Basic Science and Mental Health Committees
2015 – present	Full Member, International Society of Sexual Medicine
2011 – present	Member, International Pelvic Pain Society Medical Education and Scientific Program Planning Committees
2008 – present	Member, Society for Neuroscience
2008 – present	Member, International Association for the Study of Pain
2004 – present	Member, International Society for the Study of Women's Sexual Health

EDITORIAL BOARD

2016 - Present	Associate Editor, Sexual Medicine Open Access
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AD HOC REVIEWER

Archives of Sexual Behavior	Journal of Sexual Medicine
British Medical Journal	Nature Reviews Urology
Current Sexual Health Reports	PLoS One
Journal of Pain	Sex and Relationship Therapy
Journal of Sex and Marital Therapy	Sexual Medicine Reviews
Journal of Sex Research	

TEACHING AND MENTORING

McGill University:

Undergraduate Honors Projects Directed

- Halley Crissman (Immunology):
“C. albicans-induced vulvodynia in mice: Contributions of spinal TRPV1 & vaginal TLR4”
- Emily Foxen-Craft (Psychology):
“Suppression of female sexual motivation by inflammatory pain: A mouse model”
- Emily Boucher (Psychology):
“Development of paced mating paradigm in mice”

Northwestern University:

Co-Instructor, Neural Mechanisms of Pain (Spring 2012, 2017)

Mentoring

- James K. Ruffle (visiting from Queen Mary University of London)
“Brain network-based clinical phenotyping of UCPPS associated with sexual activity”
“Subcortical networks mediate sexual dysfunction in men and women”

CLINICAL EXPERIENCE (>3000 clinical hours)

Clinical Research

- 04/2011 – 07/2016 Co-Investigator, clinical assessments for the Multidisciplinary Approach to the Study of Chronic Pelvic Pain (MAPP) Research Network, Northwestern University Discovery Site, Chicago, IL, USA.
- 09/2013 – 08/2016 Project Leader for the clinical trial of d-Cycloserine, “Brain imaging based strategies for treatment of urological chronic pelvic pain syndrome pain,” Northwestern University, Chicago, IL, USA.

Pre-doctoral Internships and Practicums

- 09/2009 – 08/2010 Clinical Internship, Chronic Pain Centre at the Montréal General Hospital. Supervised by Ann Gamsa, Ph.D.

Assessment and treatment of chronic pain using pain management approach combining cognitive behavioral therapy, mindfulness, and emotion-focused therapy. Co-developed a pain management treatment manual for group therapy sessions. Populations included chronic back pain, post-surgical chronic pain, chronic regional pain syndrome, phantom pain, postherpetic neuralgia, chronic visceral pain, and irritable bowel syndrome.

12/2006 – 08/2009 Post-practicum and Clinical Internship, Sex and Couple Therapy Service at the Royal Victoria Hospital, Montréal, Canada.
Supervised by Dennis Kalogeropoulos, Ph.D. and Gerry Wiviott, M.D.

Psychosexual assessment and treatment of female and male sexual dysfunction and couple therapy. Specialized in the following sexual dysfunctions: dyspareunia, vaginismus, female sexual desire disorder, female sexual arousal disorder, female orgasmic disorder, premature ejaculation, and erectile dysfunction.

05/2005 – 08/2006 Practicum, Chronic Pain Centre at the Montréal General Hospital, Quebec.
Supervised by Ann Gamsa, Ph.D.