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](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 Ratcliffe (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 Hoelzl (Notre Dame)
   • #5 - Masood Machingal (Vanderbilt)
   • #6 - Stefani Biechler (Bose)

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