

**ASTM Scaffolds Workshop**  
**Tuesday, May 21, 2013, 9:00 am to 5:30 pm**  
**Indianapolis, IN (JW Marriott Indianapolis)**  
**Committees F04.04 & F04.42**

**Title:** Standards and Measurements for Tissue Engineering Scaffolds: What Do We Have & What Do We Need?

**Organizing Committee:** Carl Simon (NIST), Michael Yaszemski (Mayo Clinic), Anthony Ratcliffe (Synthasome), Paul Tomlins (European Standards Consultant), Reto Luginbuehl (RMS), John Tesk (Consultant)

**Link:** <http://www.astm.org/F04Wrshhp0513.htm>

**Part 1: Introduction (Carl Simon, NIST)**

- 9:00 Jack Parr (Chairman ASTM Committee F04): Welcome & opening comments  
9:05 Carl Simon (NIST): Goals of the workshop  
9:10 Byron Hayes (Gore): Intro to ASTM documents (Classifications, Specifications, Test Methods, Practices, Guides, Terminology) and existing documents for scaffolds  
9:25 Reto Luginbuehl (Robert Mathys Foundation): Guides to characterization methods for scaffolds  
9:40 Questions

**9:45 Break**

**Part 2: Needs Revealed by Clinical Research Experience (Ryan Roeder, Notre Dame)**

- 10:15 Michael Yaszemski (Mayo Clinic)  
10:30 Tony Ratcliff (Synthasome)  
10:45 David Kaplan (FDA)  
11:00 Discussion: Gregory Brown (Park Nicollet Health Services)

**Part 3: Hydrogels (Paul Tomlins, Consultant)**

- 11:15 Michael Dornish (FMC BioPolymer)  
11:30 Kurt Kasper (Rice Univ.)  
11:45 Discussion: Michael Dornish (FMC Biopolymer)

**12:00 Lunch**

**Part 4: Solid Scaffolds (Stephanie Norris, Atex Technologies)**

- 1:00 Barbara Boyan (VCU)  
1:15 Jed Johnson (Nanofiber Solutions)  
1:30 Wing Lau (3D-Biotek)  
1:45 Kurt Sly (Exactech)  
2:00 Discussion Leader: Barbara Boyan (Ga Tech)

**2:15 Posters-on-Laptop Session** (this is an opportunity for non-speakers to present abstracts on their personal laptops to small groups of attendees at tables)

- #1 - Sherry L. Voytik-Harbin (Purdue)
- #2 - Mrignayani Kotecha (U Illinois at Chicago)
- #3 - Sanjukta Guha Thakurta (U Nebraska-Lincoln)
- #4 - David Hoelzle (Notre Dame)
- #5 - Masood Machingal (Vanderbilt)

**2:45 Break**

**Part 5: Natural Scaffolds & Characterization (Eugene Smit, Stellenbosch Nanofiber Company)**

- 3:15 Michael Hiles (Cook Biotech)  
3:30 Ted Wakatsuki (InVivoSciences)  
4:00 Paul Tomlins (Consultant)  
4:15 Joy Dunkers (NIST)  
4:30 Carl Simon (NIST)  
4:45 Discussion Leader: Jayesh Doshi (Espin Technologies)

**Part 6: Conclusion**

- 5:00 Carl Simon: Final discussion  
5:15 Warren Haggard (F04.04 Chair): Closing remarks