



2015 SFB Annual Meeting Highlights

Anthony Atala, MD to Deliver Keynote Address



Anthony Atala, MD, is the Director of the Wake Forest Institute for Regenerative Medicine, and the W.H. Boyce Professor and Chair of the Department of Urology at Wake Forest University. Dr. Atala is a practicing surgeon and a researcher in the area of regenerative medicine. His current work focuses on

growing new human cells, tissues and organs. Dr. Atala works with several journals and serves in various roles, including Editor-in-Chief of *Stem Cells-Translational Medicine*, *Current Stem Cell Research and Therapy*, and *Therapeutic Advances in Urology*; Associate Editor of *Tissue Engineering and Regenerative Medicine*, *The Journal of Rejuvenation Research*, and *Gene Therapy and Regulation*; Executive Board Member or Section Editor of the *International Journal of Artificial Organs*, *Organogenesis* and *Current Urology Reports*; and Editorial Board member of *Expert Opinion on Biological Therapy*, *Biomedical Materials*, *Journal of Tissue Science and Engineering*, *3D Printing and Additive Manufacturing*, *Technology*, the *Journal of Urology*, *Recent Patents on Regenerative Medicine*, *BioMed Central-Urology*, *Urology* and *Current Transplantation Reports*.

Dr. Atala is a recipient of many awards, including the U.S. Congress-funded Christopher Columbus Foundation Award, bestowed on a living American who is currently working on a discovery that will significantly affect society; the World Technology Award in Health and Medicine, presented to individuals achieving significant and lasting progress; the Samuel D. Gross Prize, awarded every 5 years to a national leading surgical researcher by the Philadelphia

Academy of Surgery; the Barringer Medal from the American Association of Genitourinary Surgeons for distinguished accomplishments; the Gold Cystoscope award from the American Urological Association for advances in the field; the Ramon Guiteras Award for pioneering research in regenerative medicine and outstanding contributions as a scholar and teacher; the Innovation Award from the Society of Manufacturing Engineers for the creation of synthetic organs; and the Rocovich Gold Medal, awarded to a distinguished scientist who has made a major impact on science toward the understanding of human disease. In 2011, he was elected to the Institute of Medicine of the National Academy of Sciences. Dr. Atala was elected to the Royal Academy for the Encouragement of the Arts in 2012 and to the National Academy of Inventors as a Charter Fellow in 2013. Dr. Atala's team received the Edison Science/Medical Award in 2013.

Dr. Atala's work has been described in the lay press. In 2003, he was named by *Scientific American* as a Medical Treatments Leader of the Year for his contributions to the fields of cell, tissue and organ regeneration. Dr. Atala's work was listed as *Time Magazine's* top 10 medical breakthroughs of the year and as *Discover Magazine's* Number 1 Top Science Story of the Year in the field of medicine in 2007. In 2009, Dr. Atala was featured in *U.S. News & World Report* as one of 14 Pioneers of Medical Progress in the 21st Century, and his work in 2010 was listed by *Smithsonian Magazine* as one of 40 things to know about the next 40 years. Dr. Atala's work was listed in the *Huffington Post* as one of 18 great ideas of 2011, in *Time Magazine* as one of the top 5 medical breakthroughs of the year in 2011, by the American Association of Retired Persons as one of the 50 influential people who will make life better in 2012 and by *Time Magazine* as one of 5 discoveries that will change the future of organ transplants in 2013.



**Charlotte, NC
April 15-18, 2015**



Driving Biomaterial Innovation and THE RACE TO TRANSLATION

Dr. Atala has led or served several national professional and government committees, including the National Institutes of Health working group on Cells and Developmental Biology, the National Institutes of Health Bioengineering Consortium and the National Cancer Institute's Advisory Board. Dr. Atala heads a team of over 300 physicians and researchers. Over 10 applications of technologies developed in Dr. Atala's laboratory have been used clinically. He is the editor of 12 books, including Essentials of Stem Cell Biology, Principles of Regenerative Medicine, Foundations of Regenerative Medicine, Methods of Tissue Engineering and Minimally Invasive Urology. He has published more than 400 journal articles and has applied for or received over 200 national and international patents.

JBMRB: VIRTUAL ISSUE

The SFB Dental/Craniofacial SIG is pleased to announce the Journal of Biomedical Materials Research Part B Virtual Issue: Featured Topics in Dental/Craniofacial Implants and Bone Regeneration (<http://tinyurl.com/k5onyqj>). This virtual issue features highlighted articles published over the past 3 years in the topic areas of;

- A] dental implant surface modifications/coatings,
- B] evaluation of dental implant osseointegration phenomena and assessment methods from both animal models and human retrievals,
- C] implant soft tissue interfaces and bacterial infection/contamination and
- D] craniofacial bone grafting strategies and materials including use of stem cells.

This Virtual Issue is developed in part to coincide with topics being presented in the special symposium "Nanobiomaterial and Drug-Delivery Strategies for Dental/Craniofacial Repair/Regeneration" and the general sessions sponsored by the Dental/Craniofacial SIG at the 2015 Annual Meeting and Exposition of the Society For Biomaterials. This Virtual Issue was edited by Joel D. Bumgardner PhD, University of Memphis, Delphine Dean PhD, Clemson University, F. Kurtis Kasper PhD, University of Texas Health Science Center at Houston, and Sachin Mamidwar MBBS, MS, Orthogen Corporation.

