

A Multidisciplinary Approach to the Study of Chronic Pelvic Pain Syndromes: The NIDDK MAPP Research Network



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Urologic Chronic Pelvic Pain: Need for New Approaches for Old Problems....

Urologic Chronic Pelvic Pain Syndromes (UCPPS)

- ✓ Interstitial Cystitis/Painful Bladder Syndrome (IC/PBS)
- ✓ Chronic Prostatitis/Chronic Pelvic Pain Syndrome (CP/CPSP)

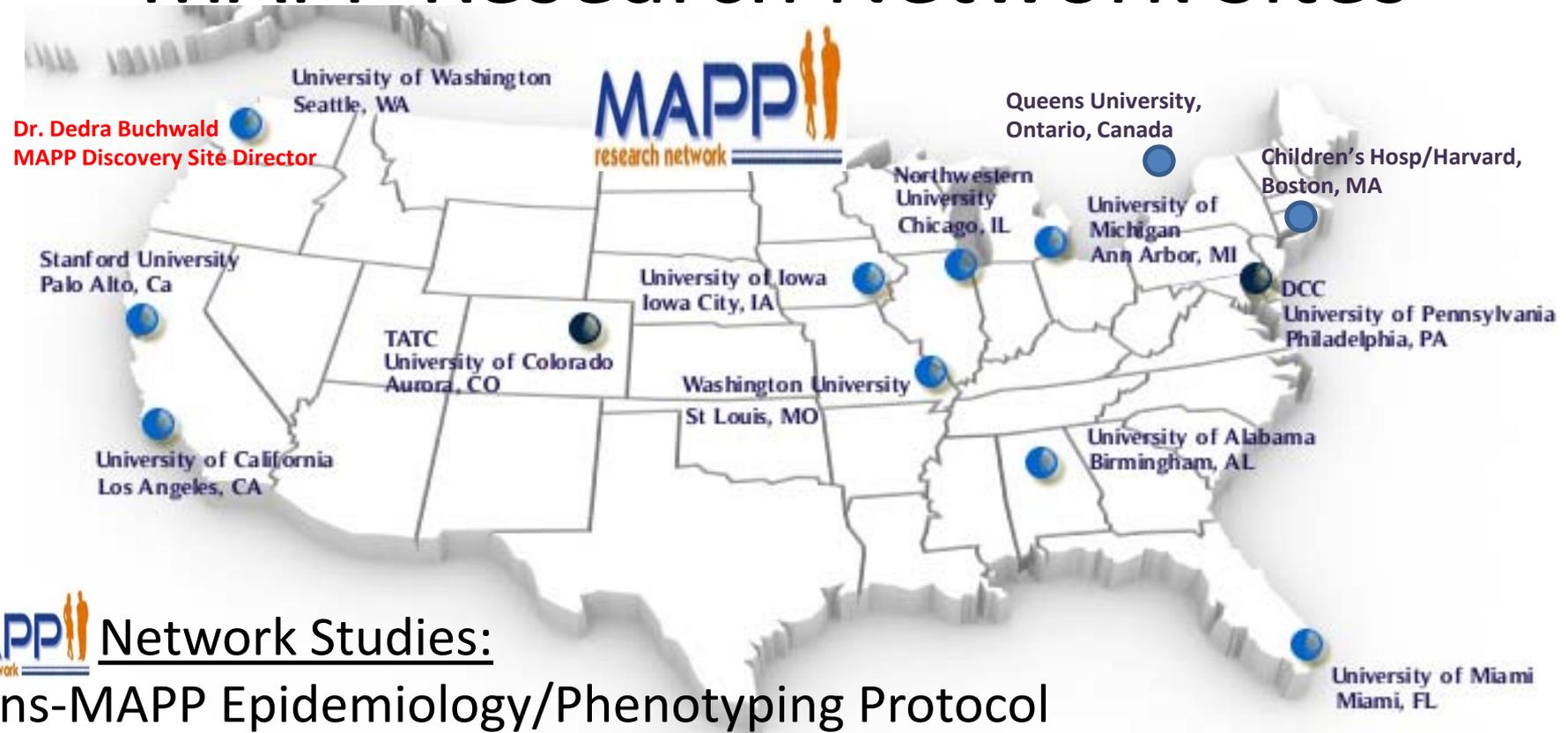
Research History: Multiple Clinical & Basic Science Studies over 15 Years

- ✓ No effective treatments or “risks” identified.
- ✓ No significant insights into etiology or pathophysiology.
- ✓ UCPPS have associated co-morbidities, including **Chronic Fatigue Syndrome**, IBS, and FM, suggesting these are systemic disorders.

New Approach to the Study of UCPPS : The MAPP Research Network

- ✓ Looking beyond “organ-specific” to “systemic” disease potentially involving multiple disorders, including **Chronic Fatigue Syndrome**, IBS, and FM.
- ✓ Highly collaborative, multidisciplinary effort with broad expertise.
- ✓ Novel methods/approaches to address etiology and natural history.

MAPP Research Network Sites



MAPP Network Studies:

Trans-MAPP Epidemiology/Phenotyping Protocol

Trans-MAPP Biomarker Protocol

Trans-MAPP Infectious Etiology Protocol

Trans-MAPP Functional Neurobiology Protocol

Trans-MAPP Structural Neurobiology Protocol

14 Discovery Site-Specific Studies

Ancillary Studies

Participants Recruited at Discovery Site Clinics

UCPPS (assess for **CFS**, FM, IBS)
 Positive Controls (**CFS**, FM, IBS)
 Healthy Controls

Trans-MAPP Phenotyping Visits

(Baseline, 6 months, 12 months)

- Intensive phenotyping to assess urologic and non-urologic symptoms / physical measures at baseline
- In-clinic visits

Standardized Baseline and Longitudinal Biosample Collection
 Storage at the TATC

Trans-MAPP Epidemiology Follow-up

- Bi-weekly and Bi-monthly longitudinal symptom assessment
- Participant data entry via internet

Standardized Flare and non-Flare Biosample Collection
 Storage at the TATC

Only participants enrolled in the Phenotyping and Epidemiology Study will be permitted to enroll into other MAPP studies

Trans-MAPP and Site-specific Studies

- Selected subjects assessed according to Site-specific and other Trans-MAPP Studies
- Data/biosamples collected longitudinally as participants are followed in Phenotyping/ Epidemiology Study

Neurobiology / Neuroimaging Studies

Organ Cross-Talk / Pain Pathway Studies

Infectious Etiology Studies

Biomarkers / Immuno/ Endocrine Studies

The MAPP Research Network is Expected to Stimulate **NEW** Research Applications for UCPPS, as well as Co-Morbid Conditions including **Chronic Fatigue Syndrome...**

- Creation of a **national resource** of extensive clinical data linked to biological samples (NIDDK Central Repository) for future mining.
- Network findings will act as an **engine for hypothesis-generation** in future applications.
- MAPP Network “**Ancillary Studies Program**” (internal and external investigators) for next several years.
- **Follow-on studies** and multi-disciplinary teams are expected to look to the NIDDK and other NIH Institution/Centers for continued support.
- **Continued cooperation** between the NIDDK and the Chronic Fatigue Working Group to foster common missions.