

M2D2 and UMass Worcester (UMW)

Research Infrastructure &
Clinical Expertise

April 30th, 2008

SBNoone/UMW

The UMW contribution to M2D2:

- Clinical experts for consultation
- Responsive and growing research infrastructure
- Rich patient pool for clinical study recruitment
- Facilitate animal studies (link internally or to external partner)

Description of UMW

- One of five UMass campuses
- Schools within UMass Worcester:
 - School of Medicine (1st class 1970)
 - Graduate School of Biomedical Sciences
 - Graduate School of Nursing
- New education initiatives:
 - Ph.D. Clinical & Population Health Research
 - Masters in Clinical Investigation
 - Certificate in Clinical Study Management

Research is at the core of our science,
education and clinical initiatives



UMass Memorial Health Care

- Largest health care system in central and western Massachusetts – over 12,000 employees
- Includes UMass Memorial Medical Center in Worcester and 4 member hospitals
- UMass Memorial Medical Center:
 - 771 licensed beds across 2 Worcester campuses
 - Over 43,000 hospital admits/year
 - Over 122,000 emergency room visits /year
 - In 2006, more than one million outpatient visits
 - 1057 active physician staff and over 2000 RNs

UMass Memorial Medical Center...

- Includes University Commons (long-term nursing facility)
- Home health and hospice program
- Only designated Level One Trauma Center in central MA for adults & children
- First hospital-based air ambulance in New England - LifeFlight
- Only Level III Newborn Intensive Care Unit in region

UMass Memorial Medical Center...

- Research interests are broad - linked to our nationally known clinical expertise:
 - Medicine (cardiovascular, diabetes/endocrine)
 - Orthopedics
 - Psychiatry
 - Surgery
 - Cancer
 - Neurology
 - Intensive care through lifespan (adult, child, neonate)
 - Pediatrics/Children's Medical Center
 - Emergency medicine and trauma
 - Women's services (OBS, urogynecology, cancer)

Clinical experts involved in M2D2 discussions:

- Surgery (general/specialty, urologic surgery) (Center for Endoscopic Surgery)
- Anesthesia (e.g., non-invasive measurement of blood and tissue chemistry)
- Plastic surgery (e.g., wound healing)
- Orthopedics and joint disease
- Neurology – MS/PD/neurodegenerative diseases (movement and stability/safety)
- Cardiology and vascular disease
- Women's health - Urogynecology

Research infrastructure

- **Focus on efficient and reliable study initiation and conduct**
 - Single point of contact – Office of Research
 - Dedicated Clinical Trials Unit
 - Reengineered study initiation process
 - Ongoing GCP (Good Clinical Practice) training
 - Launching Certificate in Clinical Study Management in late 2008
- **Commitment to ensuring institutional support for investigators & research staff**

Research infrastructure....

- Centralizing patient recruitment and retention service – July 2008
- Desire to become an ideal site for industry
- Current human studies:
 - 860 open studies
 - Approx. 275-300 of those are clinical trials (drug, device, combination)
 - Dedicated Clinical Trials Unit (ambulatory)
 - Plans underway for an inpatient research unit

Take home message ...

- We have the desire and expertise to partner with industry, including medical device companies as **Consultants** or **Clinical Trial Partners**
- We have the desire to conduct studies that **make a difference** for health & well-being of our patients and greater community – large or small-scale

Thanks for your attention...

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