# Publications:

## Published [a number of journals are requiring the digital object identifier (doi) be included in the reference list of submitted manuscripts.]

M-001 Clemens JQ, Mullins C, Kusek JW, Kirkali Z, et al. **The MAPP research network: a novel study of urologic chronic pelvic pain syndromes.**  [BMC Urol. 2014 Aug 1;14:57](http://www.ncbi.nlm.nih.gov/pubmed/25085007) [PMCID: PMC4134515](http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4134515/) doi: 10.1186/1471-2490-14-57
Available at: <http://www.biomedcentral.com/1471-2490/14/57>

M-002 Landis JR, Williams DA, Lucia MS, Clauw DJ, et al. **The MAPP research network: design, patient characterization and operations**. [BMC Urol. 2014 Aug 1;14:58](http://www.ncbi.nlm.nih.gov/pubmed/25085119). [PMCID: PMC4126395](http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4126395/)
doi: 10.1186/1471-2490-14-58
Available at: <http://www.biomedcentral.com/1471-2490/14/58>

M-004 Clemens JQ, Clauw DJ, Kreder K, Krieger JN, Kusek JW, Lai HH, Rodriguez L, Williams DA, Hou X, Stephens A, Landis JR; MAPP Research Network. Comparison of Baseline Urological Symptoms in Men and Women in the MAPP Research Cohort.
[J Urol. 2015 May;193(5):1554-58](http://www.ncbi.nlm.nih.gov/pubmed/25463989). [Epub ahead of print]. NIHMSID: NIHMS682595
doi: 10.1016/j.juro.2014.11.016.
Available at: <http://www.sciencedirect.com/science/article/pii/S0022534714048617>

M-009 Krieger JN, Stephens AJ, Landis JR, Clemens JQ, Kreder K, Lai HH, Afari N, Rodríguez L, Schaeffer A, Mackey S, Andriole GL, Williams DA; MAPP Research Network.  Relationship between Chronic Nonurological Associated Somatic Syndromes and Symptom Severity in Urological Chronic Pelvic Pain Syndromes: Baseline Evaluation of the MAPP Study.
[J Urol. Apr 2015;193(4):1254-62](http://www.ncbi.nlm.nih.gov/pubmed/25444992)  NIHMSID: NIHMS682426
[doi:10.1016/j.juro.2014.10.086](http://dx.doi.org/10.1016/j.juro.2014.10.086)
Available at: <http://www.sciencedirect.com/science/article/pii/S0022534714047673>

M-011 Kilpatrick LA, Kutch JJ, Tillisch K, Naliboff B, et al. **Alterations in resting state oscillations and connectivity in sensory and motor networks in women with interstitial cystitis/painful bladder syndrome.** [J Urol. Vol. 192, 947-955, September 2014](http://www.ncbi.nlm.nih.gov/pubmed/24681331) [PMCID: PMC4432915](http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4432915/)
doi: 10.1016/j.juro.2014.03.093

M-014 Schrepf A, O’Donnell M, Luo Y, Bradley CS, et al. **Inflammation and inflammatory control in interstitial cystitis/bladder pain syndrome: Associations with painful symptoms**. [Pain. 2014 Sep; 155(9): 1755-61](http://www.ncbi.nlm.nih.gov/pubmed/24907404). [PMCID: PMC4166494 [Available on 2015-09-01]](http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4166494/)
doi: 10.1016/j.pain.2014.05.029

M-015b Farmer MA, Huang L, Martuchi K, Yang CC et al. **Brain White Matter Abnormalities in Female Interstitial Cystitis/Bladder Pain Syndrome: A MAPP Network Neuroimaging Study.** [J Urol. In Press [July 2015]](http://www.ncbi.nlm.nih.gov/pubmed/25711200). NIHMSID: NIHMS683944
doi: 10.1016/j.juro.2015.02.082
Available at: <http://www.sciencedirect.com/science/article/pii/S0022534715003924>

M-016 Stemler KM, Crock LW, Lai HH, Mills JC, Gereau RW 4th and Mysorekar IU:  **Protamine sulfate-induced bladder injury protects from distention induced bladder pain.**
[J Urol 189(1): 343-51, 2013](http://www.ncbi.nlm.nih.gov/pubmed/23174261). [PMCID: PMC3662487](http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3662487/)
doi: 10.1016/j.juro.2012.08.189
Available at: <http://www.sciencedirect.com/science/article/pii/S0022534712048082>

M-022 Sutcliffe S, Colditz GA, Pakpahan R, Bradley CS, et al.  **Changes in symptoms during urologic chronic pelvic pain syndrome symptom flares: Findings from one site of the MAPP Research Network.**   [Neurourol Urodyn. 2015 Feb;34(2):188-95](http://www.ncbi.nlm.nih.gov/pubmed/24273163). [PMCID: PMC4032370 [Available on 2016-02-01]](http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4032370/)  doi: 10.1002/nau.22534
Available at: <http://onlinelibrary.wiley.com/doi/10.1002/nau.22534/pdf>

M-024 Bagarinao E, Johnson KA, Martucci KT, Ichesco E, et al. **Preliminary structural MRI based brain classification of chronic pelvic pain: A MAPP network study**. [Pain. 2014 Dec;155(12):2502-9](http://www.ncbi.nlm.nih.gov/pubmed/25242566) **PMCID: PMC Journal –In Process**.  doi: 10.1016/j.pain.2014.09.002
Available at: <http://www.sciencedirect.com/science/article/pii/S0304395914004229>

M-025 Lai HH, North CS, Andriole GL, Sayuk GS, Hong BA. **Polysymptomatic, Polysyndromic Presentation of Patients with Urological Chronic Pelvic Pain Syndrome**.  [J Urol 187(6):2106-12, 2012](http://www.ncbi.nlm.nih.gov/pubmed/22503014). [PMCID: PMC3957225](http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3957225/)
doi: 10.1016/j.juro.2012.01.081.

M-026 Rudick CN, Taylor AK, Yaggie RE, Schaeffer AJ, Klumpp DJ. **Asymptomatic Bacteriuria Escherichia coli are live biotherapeutics for UTI**. [PLoS One. 2014 Nov 18;9(11):e109321](http://www.ncbi.nlm.nih.gov/pubmed/25405579) [PMCID: PMC4236008](http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4236008/) doi: 10.1371/journal.pone.0109321 Available at <http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0109321>

M-027 Kairys AE, Schmidt-Wilcke T, Puiu T, Ichesco 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 patients with interstitial cystitis/painful bladder syndrome.** [J Urol. 2015 Jan:193(1):131-7](http://www.ncbi.nlm.nih.gov/pubmed/25132239). NIHMSID: NIHMS683438; [PMCID: PMC4435781 [Available on 2016-01-01]](http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4435781/)
doi: 10.1016/j.juro.2014.08.042
Available at: <http://www.sciencedirect.com/science/article/pii/S002253471404213X>

M-032 Sutcliffe S, Bradley C, Clemens JQ, James AS, Konkle KS, Kreder KJ, Lai HHH, Mackey SC, Ashe-McNalley CP, Rodriguez LV, Barrell E, Hou X, Robinson NA, Mullins C., Berry SH. **Urological chronic pelvic pain syndrome flares and their impact: qualitative analysis in the MAPP network.** [Int Urogynecol J. 2015 Mar 20 [Epub ahead of print]](http://www.ncbi.nlm.nih.gov/pubmed/25792349) NIHMSID: NIHMS683466
doi: 10.1007/s00192-015-2652-6
Available at: <http://link.springer.com/article/10.1007/s00192-015-2652-6/fulltext.html>

M-033 Lai HH, North CS, Andriole GL, Cupps L, Song D, Ness TJ, Hong BA. **Urological symptoms in a subset of patients with urological chronic pelvic pain syndrome and a polysymptomatic, polysyndromic pattern of presentation.** [J Urol. 2014 Jun;191 (6):1802-7](http://www.ncbi.nlm.nih.gov/pubmed/24361369). [PMCID: PMC4411959](http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4411959/)
doi: 10.1016/j.juro.2013.12.031

M-040 Jonscher KR, Osypuk AA, van Bokhoven A, Lucia MS. **Evaluation of urinary protein precipitation protocols for the multidisciplinary approach to the study of chronic pelvic pain research network**. [J Biomol Tech. 2014 Dec;25(4):118-26](http://www.ncbi.nlm.nih.gov/pubmed/25365794). [PMCID: PMC4211279](http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4211279/)
doi: 10.7171/jbt.14-2504-004

M-043 Nickel JC, Stephens A, Landis JR, Chen J, et al. **Search for Microorganisms in Men with Urologic Chronic Pelvic Pain Syndrome: A Culture-Independent Analysis in the MAPP Research Network**. [J Urol. 2015 Jan 14](http://www.ncbi.nlm.nih.gov/pubmed/25596358). NIHMSID: NIHMS683926
[doi:10.1016/j.juro.2015.01.037](http://dx.doi.org/10.1016/j.juro.2015.01.037)
Available at: <http://www.sciencedirect.com/science/article/pii/S0022534715000580>

M-046 Schrepf A, Bradley CS, O'Donnell M, Luo Y, Harte SE, Kreder K, Lutgendorf S; Multidisciplinary Approach to the Study of Chronic Pelvic Pain (MAPP) Research Network. **Toll-like Receptor 4 and comorbid pain in Interstitial Cystitis/Bladder Pain Syndrome: A Multidisciplinary Approach to the Study of Chronic Pelvic Pain research network study.** [Brain Behav Immun. 2015 Mar 11](http://www.ncbi.nlm.nih.gov/pubmed/25771510). PMCID: PMC Journal In Process
doi: 10.1016/j.bbi.2015.03.003
Available at: <http://www.sciencedirect.com/science/article/pii/S0889159115000744>

M-053 Sutcliffe S, Colditz GA, Goodman MS, Pakpahan R, Vetter J, Ness TJ, Andriole GL, Lai HH. Urologic Chronic Pelvic Pain Syndrome Symptom Flares: Characterization of the Full Spectrum of Flares at Two Sites of the MAPP Research Network. [BJU Int. 2014 Dec;114(6):916-25](http://www.ncbi.nlm.nih.gov/pubmed/24730356). NIHMSID: NIHMS585547; [PMCID: PMC4198521 [Available on 2015-12-01]](http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4198521/)
doi: 10.1111/bju.12778
Available at: [http://www.pubfacts.com/detail/24730356/Urologic-Chronic-Pelvic-Pain-Syndrome-Symptom-Flares:-Characterization-of-the-Full-Spectrum-of-Flare](http://www.pubfacts.com/detail/24730356/Urologic-Chronic-Pelvic-Pain-Syndrome-Symptom-Flares%3A-Characterization-of-the-Full-Spectrum-of-Flare)

Crock LW, Kolber BJ, Morgan CD, Sadler KE, Vogt SK, Bruchas MR, Gereau RW 4th.
Central amygdala mGluR5 in the modulation of visceral pain.
[J Neurosci 10;32(41):14217-26, 2012](http://www.ncbi.nlm.nih.gov/pubmed/23055491). [PMCID: PMC3494864](http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3494864/)
doi: 10.1523/JNEUROSCI.1473-12.2012
Available at: <http://www.jneurosci.org/content/32/41/14217.long>

Chaturvedi KS, Hung CS, Crowley JR, Stapleton AE, Henderson JP.
The siderophore yersiniabactin binds copper to protext pathogens during infection.
[Nat Chem Biol 8(8):731-6, 2012](http://www.ncbi.nlm.nih.gov/pubmed/22772152). [PMCID: PMC3600419](http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3600419/)
doi: 10.1038/nchembio.1020 Available at: <http://www.nature.com/nchembio/journal/v8/n8/full/nchembio.1020.html>

Rudick CN, Jiang M, Yaggie RE, Pavlov VI, Done J, Heckman CJ, Whitfield C, Schaeffer AJ, Klumpp DJ.
O-Antigen Modulates Infection-Induced Pain States.
PLoS One 7(8):e41273, 2012. [PMCID: PMC3416823](http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3416823/)
doi: 10.1371/journal.pone.0041273
Available at: <http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0041273>

Lai HH, Qiu CS, Crock LW, Morales ME, Ness TJ, Gereau RW 4th. Activation of spinal extracellular signal-regulated kinases (ERK) 1/2 is associated with the development of visceral hyperalgesia of the bladder. [Pain 152(9):2117-24, 2011.](http://www.ncbi.nlm.nih.gov/pubmed/21705143) [PMCID: PMC3157542](http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3157542/)
doi: 10.1016/j.pain.2011.05.017

Kim R, Liu W, Chen X, Kreder KJ, Luo Y. Intravesical Dimethyl Sulfoxide Inhibits Acute andChronic Bladder Inflammation in Transgenic ExperimentalAutoimmune CystitisModels.
[J Biomed Biotechnol 2011:937061, 2011](http://www.ncbi.nlm.nih.gov/pubmed/21113298) [PMCID: PMC2989383](http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2989383/)
doi: 10.1155/2011/937061
Available at: <http://www.hindawi.com/journals/bmri/2011/937061/>

Lv H, Hung CS, Chaturvedi KS, Hooton TM, Henderson JP. Development of an Integrated Metabolomic Profiling Approach for Infectious Diseases Research.
[Analyst 136(22):4752-63, 2011](http://www.ncbi.nlm.nih.gov/pubmed/21922104). [PMCID: PMC3746514](http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3746514/)
doi: 10.1039/c1an15590c
Available at: <http://pubs.rsc.org/en/Content/ArticleLanding/2011/AN/c1an15590c#!divAbstract>

Lv H, Henderson JP:   Yersinia High Pathogenicity Island genes modify the Escherichia coli primary metabolome independently of siderophore production.
[J Proteome Res. 2011 Dec 2;10(12):5547-54](http://www.ncbi.nlm.nih.gov/pubmed/22035238) [PMCID: PMC3626101](http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3626101/)
doi: 10.1021/pr200756n.
Available at: <http://pubs.acs.org/doi/abs/10.1021/pr200756n>

Rodríguez MÁ, Afari N, Buchwald DS; Evidence for overlap between urological and non-urological unexplained clinical conditions.
[J Urol. 2009 Nov; 182(5):2123-31](http://www.ncbi.nlm.nih.gov/pubmed/19758633). [PMCID: PMC2957306](http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2957306/)
doi: 10.1016/j.juro.2009.07.036
Available at: <http://www.sciencedirect.com/science/article/pii/S0022534712054845>

## Accepted

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| **MS#** | **Manuscript** | **Journal** | **Determination** |
| M-020 | Klumpp DJ, Gereau RW, Luo Y, O’Donnell M, et al. **Animal Models of Urologic Chronic Pelvis Pain Syndromes: Consensus of the MAPP Research Network.** NIHMSID: NIHMS673726 | J Urol | Accepted pending for 2015 issue |
| M-062 | Martucci K, Bagarinao E, Johnson K, Mackey S. **Altered Functional Connectivity of the Posterior Cingulate Cortex and Left Precuneus (within the Default Mode Network) in Chronic Pelvic Pain: A Resting State fMRI Analysis from the MAPP Research Network**. | J Pain | Accepted pending minor revisions |

## Submitted

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| **MS#** | **Manuscript** | **Journal** | **Date Submitted** |
| M-005 | Naliboff B, Buchwald D, Hong B, Strachan E, Afari N, Mackey S, Lutgendor S, Rodriguez L, Lai H, Williams D, Krieger J, and the MAPP Research Network. **Baseline Non-urologic Phenotyping Data in the Mapp Cohort**.  | J Urol |  |
| M-034 | Kutch J, Mayer E, Cosand L, Kirage D, Yani M, Rana M, Ashe-McNalley C, **Altered motor cortical activity and connectivity specific to the pelvic floor in patients with Chronic Prostatitis/Chronic Pelvic Pain Syndrome (CP/CPPS): a Trans-MAPP Neuroimaging Study.** | J Neurosci | Nov 2014 |
| M-037 | Ellingson B, Mayer E, Ashe-McNalley C, Tillisch K, Kilpatrick L, Naliboff B. **Microstructural changes in the brain associated with urological chronic pelvic pain syndrome (UCPPS) and irritable bowel syndrome (IBS) measured using high-order diffusion tensor imaging (DTI) and super-resolution tract density imaging**.  | PLos One |  |
| M-049 | Lai H, Kreiger J, Buchwald D, Pontari M, Mackey S. **Bladder Phenotyping of Men and Women with Urologic Chronic Pelvic Pain Syndrome: Baseline Evaluation of Male and Female Cases in the NIH MAPP Study**.  | J Urol |  |
| M-059 | Strachan E, Yang C, Afari N, Sundsvold TJ, Krieger J, Buchwald D. Brief Report: Pelvic Pain, Fatigue, and Trait Mindfulness: **A MAPP Network Study.**  | J Behav Med |  |
| M-061 | Yang C, Ah Goo Y, Goodlett D, Strachan D, Buchwald D. **Monozygotic twin urine proteomes are heterogeneous.**  | Twin Res Hum Genet |  |

## In Preparation

M-006 Afari N, Buchwald D, Hong B, Clauw D, Strachan E, Mullins C, Williams D, Krieger J, and the MAPP Research Network. **Baseline urologic and non-urologic phenotyping data in MAPP subjects with non-urologic pain syndromes**.

M-007 Rodriguez L, Stephens A, Buchwald D, Yang C, Clemens JQ, Lai H, Krieger J, Bradley C, and the MAPP Research Network. **Impact of Symptom Duration on Baseline Characteristics of the MAPP Cohort.**

M-010 Sutcliffe S, Clemens JQ, Naliboff B, Rodriguez L, Labus J, Yang C, Krieger J, Lai H, Colditz G, Andriole G, Wolin K, Hooton T, Yan Y, Mackey S, Kreder K, Bradley C, Kusek J, Landis JR, Cin L, Robinson N, TATC, and the MAPP Research Network. **Risk factors for urologic chronic pelvic pain symptom flares in the Multidisciplinary Approaches to the study of chronic Pelvic Pain Epidemiology and Phenotyping Study.**

M-015a Apkarian V, Farmer M, Clauw D, Mackey S, and the MAPP Research Network. **Brain White Matter changes associated with urogenital chronic pelvic pain syndrome: Multi-site neuroimaging form a MAPP case-control study**.

M-017 Colditz G, Sutcliffe S, Clemens JQ, Mullins C, Bradley C, Lai H, Krieger J, and the MAPP Research Network. **Longitudinal patterns of urologic chronic pelvic pain symptom flares and predictors of these patterns in the Multidisciplinary Approaches to the study of chronic Pelvic Pain Epidemiology and Phenotyping Study.**

M-018 Apkarian V, Farmer M, Clauw D, Mackey S, and the MAPP Research Network. **Resting State Connectivity of NAc Core and Shell Predicts Recovery from and Persistence of UCPPS**.

M-019 Naliboff B, Kusek J, Sutcliffe S, Clemens JQ, Kreder K, Rodriguez L, Lai H, Williams D, and the MAPP Research Network. **Longitudinal Symptom Patterns in Women with Urological Chronic Pelvic Pain Syndromes (UCPPS).**

M-021 Labus J, Mackey S, and the MAPP Research Network. **Complex network analysis of structural and functional brain networks in female patients with Interstitial Cystitis/Painful Bladder Syndrome (IC/PBS) compared to healthy controls (HCs) in the transMAPP Neuroimaging study.**

M-023 Sutcliffe S, Colditz G, Lai HH, Andriole G. **Meteorological factors and allergens in relation to UPPS symptom flares.**

M-029 Afari N, Strachan E, Dansie E, Yang C, Krieger J, Sundsvold TJ, Buchwald D. **Increased Physical Activity Is Associated with Lower Risk of Interstitial Cystitis-like Symptoms in Female Twins.**

M-031 Lutgendorf S, Schrepf A, O’Donnell M, Bradley C, Luo Y, Zimmerman B, Kreder K.  **Impact of Severe Life Adversity on Physiological Pathways and Symptoms in Interstitial Cystitis/Painful Bladder Syndrome: Findings from the Multidisciplinary Approach to Pelvic Pain (MAPP) Study.**

M-035 Lai H, Andriole G, Colditz G, Sutcliffe S. **Patient reported triggers and management of flares in urologic chronic pelvic pain syndrome**

M-036 Luo Y, O’Donnell M, Kreder K, Bradley C. **Mast Cells Mediate Bladder Inflammation in a Transgenic Mouse Model of Experimental Autoimmune Cystitis**.

M-038 Nickel C, Stephens A, Ehrlich G. **Search for Microorganisms in Women with Interstitial Cystitis/Bladder Pain Syndrome: A Culture-Independent Analysis of Cases and Controls Enrolled in the MAPP Study**

M-039 Harte S, Clauw D, Landis JR, Hou X, Halvorson M. **Quantitative Assessment of Pressure Pain Sensitivity in the MAPP Research Network**

M-041 Griffith J, Menendez B, Tu F. **Neuroticism and trajectory of pelvic pain symptoms.**

M-042 Nickel C, Ehrlich G, Stephens A. **Role of Microorganisms in Women with Interstitial Cystitis/Bladder Pain Syndrome Flares: A Culture-Independent Analysis of Flare cases vs. non-Flare cases Enrolled in the MAPP Study**

M-044 Clemens JQ, Stephens A, Lai H, Krieger J, Afari N, Naliboff B, Williams D, Rodriguez L, Kusek J. **Healthcare Seeking in the MAPP cohort**

M-045 Stephens A, Clemens JQ, Landis JR. **The Importance of Accounting for Regression to the Mean in Studies of Urological Chronic Pelvic Pain Syndrome**

M-047 Martucci K, Bagarinao E, Johnson K, Mackey S, Labus J, Harris R. **Altered Functional Connectivity of the Posterior Cingulate Cortex Predicts the Presence of Chronic Pelvic Pain: A Resting State fMRI Analysis from the MAPP Research Network.**

M-048 Lutgendorf S, Schrepf A, O’Donnell M, Luo Y, Bradley C, Kreder K. **Inflammatory Dysregulation Predicts Symptom Trajectories in Interstitial Cystitis: The Roles of the Hypothalamic Pituitary Adrenal Axis and Toll-Like Receptors 2 and 4- Lutgendorf.**

M-051 Harris R, Puiu T, Schmidt-Wilcke T, Ichesco E, Clauw D. **Regional gray matter volume differences in male UCPPS patients compared to healthy controls and female UCPPS**.

M-052 Puiu T, Schmidt-Wilcke T, Ichesco E, Clauw D. **Gray Matter Differences in CPPS as Predictors of Longitudinal Changes in Clinical measures.**

M-055 Martucci K, Bagarinao E, Johnson K, Mackey S. **Detecting differences in GM volume using SVM - UCPPS versus FM**

M-056 Yang C, Maravilla K, Strachan E, Buchwald D. **Alterations in connectivity on fMRI with lower urinary tract symptom provocation in urologic chronic pelvic pain syndrome (UCPPS)**.

M-057 Griffith J, Menendez B, Tu F, Klumpp D, Gershon R. **Associations of pelvic pain severity with depression and anxiety: Evidence from computer adaptive testing**.

M-060 Afari N, Gasperi M, Forsberg C, Goldberg J, Buchwald D, Krieger J. **Heritability of Lower Urinary tract Symptoms in Men.**

M-063 Henderson J, Chaturvedi K, Hooton T, Bokhoven A, Stephens A, Mullins C. **Urinary Metabolomics Identifies a Molecular Correlate of Interstitial Cystitis/Painful Bladder Syndrome in Women**.

M-064 Algers J, Mayer E and the MAPP Neuroimaging Working Group. **The TransMAPP MRI Study.**

M-065 J Griffith and the MAPP PRO Working Group. **Dimensionality of pelvic pain symptoms: Results from the Multidisciplinary Assessment of Pelvic Pain Research Network.**

M-066 Ness J, Deutsch G. **Bladder Distension Increases Blood Flow in Pain-Related Brain Structures in Subjects with Interstitial Cystitis**.

M-067 Harris R. **Structural and resting state functional connectivity neural correlates of the degree of chronic widespread pain centralization.**

M-068 Luo Y. **Excess MCP-1 enhances bladder inflammation and symptoms.**

# Abstracts

## AUA 2015 (Accepted)

M-049 Lai H, Kreiger J, Buchwald D, Pontari M, Mackey S. Bladder Phenotyping of Men and Women with Urologic Chronic Pelvic Pain Syndrome: Baseline Evaluation of Male and Female Cases in the NIH MAPP Study.

M-056 Yang C, Maravilla K, Strachan E, Buchwald D. Alterations in connectivity on fMRI with lower urinary tract symptom provocation in urologic chronic pelvic pain syndrome (UCPPS).

## AUA 2015 (Submitted)

M-065 J Griffith and the MAPP PRO Working Group. Dimensionality of pelvic pain symptoms: Results from the Multidisciplinary Assessment of Pelvic Pain Research Network.

## AAGUS 2014 (Accepted)

M-038 Nickel C, Stephens A, Ehrlich G. A Search for microorganisms in patients with Interstitial Cystitis/Bladder Pain Syndrome (IC/BPS) and Chronic Prostatitis/Chronic Pelvic Pain Syndrome (CP/CPPS): A culture independent analysis of cases and controls in the MAPP Epidemiology/Phenotyping Study

## APS 2014 (Accepted)

M-014 Schrepf A, Lutgendorf S, O’Donnell M, Luo Y, Bradley C, Kreder K. Toll-Like Receptor 4 and Inflammation in Interstitial Cystitis/Painful Bladder Syndrome: Associations with Painful Symptoms

Martucci I, Mackey S. Regional Gray Matter Density Differences Predict Classification of Chronic Pelvic Pain and Fibromyalgia: Findings from the MAPP Research Network.

## AUA 2014 (Accepted)

M-014 Schrepf A, Lutgendorf S, O’Donnell M, Luo Y, Bradley C, Kreder K. Inflammatory Biomarkers are Associated with Co-Morbid Pain Conditions in UCPPS Patients: a MAPP Study

M-032 Sutcliffe S, Bradley C, Clemens Q, James A, Konkle K, Lai H, Rodriguez L, Berry S. Symptom Variability and its Impact Among Female Interstitial Cystitis/Bladder Pain Syndrome Patients in the MAPP Research Network: An In-Depth Qualitative Analysis

M-043 Nickel C, Ehrlich G, Stephens A. Search for Microorganisms in Men with Urologic Chronic Pelvic Pain Syndrome: A Culture-Independent Analysis of Cases and Controls Enrolled in the trans-MAPP Epidemiology/Phenotyping (EP) Study

M-044 Clemens JQ, Stephens A, Lai H, Krieger J, Afari N, Naliboff B, Williams D, Rodriguez L, Kusek J. Healthcare Seeking in the MAPP cohort

M-045 Stephens A, Clemens JQ, Landis JR. The Importance of Accounting for Regression to the Mean in Studies of Urological Chronic Pelvic Pain Syndrome

## CUA 2014 (Accepted)

M-038 Nickel C, Stephens A, Ehrlich G. A Search for microorganisms in Patients with Urologic Chronic Pelvic Pain Syndromes: A culture independent analysis of cases and controls in the NIH MAPP EP study

## IASP 2014 (Accepted)

M-047 Martucci KT, Shirer W, Bagarinao E, Johnson KA, Farmer MA, Apkarian AV, Deutsch G, Harris RE, Mayer E, Labus J, Clauw D, Greicius M,Mackey S. Altered Functional Connectivity of the Posterior Cingulate Cortex Predicts the Presence of Chronic Pelvic Pain: A Resting State fMRI Analysis from the MAPP Research Network.

## SUFU 2014 (Accepted)

M-033 Lai H, North C, Andriole G, Cupps L, Song D, Ness T, Hong B. Urologic Symptoms of a Subset of UCPPS Patients with Poly-symptomatic, Poly-syndromic Presentation - a MAPP Research Network Study -

## AUA 2013

M-004 Clemens JQ, Clauw D, Kreder K, Krieger J, Kusek J, Lai HH, Rodriguez L, Williams D, and the MAPP Research Network. Comparison of Baseline Urologic Symptoms in Men and Women in the Multidisciplinary Approach to the Study.

M-006 Afari N, Buchwald D, Clauw D, Hong B, Hou X, Krieger J, Mullins C, Stephens A, Landis JR, Williams D, and the MAPP Research Network. Urologic and non-urologic characteristics of men and women with non-urologic pain syndromes compared with urologic chronic pelvic pain syndromes.

M-007 Rodriguez L, Stephens A, Clemens JQ, Yang C, Buchwald D, Lai HH, and the MAPP Research Network. Impact of Symptom Duration on Baseline Characteristics of the Multidisciplinary Apporach to Pelvic Pain (Mapp) Study Cohort.

M-009 Krieger J, Stephens A, Landis JR, Afari N, Andriole G, and the MAPP Research Network. Comparison of baseline factors in persons with urologic chronic pelvic pain syndromes (UCPPS) with and without other Non-Urological Syndromes.

Nickel JC, Stephens A, Chen J, Melton-Kreft R, Spirk T, Earl J, O’Toole M, Costerton JW, van Bokhoven A, Mullins C, Ehrlich G, and the MAPP Research Network. Application of State-of-the-Art Methods to Search for Microbial Contributions to the Etiology of Urological Chronic Pelvic Pain Syndrome (UCPPS)

M-022 Sutcliffe S, Colditz, G, Pakpahan R, Goodman M, Andriole G, Lai HH. Symptoms, Health Care Utilization, and Bother Associated with Urologic Chronic Pelvic Pain Symptom Flares of Varying Duration: Results from the MAPP Study.

## SUFU 2013

M-007 Rodriguez L, Stephens A, Clemens JQ, Yang C, Buchwald D, Lai HH, and the MAPP Research Network. Impact of Symptom Duration on Baseline Characteristics of the Multidisciplinary Apporach to Pelvic Pain (Mapp) Study Cohort.

M-004 Clemens JQ, Clauw D, Kreder K, Krieger J, Kusek J, Lai HH, Rodriguez L, Williams D, and the MAPP Research Network. Comparison of Baseline Urologic Symptoms in Men and Women in the Multidisciplinary Approach to the Study.

Lai HH, Andriole G, Pakpahan R, Colditz G, Sutcliffe S. Self-reported triggers and management of flares in urologic chronic pelvic pain syndrome (UCPPS) - from the MAPP Study.

## Organization for Human Brain Mapping 2013

Martucci KT, Bagarinao E, Johnson KA, Shirer W, Greicius M, Farmer MA, Apkarian AV, Deutsch G, Harris RE, Meyer E, Labus J, Clauw D, Mackey S. Altered Functional Connectivity in Chronic Pelvic Pain: Dual Regression Analysis of Brain Resting State fMRI.

## AUA 2012

Sutcliffe S, Colditz G, Pakpahan R, Song D, Bristol R, Gardner V, Andriole G, Lai HH. Frequency and duration spectrum of urologic chronic pelvic pain symptom flares

## AUA 2010

M-028 Strachan E, Yang C, Afari N, Dansie E, Krieger J, Buchwald D. Heritability of Interstitial Cystitis/Painful Bladder Syndrome Symptoms: A Classical Twin Study.

Strachan E, Afari N, Sundsvold TJ, Yang C, Krieger J, Buchwald D. Chronic Pelvic Pain, Chronic Fatigue, and Trait Mindfulness: Preliminary Results from a MAPP-Network Study.

M-029 Afari N, Strachan E, Dansie E, Yang C, Krieger J, Sundsvold TJ, Buchwald D. Increased Physical Activity Is Associated with Lower Risk of Interstitial Cystitis-like Symptoms in Female Twins.

Wang X, Liu L, Wu S, O’Donnell M, Kreder K, Luo Y. The Role of Mast Cells in Bladder Inflammation And Voiding Symptoms.

## Joint International Nerogatroenterology and Motility Meeting 2012

Coss-Adame E, Valestin J, Bradley C, Kreder K, Rao S. Investigation of the efferent spinofugal axis by trans-lumbar and trans-sacral magnetic stimulation in irritable bowel syndrome (IBS) and interstitial cystitis (IC).

## Society for Neuroscience 2012

M-015 Farmer M, Berger S, Mansour A, Ellingson B, Landis JR, Mayer E, and the MAPP Research Network. White matter abnormalities associated with chronic visceral pain: Preliminary data from the Multi-disciplinary Approach to the Study of Chronic Pelvic Pain (MAPP) Network.

## Student Presentations 2012

Blaisdell C, Arunachalam R, Eno M, Kreder K, Bradley C, O’Donnell M, Luo Y, Clevenger L, Schrepf A, Lutgendorf S. Central versus Peripheral Etiology in Interstitial Cystitis/Painful Bladder Syndrome: Early Findings from the Multidisciplinary Approach to Pelvic Pain (MAPP) Study.