

International Conference on Significant Advances in Biomedical Engineering

Date & Venue: April 27-29, 2015 in Philadelphia, USA

(Theme: Advancing Research and Upcoming Technologies in Biomedical Engineering)

About the Conference

Biomedical-2015 welcomes attendees, presenters, and exhibitors from all over the world to Philadelphia, USA. We are delighted to invite you all to attend and register for the “**International Conference on Significant Advances in Biomedical Engineering (Biomedical-2015)**” which is going to be held during April 27-29, 2015 in Philadelphia, USA.

The organizing committee is gearing up for an exciting and informative conference program including plenary lectures, symposia, workshops on a variety of topics, poster presentations and various programs for participants from all over the world. We invite you to join us at the **Biomedical-2015**, where you will be sure to have a meaningful experience with scholars from around the world. All members of the Biomedical-2015 organizing committee look forward to meeting you in Valencia, Spain.

For more details please visit- <http://biomedical.conferenceseries.com/>

Importance & Scope

Biomedical engineering include artificial organs, automated patient monitoring, blood chemistry sensors, advanced therapeutic and surgical devices, applications of systems and artificial intelligence and clinical decision making for computer-based systems for diagnosing diseases.

To understand mechanisms, efficiencies & physical changes of various subsystems of the body.

To obtain qualitative & quantitative knowledge through different instruments which can help for analysis of disorders, and further the Biomechanics of the cure process.

Why Philadelphia?

Philadelphia is the largest city in the Commonwealth of Pennsylvania, the second largest city on the East Coast of the United States, and the fifth-most-populous city in the United States. It is located in the Northeastern United States along the Delaware and Schuylkill rivers, and it is the only consolidated city-county in Pennsylvania. Philadelphia is the economic and cultural Centre of the Delaware Valley, home to over 6 million people and the country's sixth-largest metropolitan area. Popular nicknames for Philadelphia are Philly and The City of Brotherly Love.

Philadelphia has the second-largest student concentration on the East Coast, with over 120,000 college and university students enrolled within the city and nearly 300,000 in the metropolitan area. There are over 80 colleges, universities, trade, and specialty schools in the Philadelphia region. The city contains three major research universities: the University of Pennsylvania, Drexel University, and Temple University; and the city is home to five schools of medicine: Drexel University College of Medicine, Philadelphia College of Osteopathic Medicine, Temple University School of Medicine, Thomas Jefferson University, and the University of Pennsylvania.

Conference Highlights

- Clinical and Diagnostic Biomedical Devices
- Biomedical Robotics

- Computational Biological Systems for Modeling Biological Processes
- Biosensors and Bioelectronics
- Rehabilitation Engineering and Surgical Devices
- Tissue Engineering and Neuro Engineering
- Nano materials and Nanotechnology
- Biomedical Devices and Instruments
- Research on Biomedical Imaging and Bio signals
- Diagnostic Techniques in Dermatology and Cosmetic Dermatology

Why to attend???

Biomedical-2015 with members from around the world focused on learning about various biomedical aspects. Conduct demonstrations, distribute information, meet with current and potential customers, make a splash with a new product line, and receive name recognition at this 3-day event. World-renowned speakers, the most recent techniques, and the new updates in biomedical field are hallmarks of this conference.

A Unique Opportunity for Advertisers and Sponsors at this International event:

<http://biomedical.conferenceseries.com/sponsors.php>

Major Biomedical Associations around the Globe

- Arizona – Arizona Biomedical Association (ABA)
- Arkansas – Arkansas Association for Healthcare Engineering (AAHE)
- California – California Medical Instrumentation Association (CMIA)
- Michigan – Michigan Medical Device Association (MMDA)
- Nebraska / Iowa – Heartland Biomedical Association (Nebraska / Iowa)
- New Jersey – New Jersey Association of Clinical Engineering Specialists (NJACES)
- North Carolina – North Carolina Biomedical Association (NCBA)
- North Central Biomedical Association

Major Biomedical Societies in Philadelphia

- Philadelphia Area Medical Instrumentation Association (PAMIA)
- Mid-Eastern Pennsylvania Clinical Instrumentation Society (MEPCIS)
- American College of Clinical Engineering (ACCE)
- Hospital and Health system Association of Pennsylvania
- Mid-Eastern Pennsylvania Clinical Instrumentation Society

Major Biomedical Societies in World

- Alberta Clinical Engineering Society (ACES)
- American Society for Healthcare Engineering (ASHE)
- Arizona Biomedical Association (ABA)
- Arkansas Association for Healthcare Engineering (AAHE)
- California Medical Instrumentation Association (CMIA)

Major Biomedical Societies in USA

- Middle Tennessee Bio Medical Association (MTBMA)
- The East Tennessee Biomedical Association (ETBA)
- Biomedical Engineering Society of Texas (BEST)
- North Texas Biomedical Association (NTBA)
- South East Texas Clinical Engineering Society (SETCES)

Target Audience

- Directors of companies
- Scientists
- Doctors
- Students
- Managers & Business Intelligence Experts
- Research students and Research Institutes
- Advertising and Promotion Agency Executives

Top Universities in USA

- Harvard University
- Yale University (YU)
- Massachusetts Institute of Technology (MIT)
- Columbia University in the City of New York (CU)
- Stanford University (SU)
- California Institute of Technology
- Northwestern University
- Duke University (DU)
- Washington University in St Louis (WUSTL)
- Rice University
- University of Pennsylvania
- Brown University
- Dartmouth College
- Vanderbilt University (VU)
- Cornell University (CU)
- Johns Hopkins University (JHU)
- University of Virginia (UVA)

Companies Associated with Biomedical Engineering

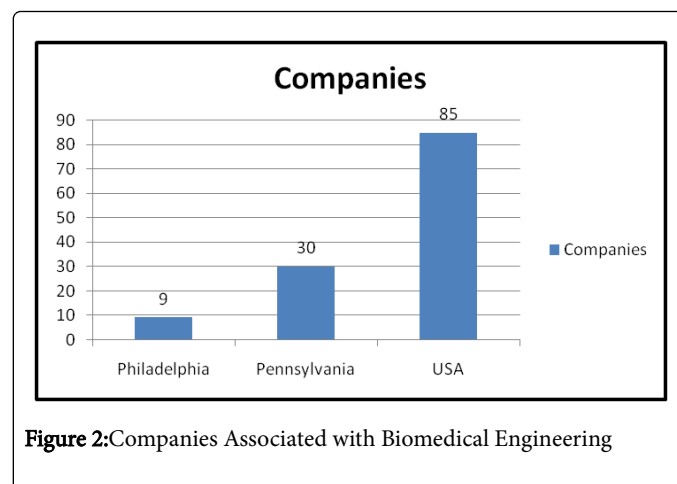


Figure 2: Companies Associated with Biomedical Engineering

Source: Reference 2

Biomedical Engineering Expected market Analysis

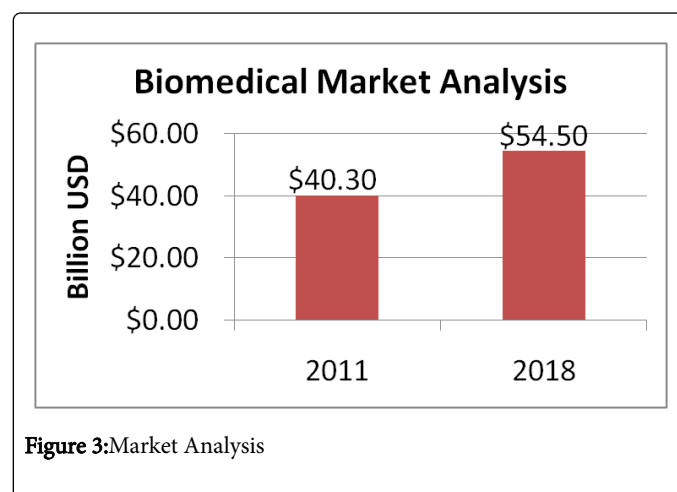


Figure 3: Market Analysis

Source: Reference 3

Market of Biomedical Engineering

The IVD market, which includes laboratory tests and hand-held devices to detect and diagnose different conditions, is the single largest sub-sector of medical devices, with 2011 sales of \$40.3 billion nationwide. That figure is expected to grow to \$54.5 billion by 2018, according to a new study by Evaluate Pharma, a life sciences market research firm with offices in London and Boston.

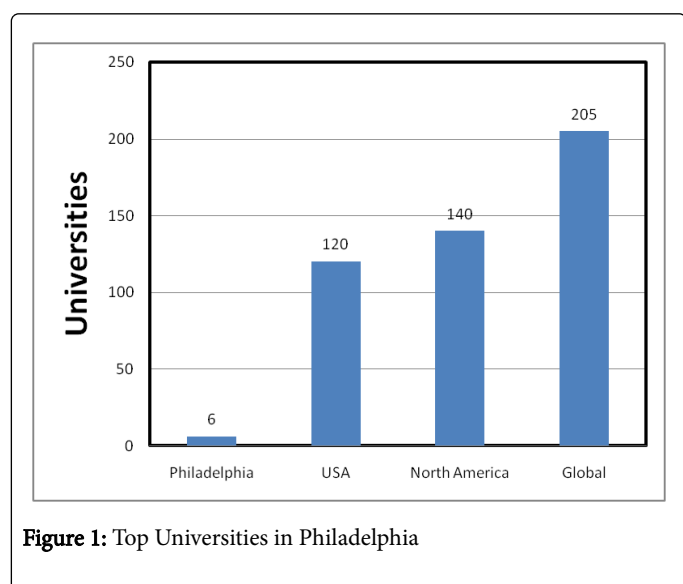
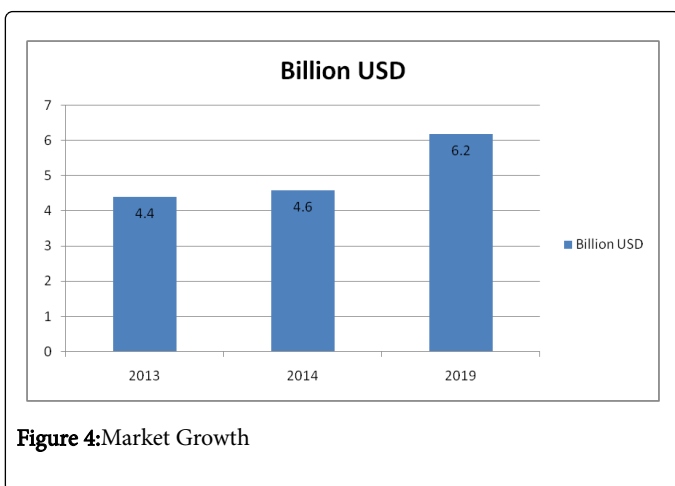


Figure 1: Top Universities in Philadelphia

Source: Reference 1



Source: Reference 4

The global market for medical aesthetic devices reached \$4.4 billion in 2013 and increasing to \$4.6 billion in 2014. This market should

reach nearly \$6.2 billion in 2019, demonstrating a compound annual growth rate (CAGR) of 5.8% from 2014 to 2019.

An updated analysis from the US Bureau of Labor Statistics employment in biomedical engineering is projected to see the fastest job growth of about 72% through 2018.

The field is growing. By checking out the department of labor and industries growth rate for Biomedical Engineering is 72% over the next 10 years.

References:

1. <http://aegedu.com/blog/us-usa-universities-ms-masters-biomedical-engineering/>
2. <http://www.bizjournals.com/boston/print-edition/2012/10/05/nova-biomedical-taps-diabetes-market.html?page=all>
3. http://www.sec.gov/Archives/edgar/data/711404/000071140413000012/coo_20131031-10k.htm
4. <http://www.bccresearch.com/market-research/healthcare/medical-aesthetic-devices-report-hlc056b.html>