Meeting with Pamela and Leslie Muma

Date: February 13, 2007
Time: 12:30 – 2:00 pm
Location: Mise en Place
USF Health’s Goal

USF Health’s goal is to create a world class Center for Developmental Genetics and Neonatology in Tampa which will be the destination of choice for the advanced care of critically ill newborns.
USF Health’s Goal

• To elevate the Division of Neonatology to national prominence through cutting edge, evidence-based medicine

• To further enhance comprehensive neonatal clinical care at the expanded NICU at TGH

• To bring multidisciplinary basic and translational research to the bedside

• To recruit and retain outstanding physicians, scientists, fellows, students, and support staff
Pamela and Leslie Muma
Endowed Chair
Pamela and Leslie Muma Endowed Chair Search Committee (Proposed)

- David Keefe, MD, Chair, OB/GYN (Committee Chair)
- Pam or Les Muma
- Charles Paidas, MD, Chief, Pediatric Surgery
- Patricia Emmanuel, MD, Department of Pediatrics
- Jeff Krischer, PhD, Department of Pediatrics
- Terri Ashmeade, MD, Chief, Neonatology
- Greg Alexander, ScD, Perinatal Epidemiology
- Ruben Quintero, MD, Chief, Maternal/Fetal Medicine
- Deana Nelson, RN, TGH
- Pam Sanders, RN, Nurse Manager TGH
- Tom Klein, PhD, Department of Molecular Medicine

**External Consultants:**
- Robert Kleigman, MD, Muma Chair of Pediatrics, Medical College of Wisconsin
- Charles F. Simmons, Jr., MD, Chair, Department of Pediatrics, Ahmanson Pediatric Center, Director, Division of Neonatology and Director of NICU at Cedars-Sinai Medical Center

**Ex-Officio Members:**
- Robert Nelson, MD, Chair, Department of Pediatrics
- Abdul S. Rao, MD, MS, DPhil, Senior Associate Vice President
Pamela and Leslie Muma
Endowed Chair

Timeline

2007-08

1. Finalize Job Description
   3rd week of February, 2007

2. Advertise Position
   March, 2007

3. Interview
   Summer, 2007

4. Letter of Offer
   Fall, 2007

5. Position Starts
   Spring or Summer 2008
   (negotiable)

- New England Journal of Medicine
- Pediatric Research
- American Journal of Perinatology
Executive Recruitment Firm

Judith M. von Seldeneck, Chairman & CEO
Andrew C. Wheeler, Managing Director
Leslie Mazza, Consultant
About Diversified Search/Ray & Berndston

- Top 10 retained search firms in the United States;

- Healthcare and higher education sectors represent the most served industries;

- Exclusive U.S. partner for Ray & Berndston, the 5th largest search firm in the world with 51 offices in the 32 countries;

- Reputaion for excellence for over 32-years with consistent recognition as an industry leader of consultative retained executive search services; and

- Longstanding client relationships as evidenced by a 75 percent repeat business rate.
Select Healthcare and Higher Education Clients for Senior Executive, Academic and Administrative Searches

- Ascension Health
- Arizona State University
- Bowdoin College
- Carnegie Mellon University
- Children’s Hospital of Boston
- Children’s Hospital of Philadelphia
- Dana-Farber Cancer Institute
- Drexel University
- Duke University
- Georgia Institute of Technology
- Johns Hopkins University
- London Business School
- Massachusetts Institute of Technology
Select Healthcare and Higher Education Clients for Senior Executive, Academic and Administrative Searches

- Middlebury College
- MD Anderson Cancer Center
- Montefiore Medical Center
- Partners Healthcare
- University of Pennsylvania
- SSM Healthcare
- Stanford University
- St. Christopher’s Hospital for Children
- UPMC Health System
- Williams College
Lisa Muma Weitz
Center for Microscopy & Cell Imaging
Lisa Muma Weitz Center for Microscopy & Cell Imaging

- Located in the College of Medicine at USF Health North Campus
- Approximately 3,000 square feet
- Includes state-of-the-art microscopy & cell imaging equipment
- Only such facility in the State of Florida
- Second such facility in the U.S.
- Allows web-based remote operations and sample analysis
Lisa Muma Weitz Center for Microscopy & Cell Imaging

• Has widespread application in basic and translational interdisciplinary research in neonatology, pediatrics and perinatology

• Would allow cutting-edge neonatology-related research in the following areas:
  – Birth defects
  – Hereditary diseases
  – Cardiovascular abnormalities
  – Neurological abnormalities
  – Respiratory abnormalities, etc.
Lisa Muma Weitz
Center for Microscopy & Cell Imaging
Partial Equipment Inventory
Transmission Electron Microscopy (TEM)

State-of-the-art equipment for the high-resolution study of cells, subcellular organelles and material elements

Example: Extremely useful tool to study vascular morphology and associated abnormalities in Persistent Fetal Circulation Syndrome which results in persistent pulmonary hypertension and hypoxia in neonates
Scanning Electron Microscopy (SEM)

State-of-the-art equipment for the 3D, high-resolution study of cell surfaces, fractured cells and non-biologicals,

Example: Very useful tool to study the effective delivery of aerosolized nanoparticles for the treatment of refractory asthma in children
Confocal Microscopy (CM)

State-of-the-art equipment for reconstruction of 3D images and visualization of molecules in live organs, cells and tissue sections.

Besides studying tissue sections, CM permits the non invasive imaging of organs in live animals, including brain (see neuron above).

This technology provides a new imaging paradigm with great potential in the study of neural disorders.
Laser Capture Microscopy (LCM)

State-of-the-art equipment for isolating tissue structures cells and cell components for biochemical and molecular analyses.

Example: Single cell analysis of respiratory cells in patients with Cystic Fibrosis
Stereology

Stereologer
State-of-the-art equipment for obtaining 3D information (length, area, surface, volume) from measurements made on 2D tissue sections.

Among other applications, stereology has allowed the demonstration of increased numbers of neurons (right panels) as a potential mechanism for the abnormal development of the neural system in autism.
Automated Immunostainer

Dako Immunostainer
State-of-art equipment for high-throughput identification of cell markers and antigens.

A ubiquitous tool for cutting-edge basic and translational research
Automated Tissue Arrayer

State-of-the-art equipment for rapid and accurate construction of high-density tissue arrays containing the equivalent of up to 120 sections in one single glass slide. This allows the evaluation of the diagnostic accuracy of a given antigen (e.g., surfactant) in multiple patients on a single slide.
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Equipment Timeline – Scenario I

2007

1. February-March 2007 Equipment to be ordered:
   - Transmission Electron Microscopy (TEM)
   - Scanning Electron Microscopy (SEM)
   - Confocal Microscopy (CM)
   - Laser Capture Microscopy (LCM)
   - Stereologer
   - Automated Immunostainer

2. February-October, 2007
   Order of Equipment/Installation/Renovation

   Inauguration Date
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Equipment Timeline – Scenario II*

2007-08

1. **September-October 2007** Equipment to be ordered:
   - Transmission Electron Microscopy (TEM)
   - Scanning Electron Microscopy (SEM)
   - Confocal Microscopy (CM)
   - Laser Capture Microscopy (LCM)
   - Stereologer
   - Automated Immunostainer

2. **March-June, 2008**
   - Order of Equipment/Installation/Renovation

3. **July, 2008**
   - Inauguration Date

*If USF is not allowed by the State to use existing funds to initiate this process until September, 2007*
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Facility Manager Search Timeline – Scenario I

2007

1. March, 2007 - Review Applications
2. March-April, 2007 - Interview
4. Fall, 2007 - Position Starts
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Facility Manager Search Timeline – Scenario II*

2007-08

1. September-October, 2007 Review Applications
2. October-November, 2007 Interview
4. April-May, 2008 Position Starts

*If USF is not allowed by the State to use existing funds to initiate this process until September, 2007