

FROST & SULLIVAN

Top 50 Emerging Technologies & Growth Opportunities



Multi-billion Dollar Technologies Transforming the
Global Economy and Our Future

DELIVERING ACTIONABLE INTELLIGENCE



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Executive Board Member
and Senior Partner



TechVision's annual Top 50 Emerging Technologies research delivers cutting-edge insights about the 50 most valuable and disruptive technologies poised to impact the world in the next 18 months. The Top 50 technologies were selected from a pool of 3,000 using a proprietary methodology based on several criteria including industry adoption rates, IP activity, funding, and market potential and scored the highest on our global technology innovation index. These hot technologies pack maximum potential to fuel global innovation, spawn innovative products, and drive commercial growth. This comprehensive research offers strategic guidance and actionable ideas to executives in innovation-focused organizations.

While each of the top 50 technologies represents an area of intensified research & development, top-tier investments, and tremendous market potential, the possible convergence of several of these technologies opens up unprecedented opportunities for new revenue models and the next generation of innovative products and solutions.

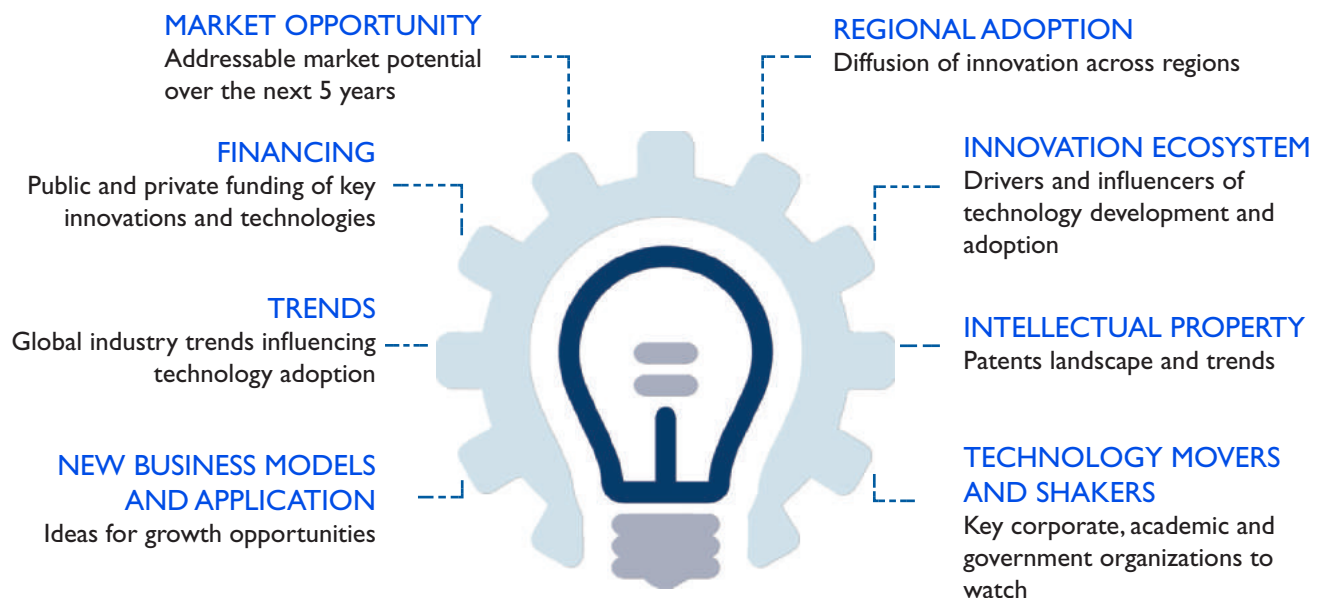


The Top 50 Technologies interactive research content is available through the [iFrost](#) platform.

THE TOP 50 TECHNOLOGIES DRIVING GLOBAL INNOVATION AND COMMERCIAL GROWTH

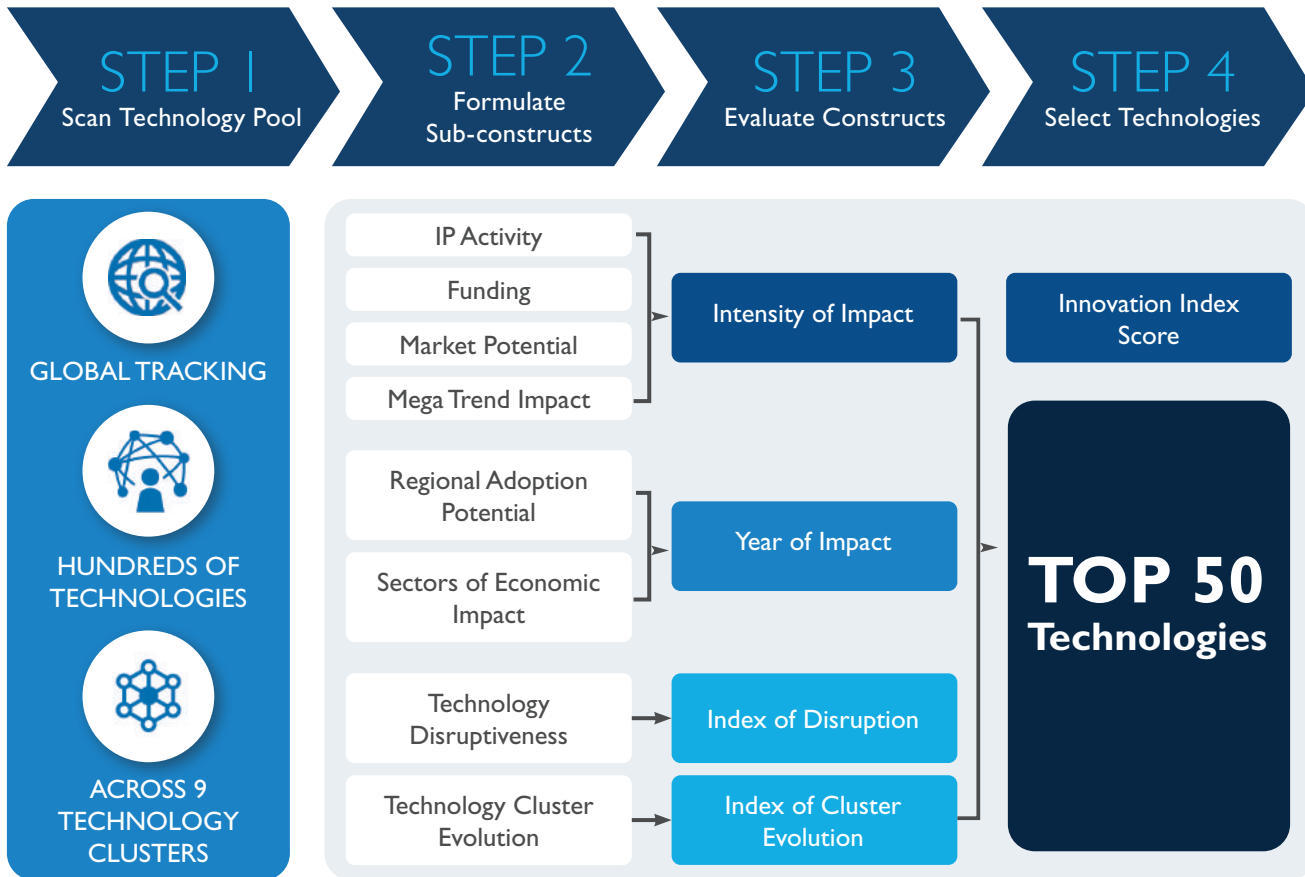


KEY COVERAGE COMPONENTS

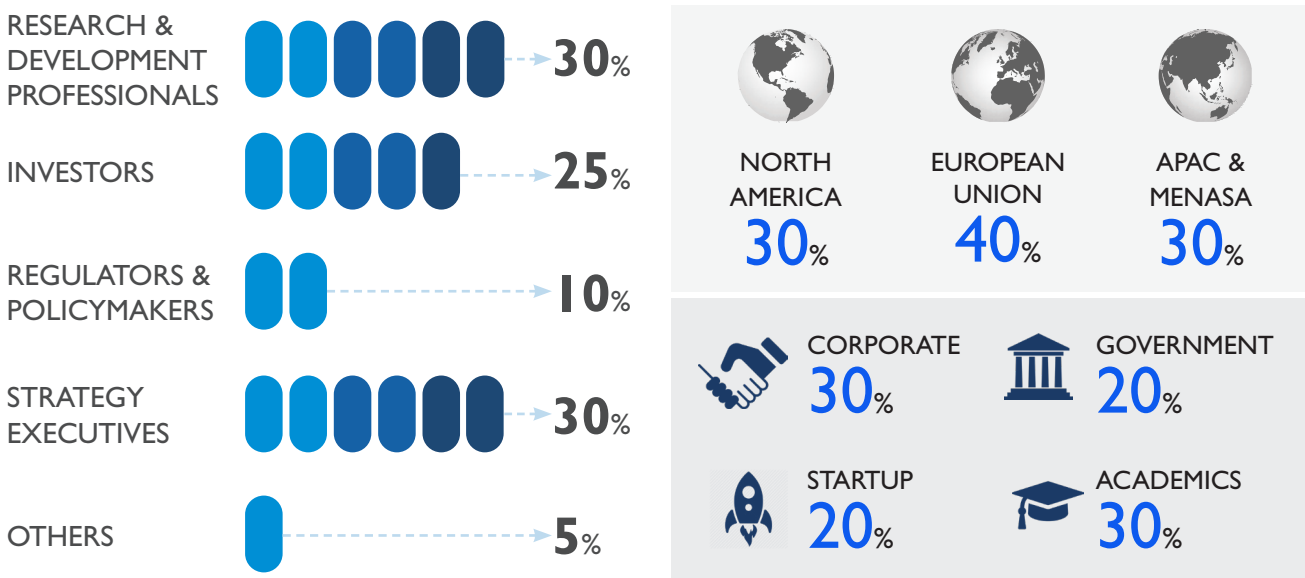


STRATEGIC APPROACH

A proprietary selection methodology focused on evaluating innovations across 9 technology clusters



USER BASE OF TOP 50 TECHNOLOGIES RESEARCH





CLIENT TESTIMONIALS



“The Top 50 report and the convergence workshop were very helpful for our team to consider emerging technologies for our Research & Development roadmap. We cover various technology areas and the report coverage across the 9 Technology Clusters is very useful.”

**- Research Head,
Premier Research Agency in Taiwan**



“We leveraged the TechVision workshop as an input to our long-term technology vision exercise and found it an excellent source of thought-provoking insights.”

**- Group Technology Leader,
Global Tier I Oil & Gas Company**



“Frost & Sullivan’s team did excellent work on 3D printing landscape analysis through the workshop, helping us put in place strategic next steps to assess future impact across our products segments.”

**- Head of Global Technology Sourcing,
a British Multinational Consumer
Goods Company**



“We used the Top 50 Tech methodology to scout for potential technologies that are relevant for our business divisions. This helped us to scan for opportunities for business expansion. The turnaround time was quick and the output very useful.”

**- Vice President, Corporate Strategy at a
Japanese Conglomerate**

EXCERPTS FROM TOP 50 TECHNOLOGIES RESEARCH

Increasing Synergy Amongst Pharma and Microbiome-Focused Product Developers

Alignment with Global Megatrends

Health, Wellness, and Well-Being

- Targeted therapies for gastrointestinal, inflammatory, and skin based disorders
- Non-therapeutics solutions that have a robust science and unique mechanism of action for providing relief to chronic disorders.

New Business Models

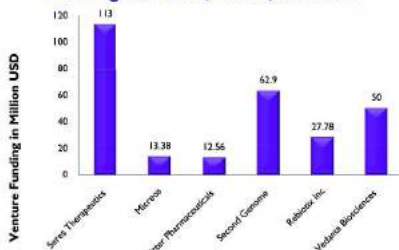
- Diversification into a new category of products catering to chronic lifestyle disorders that require an alternative treatment of action.

Social Impact – Creation of jobs, social benefits

- Some conditions cause severe social awkwardness, especially skin-based disorders. This could revolutionize quality of life on a daily basis for non-serious ailments such as acne and eczema.



Key Recent Venture Funding for Tumor Profiling Platforms, Global, 2015-2016



- As a recent and important field, new microbiome-derived drugs and therapies will come to the market during next years. In this regard, in the very beginning of 2017 there are rising expectations with several investments around the microbiome industry.
- Investment round of 113 million in Seres Health, a clinical-stage therapeutics company based in the US and focused on discovering and developing drugs to treat microbiome-related diseases. Seres' first clinical program is about the treatment of *Clostridium difficile* infection, one of the most important causes of infectious diarrhea.

Skincare, GI, and Immunity are Key Consumer Benefit Areas for Microbiome-Focused Products

Application Diversity: Consumer Benefit Areas for Therapeutics/OTC



Skincare

There are diverse product offerings across the skincare sector, some of which include products such as cleansers, moisturizers, serums, and face washes



Heart Health

Supplements are the predominant product types for enhancing heart health.



Gastrointestinal (GI) and Immunity

There are several product offerings for enhanced GI and immunological health. Microbiome science is likely to play a larger role in GI health products in the near future.



Joint Health

Supplements are at the top of OTC product segment for enhancing joint health and US is currently the most promising market in this space.

Probiotics are likely to be the top growing products across the global microbiome-enabled health and hygiene markets. Investments in this space are likely to have a steady market growth in the near future.

Application Diversity: Diagnostics/Services



Metabolic Health

Companies in UK and France offer diagnostics, services, and research solutions across several metabolic indications.



Urogenital Health

There are several diagnostic product offerings across the genitourinary segment and US has the largest product offerings in this space.



GI & Immunological Health

There are several diagnostic, service and screening platforms that are available for GI diseases such as inflammatory bowel disease (IBD) and Crohn's disease.



Heart Health

The US has several proteomics-based products for cardiovascular diagnostic applications

For an expert-driven thought leadership briefing, contact us



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To find out more about this research

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