

Gilbert, Arizona will become a net importer of bio and life science jobs within the next 20 years.

By capitalizing on the community's existing research and development activity, workforce, collaboration efforts, and already established bio and life science influencers, Gilbert will be recognized as one of the regional and national leaders within this advancing industry sector.

Recent years have seen an influx of world-class facilities, talent, innovations and public-private partnerships that mark Gilbert as a preferred environment for the industry, with particular focus emerging in the areas of oncology, regenerative medicine and cardiovascular science as a result of key anchor institutions within the community.

Within the past two years alone, Gilbert, Arizona has grown into a regional leader in life science research and treatments for cancer and for research and therapies utilizing adult stem cells. The community is conveniently located between two airports with commuting **accessibility to 100,000+ healthcare practitioners and technicians.**

In addition to stem cell, cardiovascular and oncology sciences and research, Gilbert is also gaining notoriety in other fields such as biotechnology, medical devices and equipment, and pharmaceuticals/nutraceuticals.

#### **Gilbert-Based Investment**

**Banner MD Anderson Cancer Center:** Banner Health, one of the country's largest nonprofit hospital systems, has joined internationally renowned cancer treatment and research organization, MD Anderson, offering the broadest extension of MD Anderson's cancer care program outside Houston, Texas.

Banner MD Anderson Cancer Center provides care for all types of cancers with a primary focus in breast, lung, gynecologic, gastrointestinal, prostate, and skin cancers, as well as liquid tumors such as lymphoma and leukemia.

They are currently in Phase 2 (111,000-square-foot) of the expansion to their existing 133,000-square-foot facility and already have plans in place for a Phase 3 expansion.

**Celebration Stem Cell Centre:** Registered with the FDA in 2010, Celebration is designed to process and store umbilical cord blood for potential use in patient transplant and regenerative medicine.

Primary services include the processing and banking of private umbilical cord blood, a public cord blood donation bank, and adult stem cell processing. The Stem Cell Centre also offers genetic counseling, bone marrow match testing, and a registry that will be available to the public and medical community.

**Translational Research Institute (TRI):** Celebration Stem Cell Centre recently doubled the size of its facility in Gilbert to house the Translational Research Institute. Seen as the next key component in the advancement of cellular technologies and stem cell therapy in the United States, TRI is a private company formed to develop innovative treatments for cardiovascular disease through breakthrough cellular technologies and medical devices.

TRI will fund clinical research projects and establish strategic partnerships with world-leading scientists and principal investigators in stem cell transplant therapies and regenerative medicine.

**Cardiovascular & Stem Cell Consultants (CSCC):** Focused on evidenced-based cardiovascular care, CSCC provides patients access to the newest investigational treatments for advanced cardiovascular disease such as adult stem cells and gene therapy.

Dr. Nabil Dib, MD, MSc, FACC has been conducting research and developing the newest investigational treatments for advanced cardiovascular disease for more than 10 years. He is internationally known for his research with stem cell therapy and led the first clinical trial in the U.S. for stem cell transplantation for patients with severe heart failure.

CSCC is currently enrolling in Phase I, II and III research studies using adult stem cells, angiogenesis (growing new blood vessels) and genomics in patients with heart failure, chronic chest pain, coronary artery disease and heart attacks.

### Additional Gilbert Assets

- Over 2 million-square-feet of state-of-the-art hospital and clinical research facilities including: Banner M.D. Anderson Cancer Center; the Ironwood Cancer Research Center; Mercy Gilbert Medical Center; Banner Gateway Medical Center; and Gilbert Hospital.
- Approximately **300 acres of Gilbert commercial real estate earmarked for healthcare** facilities and services.
- **Proximity to over 800 science and technology firms** provides potential for collaborative partnerships.

### Regional Assets

Further collaboration efforts exist with not only Gilbert-based anchors, but also with other regional assets:

- Arizona Biodesign Institute at Arizona State University
- AZBio
- Barrow Neurological Institute
- BioAccel
- Critical Path Institute
- Flinn Foundation
- International Genomics Consortium
- Science Foundation Arizona
- Translational Genomics Research Institute (TGen)

### Workforce

- Gilbert offers immediate access to a **workforce of 1 million individuals** within a 30 minute commute
- **100,000 healthcare practitioners and technicians** located within a 30-minute commute to the community, a number representing 71 percent of the Phoenix metropolitan area's total life sciences workforce
- **36 percent** of Gilbert residents holding a bachelor's degree or higher

### Educational Resources

- Arizona State University College of Nursing & Health Innovation
- Arizona State University College of Technology & Innovation
- A.T. Still University
- Chandler-Gilbert Community College
- Pima Medical Institute
- The Bryman School

Beyond the secondary education focus on bio medical and life sciences, **Gilbert's Campo Verde High School offers one of the state's only K-12 biomedical programs that prepare high school students for higher education degrees focused on biotechnology and life science-related jobs.** This program specifically addresses workforce needs through a concentrated science and math curriculum.

### State & Regional Influence

NIH grant funding to Arizona institutions, including universities and research organizations, **grew faster (25%) than the top-10 funded states** and the overall US.

From 2002 - 2010, **bioscience jobs increased by 41%** in Arizona, adding nearly 28,000 jobs for a total of 96,223. The research, testing and medical-labs subsector remains the largest in Arizona and has expanded fastest growing 49%.

**Biomedical jobs are growing three times faster in Arizona than the national average**

